From: Cravedi, Kathleen (NIH/NLM) [E]
Sent: 1 Jan 2019 10:47:29 +0000
To: Nurik, Jody (NIH/OD) [E];Middleton, Grace
Cc: Cravedi, Kathleen (NIH/NLM) [E]
Subject: FW: SIS Sunset Requests - CPDB
Attachments: FORM REQUEST to sunset CPDBrev.docx

FYI

From: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>
Date: Monday, December 31, 2018 at 2:29 PM
To: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Cc: "Cravedi, Kathleen (NIH/NLM) [E]" <cravedik@mail.nlm.nih.gov>, "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>
Subject: RE: SIS Sunset Requests - CPDB

Jerry,

Please see the updated sunset request form for CPDB (Carcinogneic Potency Database). We provided a brief description of the resource. The usage has been dropping to 0.007% of total TOXNET usage. We don't think NCI would be interested in the resource since the methodology is very outdated. It was never supported by NCI. We do plan to make the archived file available on the NLM FTP server.

Let me know if you have more questions. I will sign the form once you review the updated version. Thanks!

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, December 12, 2018 11:37 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Cravedi, Kathleen (NIH/NLM) [E] <cravedik@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: FW: SIS Sunset Requests - CPDB

Florance,
Looking at your fourth sunset submission. . .

- Can you provide a brief description of the resource
- Can you provide some data about usage, and perhaps how its' dropped off over time
- Do we know if NCI has any interest in this resource?
- Is there any value in making it available on an NLM ftp site so that the information is still available somewhere, even if not updated.

Thanks

Jerry

From: Cravedi, Kathleen (NIH/NLM) [E]
Sent: Friday, November 30, 2018 10:30 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Four SIS Sunset Requests

For your review and approval. Please let me know your thoughts. Kathy

This document is made available through the declassification efforts
and research of John Greenewald, Jr., creator of:

The Black Vault

The Black Vault is the largest online Freedom of Information Act (FOIA) document clearinghouse in the world. The research efforts here are responsible for the declassification of hundreds of thousands of pages released by the U.S. Government & Military.

Discover the Truth at: **http://www.theblackvault.com**

REQUEST TO RETIRE CARCINOGENIC POTENCY DATABASE (CPDB)

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☒ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☒ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☐ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☒ Other (Please explain) The Carcinogenic Potency Database (CPDB) is an archival database with low and decreasing usage. It provides historical information from the years 1980 - 2011. It is no longer updated. It was created at the University of California, Berkeley, and when they no longer wanted to maintain access to it after it was no longer being built, they asked us to take it. CPDB reports analyses of animal cancer tests on 1547 chemicals. CPDB includes 6540 chronic, long-term animal cancer tests, both positive and negative for carcinogenicity, from the general published literature as well as the National Cancer Institute and the National Toxicology Program (NTP). Such tests were used in support of cancer risk assessments for humans. CPDB was developed by the Carcinogenic Potency Project at the University of California, Berkeley and the Lawrence Berkeley National Laboratory. The usage of CPDB has consistently dropped over the past years to 0.007% of TOXNET usage in 2018.

II. **Approval.** This form must be signed by:

- **NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD)** HFC 11/27/2018

X

Hua Florence Chang
Acting Associate Director, SIS

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  - NLM Director Initial Here Date
  - NLM Deputy Director Initial Here Date
  - NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Staff are aware of the plan. Additional groups include NNCO, NNLM, and toxicology community via our listserv.
2. Determine questions that may need to be addressed. These may include:
   - What information needs to be provided? That the CPDB was a resource taken from the University of Berkeley after they stopped supporting it and wanted an archival home for a few years.
   - When will the information be provided? 5/31/2019
   - By what method(s) will information be provided? Example: Email to all NLM staff Post on database web pages, and send to OCPL for distribution.)
   - If multiple messages are to be sent, by what method(s) and with what frequency? One round
   - Are there any potential areas for misunderstanding or concern? none
3. Establish what may need to be communicated to internal audiences. This could include:
   - Why is this program or service being retired? The way it was created at Berkeley does not lend itself to conversion to Bookshelf resource where some TOXNET databases are going. It has not been updated for many years.)
   - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) The content per se will not be available, but the literature it draws from still exists. The content will be in made available in compressed files on the NLM FTP site.
   - What will happen to the staff working on the product or service? No staff resources used now
   - What staff will be involved in this transition? Florence Chang, Phil Thomas
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
   - ☒ Emails
   - ☒ Signage
   - ☒ Information delivered at staff meetings
   - ☐ Point of discussion at brown bag luncheons
   - ☐ Town Hall meetings, etc.
   - ☒ Other (Explain) listserv
5. Develop and attach a set of Talking Points for the NLM Director Resource was a labor intense one developed by Berkeley staff and when it was terminated

we were asked to house the file. Given the move of TOXNET databases to NCBI, this resource is not in a format that can be converted to run there.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☐ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? Cannot be converted to new format for TOXNET move to NCBI.
   - What content, if any, will still be available and, if so, why and where? None other than journal literature on which it is based is still available.
   - What will happen to the staff working on the product or service? No staff work on this other than routine IT deployment /support issues .

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? Cannot be converted to new format for TOXNET move to NCBI.) Will be taken down from TOXNET end May 2019
   - What content, if any, will still be available and, if so, why and where? None other than journal literature on which it is based is still available. The archived content will be made available in compressed format on NLM FTP server.
   - What will happen to the staff working on the product or service? No staff
   - How can I or how can my group be involved in this transition? Enter possible support option(s)

3. Identify what needs to be completed:

   ☐ Deliverables Specify

   ☒ Responsible party or parties for the sunsetting process TOXNET IT

   ☒ Due date 5/31/20195/31/2019

   Identification of communication channels. These could include (Check all that apply):

   ☒ emails to stakeholders and users

   ☐ signage

   ☒ NLM homepage (public news announcement)

   ☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
    - What information will be provided? Sunset of CPDB
    - When will the information be provided? Starting after approval
    - With what frequency? Enter frequency
    - Are there potential areas for misunderstanding or concern? no
    - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? Not available in its current format. The archived content will be made available in compressed format on NLM FTP server.
    - How will NLM respond to questions and comments? Email via customer service system
    - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Jeanne GosohornJeanne Gosohorn
Jeanne.goshorn@nih.hhs.govJeanne.goshorn@nih.hhs.gov

From: Cravedi, Kathleen (NIH/NLM) [E]
Sent: 1 Jan 2019 10:48:49 +0000
To: Nurik, Jody (NIH/OD) [E];Middleton, Grace
Subject: FW: ToxLearn - Sunset Request
Attachments: HakkinenToxTutorWebinarNovember2018Final.pdf, ToxLearn_FORM REQUEST TO RETIRE NLM RESOURCE_rev.docx

FYI

From: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>
Date: Monday, December 31, 2018 at 2:25 PM
To: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Cc: "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>, "Cravedi, Kathleen (NIH/NLM) [E]" <cravedik@mail.nlm.nih.gov>
Subject: RE: ToxLearn - Sunset Request

Jerry,

We contacted SOT project lead for ToxLearn. She indicated that SOT would like to host the archived version of ToxLearn on their website. We plan to send them the archived files.

Here are the usage metrics for ToxLearn and Tox Tutor for the past 6 months. As you can see the ToxLearn usage is significantly lower than that of ToxTutor.

ToxTutor – usage for the past 6 months

Users 64,983
New Users 64,252
Sessions 91,941
Number of Sessions per User 1.41
Pageviews 325,499
Pages / Session 3.54

ToxLearn – usage for the past 6 months

Users 5,487
New Users 5,441
Sessions 6,861
Number of Sessions per User 1.25
Pageviews 11,110
Pages / Session 1.62

Attached is the updated sunset request form with your comments incorporated. Also attached is an overview slide deck for Tox Tutor. I will sign the sunset form once you review it. Thanks!

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, December 12, 2018 9:53 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Cravedi, Kathleen (NIH/NLM) [E] <cravedik@mail.nlm.nih.gov>
Subject: ToxLearn - Sunset Request

Florence,
I am on board with the plan to retire ToxLearn, but have a few questions and suggestions that need to be reflected in the form, with an eye toward shaping our future communications:

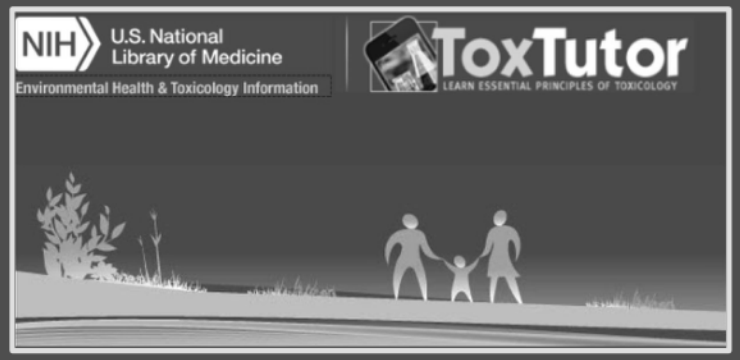
- Throughout, I would rephrase the main reason for retiring the research to say that ToxLearn has been supplanted by ToxTutor. The fact that some modules were never complete and it uses old technology are part of the explanation for why it's been supplanted.
- The ToxLearn site indicates that it is a joint project of NLM and SOT. We need to make sure to inform SOT well in advance – maybe we've already done so.
- The ToxLearn site also indicates the ability to get certification for completing modules. If SOT still uses the site for certification, we need to work out with them
- Does SOT have any interest in archiving the content?
- Can you provide information on the number of users of ToxLearn? Is anyone still using it, or have we already transitioned people to ToxTutor?

Thanks,
Jerry

From: Cravedi, Kathleen (NIH/NLM) [E]
Sent: Friday, November 30, 2018 10:30 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Four SIS Sunset Requests

For your review and approval. Please let me know your thoughts. Kathy

ToxTutor Update



Webinar for NNLM

Pertti (Bert) J. Hakkinen, Ph.D., F-SRA

Senior Toxicologist & Toxicology and Environmental Health Science Advisor

Specialized Information Services

National Library of Medicine, National Institutes of Health

November 9, 2018

Disclaimer

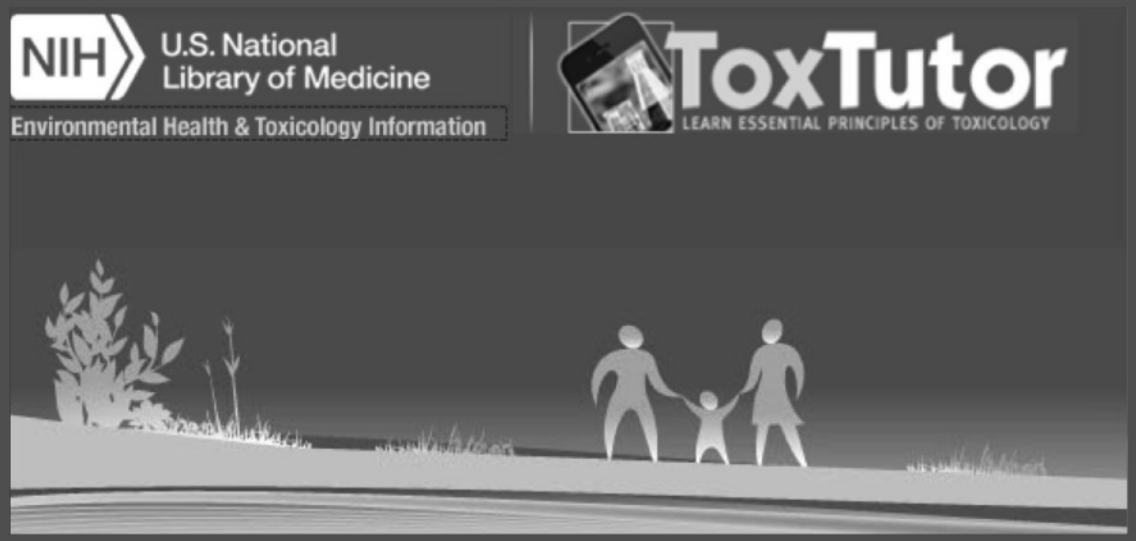
The views and opinions are those of the presenter and should not be attributed to the National Library of Medicine (NLM) and/or the National Institutes of Health (NIH).

Please feel free to contact the presenter if you want him to review anything being written about this presentation.

Learning Objective

Overview of ToxTutor

The updated and enhanced ToxTutor



https://toxtutor.nlm.nih.gov/

If you want a quote: “These National Library of Medicine Tutorials now cover present-day toxicology and related topics”

Quick History and Overview

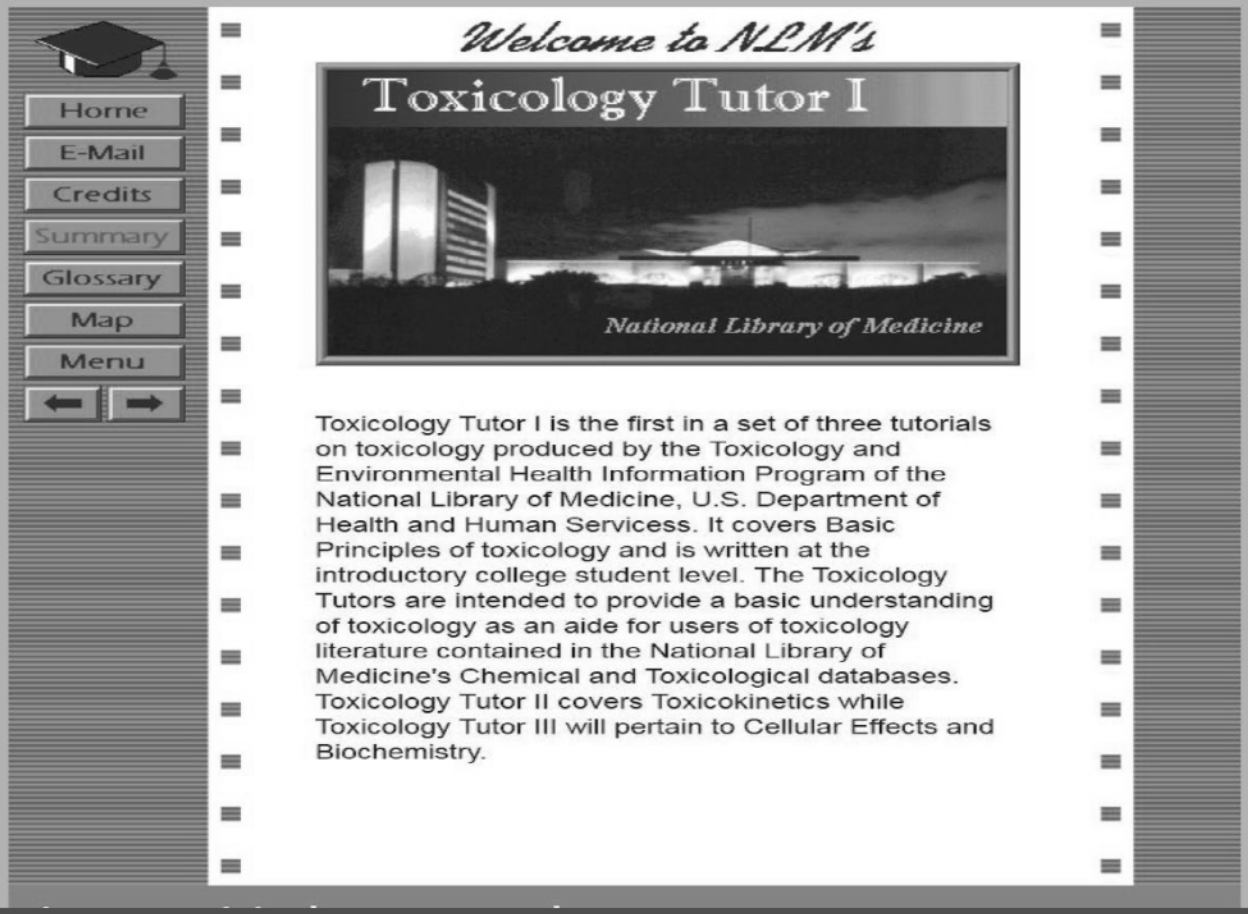
The Toxicology Tutorials (ToxTutor) were created in 1998 to help TOXNET users.

In 2016, after 18 years (!), the tutorials needed to be updated to align with current knowledge in toxicology and related areas.

We worked with subject matter experts and others to review the contents of the 1998 Toxicology Tutorials for areas to enhance and new topics to add.

We are continuing to enhance and add content.

The 1998 Version:
Do you remember this type of printer paper? ☺



The first version of the updated and enhanced ToxTutor was released in 2016.

The 2016 version included a large amount of new information on topics like:

- Alternatives to the use of animals in research and testing
- Routes of exposure, and
- Risk assessment

A Poster Presented in 2016:
"Bringing ToxTutor into the 21 Century"

TOXTUTOR: BRINGING THE NATIONAL LIBRARY OF MEDICINE TOXICOLOGY TUTORIALS INTO THE 21ST CENTURY

Pertti Hakkinen, PhD; Stephanie Publicker, MLS

Specialized Information Services, National Library of Medicine, National Institutes of Health

The (U.S.) National Library of Medicine (NLM) is the world's largest biomedical library, providing free resources to both professionals and consumers. NLM's Specialized Information Services Division (SIS) is responsible for information resources and services in toxicology, including clinical toxicology, and in environmental health, chemistry, and other topics. The TOXNET (TOXicology Data NETwork) suite of databases is one of these resources and includes the Hazardous Substance Data Bank (toxicology data), ChemIDplus (names, synonyms, and structures), LactMed (drugs and lactation database), and the Household Products Database (health and safety information on consumer products). People using TOXNET may have limited knowledge of the science behind some of the resources. The Toxicology Tutorials were created in 1998 to help TOXNET users comprehend what they are reading. The tutorials cover the basic toxic mechanisms in terms and concepts that are understandable to beginning college students. After 18 years the tutorials needed to be updated to align with current knowledge in toxicology and related areas. SIS staff worked with subject matter experts and others to review the contents of the 1998 Toxicology Tutorials for areas to enhance and new topics to add. The new (2016) version of the Toxicology Tutorials covers up-to-date information on clinical toxicology and other types of toxicology, routes of exposure, risk assessment, toxicity testing methods, and alternatives to the use of animals in research and testing. In addition, the new design lets users access the tutorials where, when, and how they want to have access, whether via desktop, smartphone, or tablet. Material on toxicokinetics and cellular toxicology will be added in 2017. ToxTutor can be found at https://toxtutor.nlm.nih.gov.

Before and After

New Content

The new web site incorporates accessibility techniques, making the tutorials usable by a broader number of people.

In addition, the new design for the tutorials lets users access them via smartphone, tablet, or desktop.

Content on toxicokinetics, basic physiology, and cellular toxicology was added in late 2017.

Additional new content was added in mid-2018.

Welcome to ToxTutor

Introduction

ToxTutor is a self-paced tutorial covering key principles of toxicology for users of the National Library of Medicine (NLM) chemical and toxicology databases. While a knowledge of anatomy and physiology is not required for viewing ToxTutor, the **Introduction to the Human Body** from the National Cancer Institute provides a good introduction to the topic.

What's New in ToxTutor?
August 2018 Release

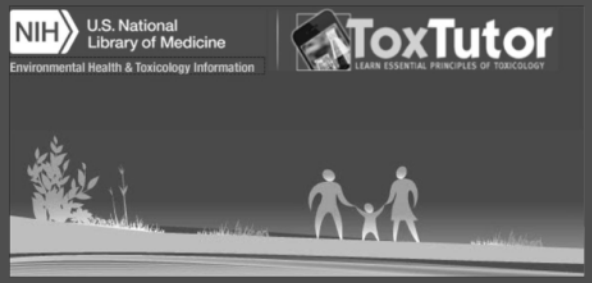
Continuing Education / Certificate of Completion

This course is approved for 3 contact hours for California Regist
Environmental Health Association's (NEHA) REHS/RSs. To take
tutorial through our free learning management system.

Topics Covered in this Course

ToxTutor is divided into the following sections:

1. Introduction to Toxicology
2. Dose and Dose Response
3. Toxic Effects
4. Interactions
5. Toxicity Testing Methods
6. Risk Assessment
7. Exposure Standards and Guidelines
8. Basic Physiology
9. Introduction to Toxicokinetics
10. Absorption
11. Distribution
12. Biotransformation
13. Excretion
14. Cellular Toxicology
15. Intuitive Toxicology and Risk Communication
16. Environmental Toxicology, Environmental Health, and One Health
17. Conclusion



As announced within ToxTutor

What's New in ToxTutor (August 2018 release)?

In Section 3 (Toxic Effects):

- Added the new topic of "The Microbiome" after the Metabolism content

In Section 5 (Toxicity Testing Methods):

- Did a change in the title of the "Future Approaches and Methods" to "Emerging Approaches and Methods."
- Added additional content in "Finding Information about Alternatives to Animal Testing."
- Added Microphysiological Systems as used in "tissue chip" and "Organs-on-chips" models.
- Added "Human-on-a-Chip" content.
- Added Induced Pluripotent Stem Cells (iPSCs) as an emerging approach.
- Added the topic of combining "chips" and iPSCs.

In Section 6 (Risk Assessment):

- Added more content on Adverse Outcome Pathways (AOPs).
- Added the new topic of "What to Consider when Reading about a New Exposure Study."

In Section 7 (Exposure Standards and Guidelines):

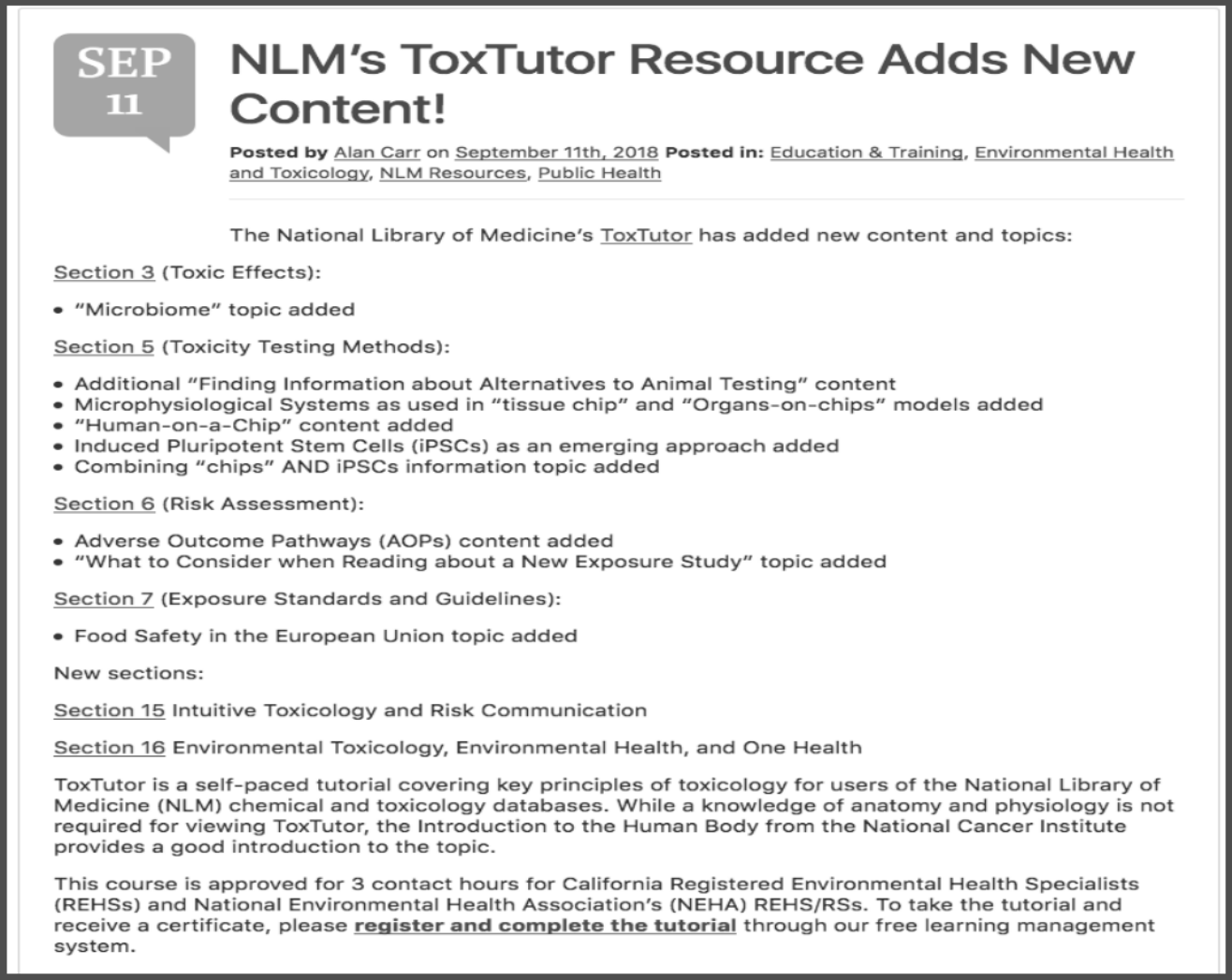
- Added the new topic of Food Safety in the European Union.

Added a new section on Intuitive Toxicology, and Risk Communication (including content on Uncertainty).

Added a new Section on Environmental Toxicology (with the examples of Microplastics and the Health of Bees as global issues), Environmental Health, and One Health.

As announced via NLM and NNLM

Thanks!



SEP 11

NLM's ToxTutor Resource Adds New Content!

Posted by Alan Carr on September 11th, 2018 **Posted in:** Education & Training, Environmental Health and Toxicology, NLM Resources, Public Health

The National Library of Medicine's ToxTutor has added new content and topics:

Section 3 (Toxic Effects):

- "Microbiome" topic added

Section 5 (Toxicity Testing Methods):

- Additional "Finding Information about Alternatives to Animal Testing" content
- Microphysiological Systems as used in "tissue chip" and "Organs-on-chips" models added
- "Human-on-a-Chip" content added
- Induced Pluripotent Stem Cells (iPSCs) as an emerging approach added
- Combining "chips" AND iPSCs information topic added

Section 6 (Risk Assessment):

- Adverse Outcome Pathways (AOPs) content added
- "What to Consider when Reading about a New Exposure Study" topic added

Section 7 (Exposure Standards and Guidelines):

- Food Safety in the European Union topic added

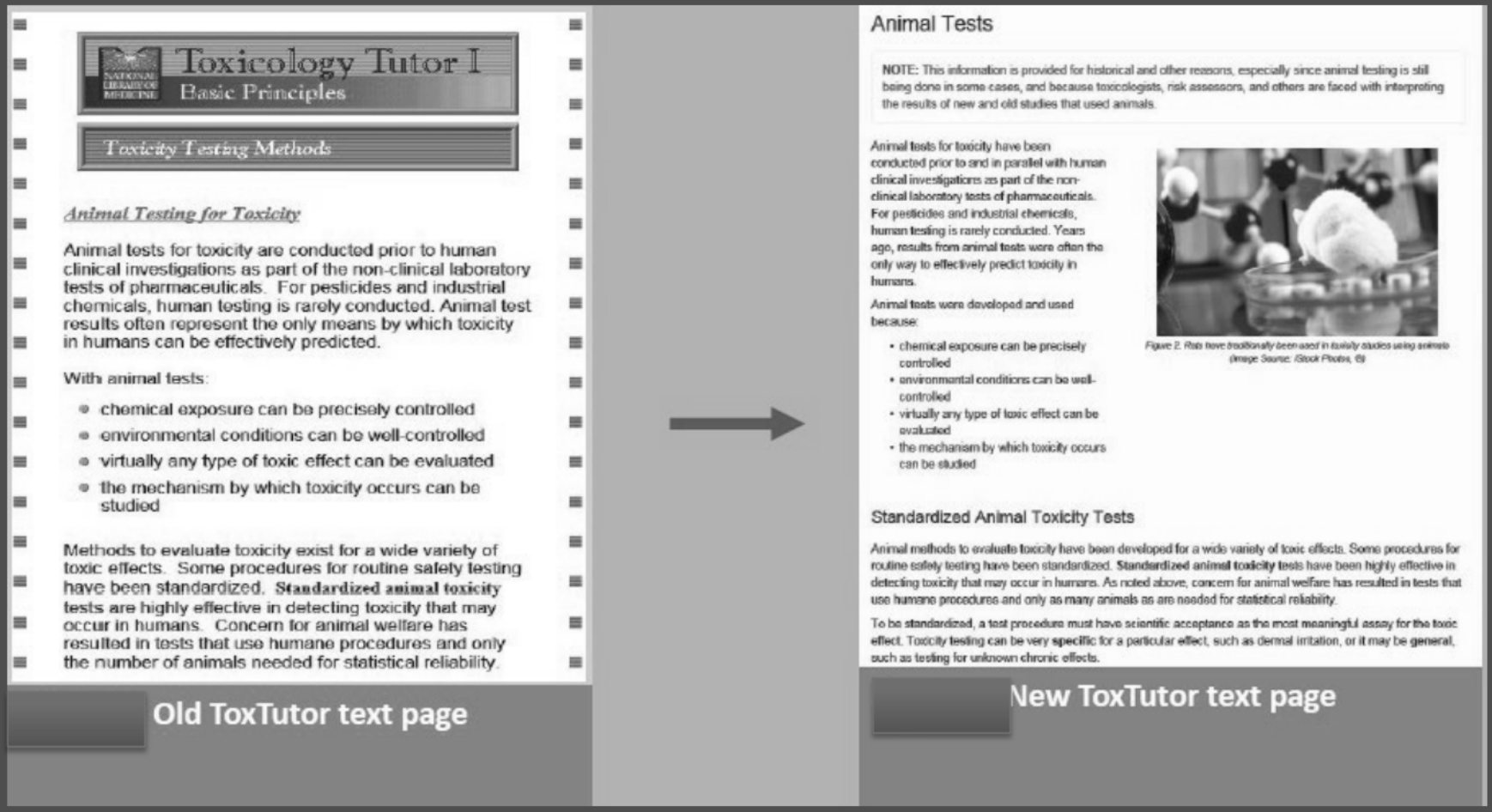
New sections:

Section 15 Intuitive Toxicology and Risk Communication

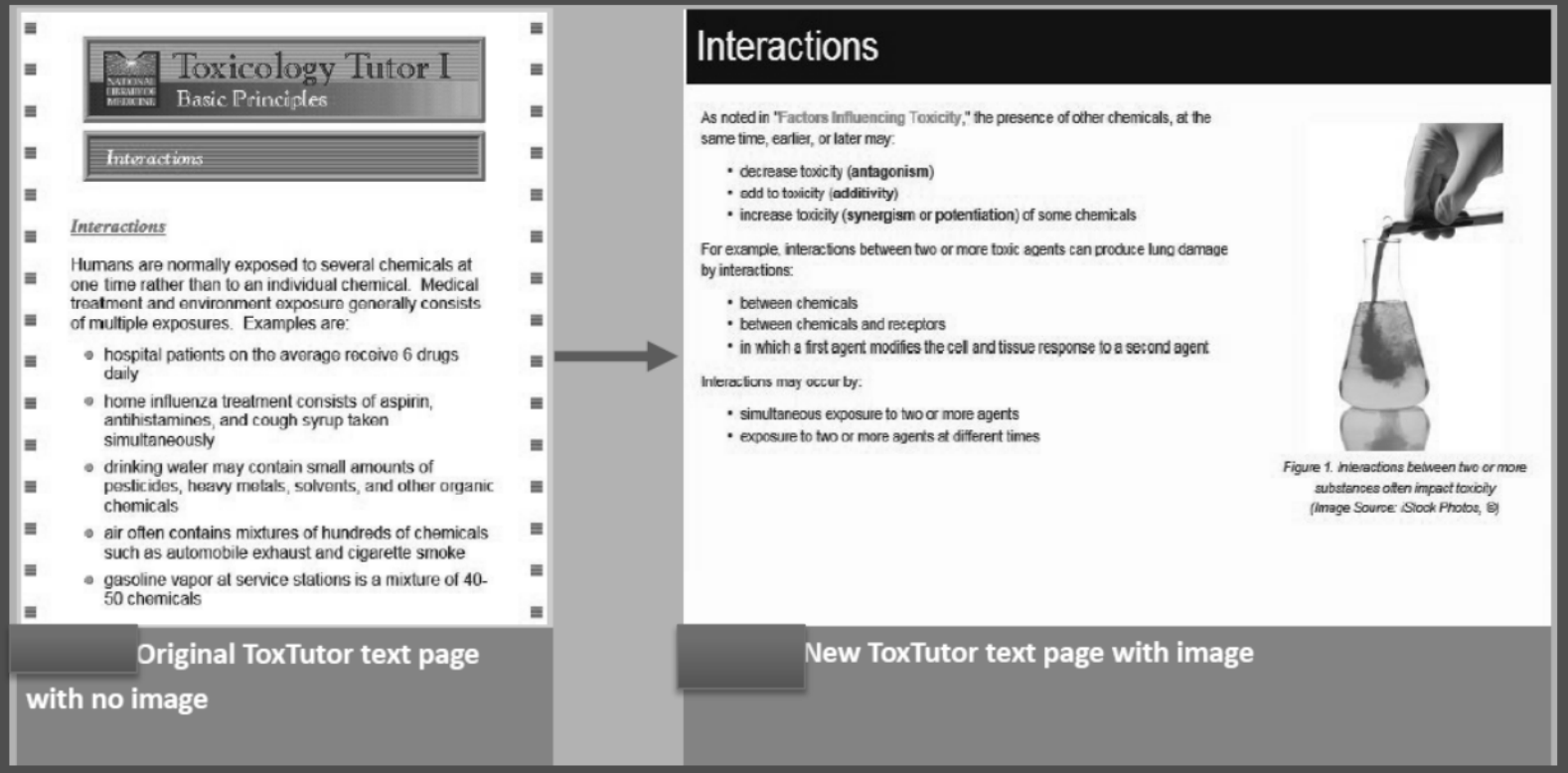
Section 16 Environmental Toxicology, Environmental Health, and One Health

ToxTutor is a self-paced tutorial covering key principles of toxicology for users of the National Library of Medicine (NLM) chemical and toxicology databases. While a knowledge of anatomy and physiology is not required for viewing ToxTutor, the Introduction to the Human Body from the National Cancer Institute provides a good introduction to the topic.

This course is approved for 3 contact hours for California Registered Environmental Health Specialists (REHSs) and National Environmental Health Association's (NEHA) REHS/RSs. To take the tutorial and receive a certificate, please **register and complete the tutorial** through our free learning management system.



Example of Updated and Enhanced Content



Examples of New Content and New Image

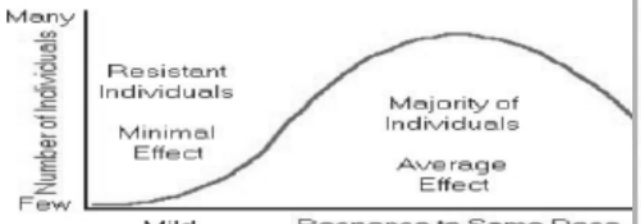
Examples of Old vs. New Animations

Dose Response

The dose-response relationship is a fundamental and essential concept in toxicology. It correlates exposures and the spectrum of induced effects. Generally, the higher the dose, the more severe the response. The dose-response relationship is based on observed data from experimental animal, human clinical, or cell studies.

Knowledge of the dose-response relationship:

- establishes causality that the chemical has in fact induced the observed effects
- establishes the lowest dose where an induced effect occurs - the threshold effect
- determines the rate at which injury bu
  slope for the dose response.



Original ToxTutor Animated Graph

Dose Response

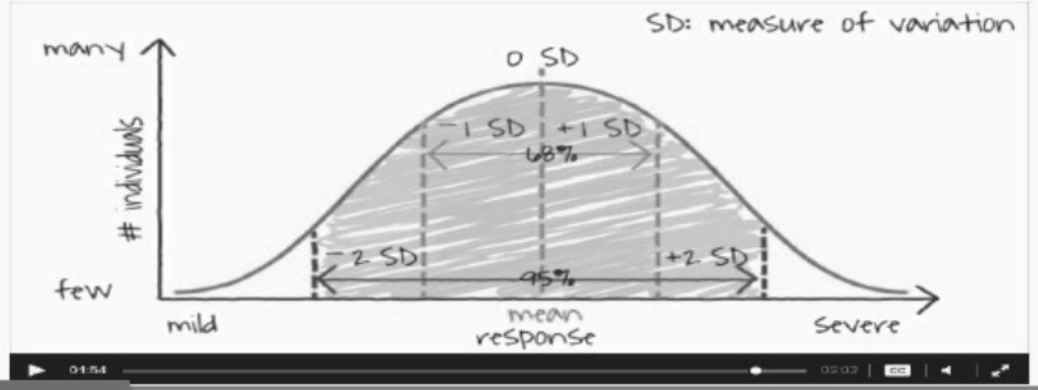
The dose-response relationship is an essential concept in toxicology. It correlates exposures with changes in body functions or health.

In general, the higher the dose, the more severe the response. The dose-response relationship is based on observed data from experimental animal, human clinical, or cell studies.

Knowledge of the dose-response relationship establishes:

- **causality** – that the chemical has induced the observed effects
- the **threshold effect** – the lowest dose where an induced effect occurs
- the **slope** for the dose response – the *rate* at which injury builds up

Within a population, the majority of responses to a toxicant are similar; however, there are differences in how responses may be encountered – some individuals are susceptible and others resistant. As demonstrated in Animation 1, a graph of the individual responses can be depicted as a bell-shaped standard distribution curve. There is a wide variance in responses as demonstrated by the mild reaction in resistant individuals, the typical response in the majority of individuals, and the severe reaction in sensitive individuals.



New ToxTutor Animated Graph

Example of New Content

On this page...

- Finding Information about Alternatives to Animal Testing
- Animal Tests
- Emerging Approaches and Methods

Testing for and Assessing Toxicity

Alternatives to animal testing have emerged in recent years.

Since about 1990, numerous attempts have been made around the world to reduce the use of and replace laboratory animals in toxicology and other studies. These efforts have involved finding alternatives to animal testing and incorporating the "3Rs" concept (Replace, Reduce and Refine), which means using test methods that:

- **Replace** the use of animals with other types of studies and approaches.
- **Reduce** the number of animals in studies.
- **Refine** the procedures to make studies less painful or stressful to the animals.

Regulatory authorities, companies, and others have endorsed the principle of the 3Rs, and alternative testing methods have
are being developed. An international group that has played a key role is the International Cooperation on Alternative Test M
(ICATM). Established in 2009, ICATM includes representatives of organizations from various countries.

Finding Information about Alternatives to Animal Testing

Many countries including the United States, Canada, and the European Union member states, require that a comprehensive
possible alternatives be completed before some or all research involving animals is begun. Because numerous Web resource
available to provide guidance and other information on *in vitro* and other alternatives to animal testing, completing such sear
keeping current with information associated with alternatives to animal testing is much easier than it used to be.

ALTBIB, from NLM

The NLM ALTBIB ("Resources for Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing") portal is a comprehensive starting point for finding information related to alternatives to animal testing. ALTBIB is available at http://toxnet.nlm.nih.gov/altbib.html.

It provides access to PubMed®/MEDLINE® citations relevant to alternatives to use of live vertebrates in biomedical research and testing.

ALTBIB's topics and subtopics are aligned with current approaches. For example, information is provided on *in silico*, *in vitro*, and improved (refined) animal testing methods and on testing strategies that incorporate these methods and other approaches.

Figure 1. NLM ALTBIB homepage

ALTBIB also provides access to news and additional resources, including information on the status of the evaluation and acc
alternative methods. Main categories include:

- Animal Alternatives News
- Additional Resources
- Evaluation/Acceptance of Test Methods

Links to Specific Resources (Sources Providing Animal Alternatives News, Key Organizations Providing Resources, and the Regulatory Acceptance of Specific Alternative Methods and Milestones in Non-animal Toxicity Testing)

Links to Specific Resources

Animal Alternatives News

- ICCVAM/NIEHS: Interagency Coordinating Committee for the Validation of Alternative Methods
- Altweb News: Johns Hopkins University (includes Frequently Asked Questions about Animal Testing Alternatives; Resources for Scientists, Researchers, and Technicians; Resources for Teachers and Students, from K-12 to University Level; and Other Resources)

Additional Resources

- AltTox.org - Non-animal Methods for Toxicity Testing
- Altweb - Alternatives to Animal Testing on the Web
- EURL ECVAM - European Reference Laboratory for Alternatives to Animal Testing, including the Database on Alternative Methods (DB-ALM)
- FRAME - Fund for the Replacement of Animals in Medical Experiments
- NTP Interagency Center for the Evaluation of Alternative Toxicological Methods (HHS/NIH/NIEHS)
- Center for Alternatives to Animal Testing (Johns Hopkins University)
- Alternatives and Searching the Literature for Animal Research Alternatives and Searching the Literature for Animal Research
- SOT *In Vitro* and Alternative Methods Specialty Section (Society of Toxicology)
- SOT Computational Toxicology Specialty Section (Society of Toxicology)

Evaluation/Acceptance of Test Methods

- Alternative Methods Accepted by U.S. Agencies
- Table of Validated and Accepted Methods (AltTox.org)
- Milestones in Non-animal Toxicity Testing (AltTox.org)

https://toxtutor.nlm.nih.gov/05-001.html

Examples of New Content

Benchmark Dose Method

The **benchmark dose (BMD) method**, first proposed as an alternative in the 1980s, addresses many limitations of the NOAEL method. It is less dependent on dose selection and spacing and takes into account the shape of the dose-response curve (Figure 4). In addition, the estimation of a BMD 95% lower bound confidence limit (BMDL) results in a POD that appropriately accounts for study quality (i.e., sample size). With the availability of user-friendly BMD software programs, including the EPA's Benchmark Dose Software (BMDS), the BMD has become the method of choice for many health organizations worldwide.

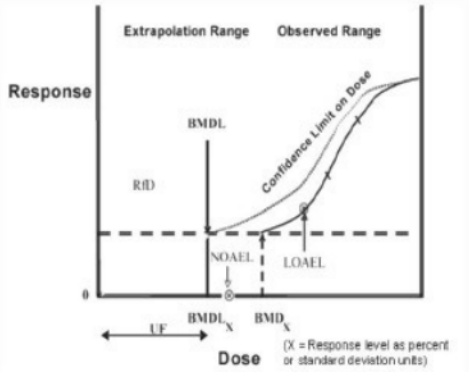


Figure 4. Extrapolated values using the benchmark dose method reflect the shape of a dose-response curve (Image Source: EPA)

New graph created to show Benchmark Dose Method

Figure 2. Exposure to a chemical used in furniture textiles (Image Source: Adapted from U.S. National Academy Press publication and iStock Photos, ©)

Example of complex images that were added to enhance comprehension

Examples of New Content

Future Approaches and Methods

In the future, there will likely be additional and refined *in vitro* methods, and the emergence of *in silico* and "chip" approaches.

Many current efforts are underway to refine, develop, and validate *in vitro* methods.

In Silico Methods

Also emerging are *in silico* methods, meaning "performed on computer or via computer simulation." This term was developed as an analogy to the Latin phrases *in vivo* and *in vitro*.

Advanced computer models called "Virtual Tissue Models" are being developed by the U.S. EPA's National Center for Computational Toxicology (NCCT). The EPA's Virtual Tissue Models are described as using "new computational methods to construct advanced computer models capable of simulating how chemicals may affect human development. Virtual tissue models are some of the most advanced methods being developed today. The models will help reduce dependence on animal study data and provide much faster chemical risk assessments" (source).

One example is the Virtual Embryo (v-Embryo™) research effort, aimed at developing prediction models to increase our understanding of how chemical exposure may affect unborn children. [illegible] new types of *in vitro*, *in vivo*, and *in silico* models that simulate critical steps in fetal [illegible] models simulate biological interactions observed during development and predict c[illegible] biological events in pathways that is believed to lead to adverse effects.

Figure 4. v-Embryo logo

New discussion of *In Silico* methods

Toxicology Testing in the 21st Century - A New Strategy

The High Throughput Screening (HTS) Initiative is part of the new toxicology testing strategy developed from the 2004 National Toxicology Program (NTP) Vision and Roadmap for the 21st Century.

Traditional toxicological testing is based largely on the use of laboratory animals. However, this approach suffers from low throughput, high cost, and difficulties inherent to inter-species extrapolation – making it of limited use in evaluating the very large number of chemicals with inadequate toxicological data.

NTP recognized that the dramatic technological advances in molecular biology and computer science offered an opportunity to use *in vitro* biochemical- and cell-based assays and non-rodent animal models for toxicological testing. These assays allow for much higher throughput at a much reduced cost. In some assays, many thousands of chemicals can be tested simultaneously in days.

The goal is to move toxicology from a predominantly observational science at the level of disease-specific models to a predominantly predictive science focused upon broad inclusion of target-specific, mechanism-based, biological observations.

The High Throughput Screening program represents a new paradigm in toxicological testing. The HTS program approach to toxicological testing screens for mechanistic targets active within cellular pathways considered critical to adverse health effects such as carcinogenicity, reproductive and developmental toxicity, genotoxicity, neurotoxicity, and immunotoxicity in humans.

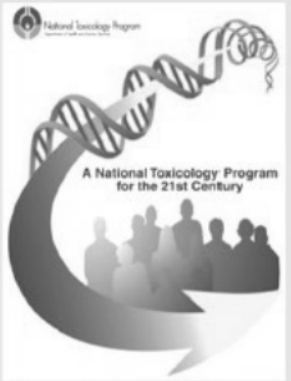


Figure 2. National Toxicology Program vision and roadmap (Image Source: National Toxicology Program)

Material added about current methods in toxicology texting

Examples of New Content

As described in the *Testing for, and Assessing Toxicity* section, the EPA is developing "Virtual Tissue Models" such as the Virtual Embryo (v-Embryo™). These types of advanced computer models are being designed to be capable of simulating how chemicals may affect human development and will help reduce dependence on animal study data. They will also provide faster ways of developing chemical risk assessments.

Finally, also noted in the *Testing for and Assessing Toxicity* section, emerging in the toxicologist's tool box are "chip" models (for example, an "organ on a chip"). One example is the "Lung-on-a-chip" that "...offers a new *in vitro* approach to drug screening by mimicking the complicated mechanical and biochemical behaviors of a human lung."

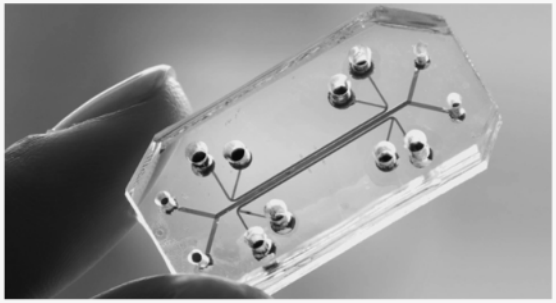


Figure 3. Lung-on-a-chip used to mimic pulmonary edema
(Image Source: The Wyss Institute for Biologically Inspired Engineering)

Did you know?

Bisphenol A (BPA) and **phthalates** are chemicals that have been widely found in consumer products. BPA has been used in some food can linings, polycarbonate food and beverage containers, tooth sealants applied to dentists, and even in cash register receipts! Examples of potential exposures to BPA include eating or drinking foods or liquids from those containers, and skin exposures from handing the cash register receipts. Workers involved in making products with BPA can be exposed during production.

Often called plasticizers, phthalates are used to make plastics more flexible. Some phthalates are used as solvents. They can be found in vinyl flooring and shower curtains, children's toys, personal care products, and as contaminants in the food supply. As with BPA, exposures can come from many sources.

Toxicologists and others are still assessing the full extent of the potential impacts on health. Studies suggest that BPA and phthalates affect the reproductive system, impacting how hormones such as estrogen and testosterone work in the body. The impact of fetal or early childhood exposures is still being assessed. Because of the ubiquity of the possible products containing these chemicals, thorough assessments of potential exposures, toxicities, and potential substitutes are essential.

Figure 4. Plastic food and beverage containers are common sources of BPA and phthalates in consumer products
(Image Source: iStock Photos, ©)

Added sidebar about current concerns in toxicology

Did you know?

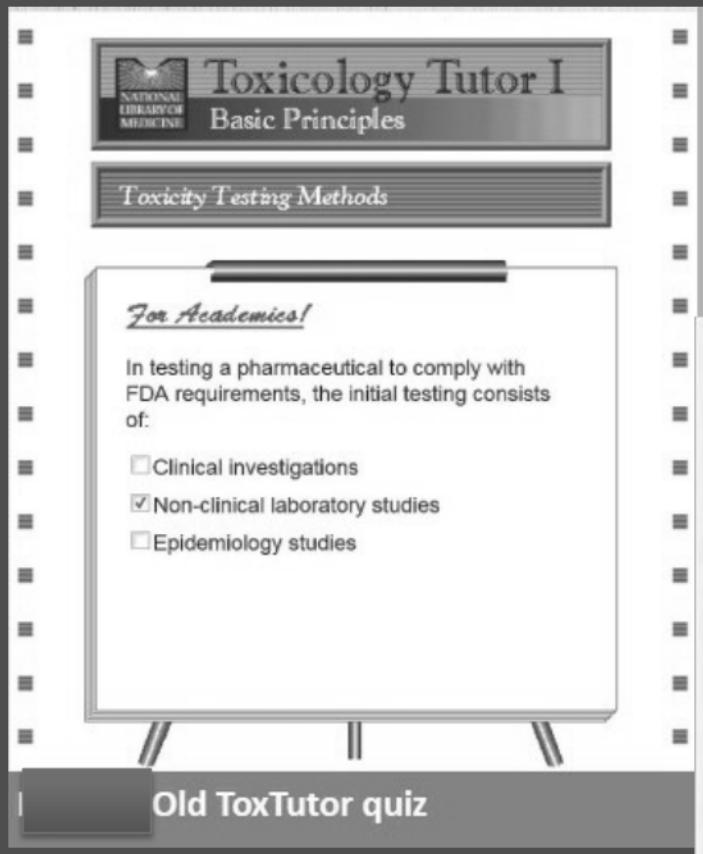
During the late 1950s the drug Thalidomide was used to control nausea and vomiting in pregnancy in Canada, Europe, Australia, and parts of Asia. After the drug came on the market, reports appeared of children born with missing limbs, with upper limbs usually more affected than lower limbs. In addition to damage to arms and legs, faces, eyes, ears, and genitalia, internal organs including the heart, kidney, and gastrointestinal tract were damaged.

Thalidomide did not reach the US market due to the efforts of an astute FDA drug reviewer, Dr. Frances Oldham Kelsey, who insisted that thalidomide be fully tested before approval. In response to the episode, the Kefauver Harris Amendment to the Federal Food, Drug, and Cosmetic Act became law in 1962. The amendment requires drug manufacturers to give proof of the effectiveness and safety of a drug before it can be approved.

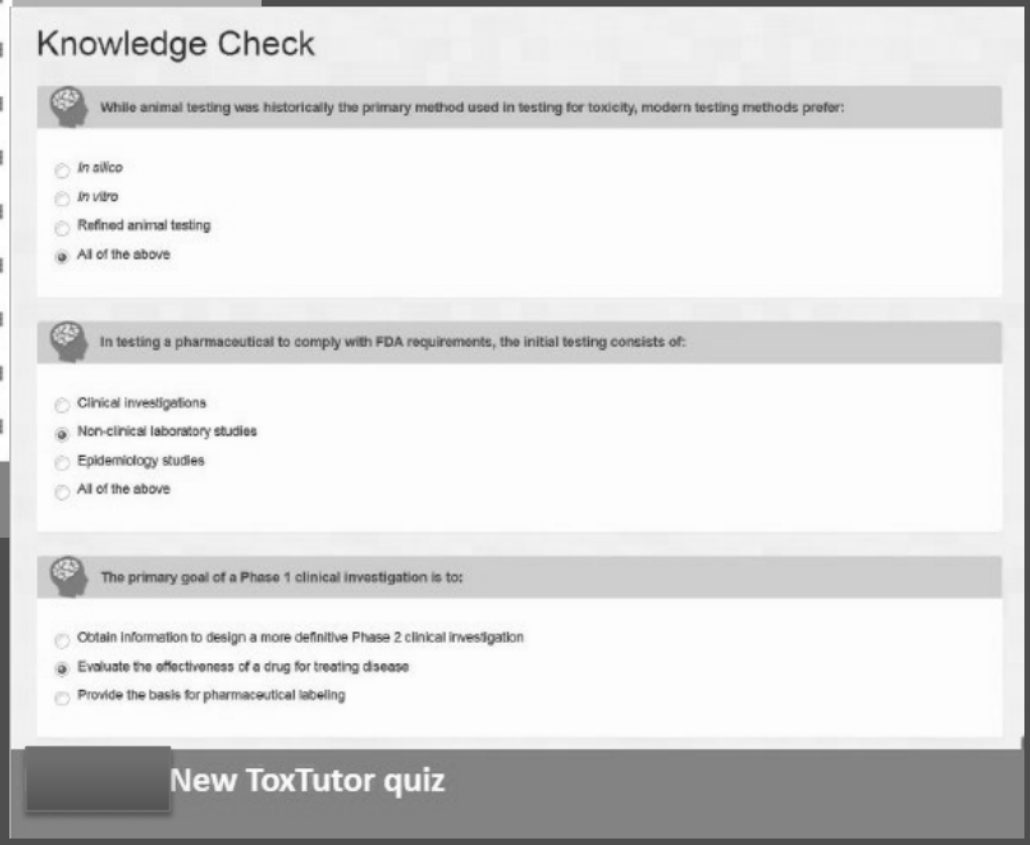
Thalidomide continues to be prescribed under strict supervision as a treatment for multiple myeloma, leprosy, certain complications of human immunodeficiency virus (HIV), and autoimmune disorders. In the 2000s, children with thalidomide-related birth defects were noted in Brazil due to the use of thalidomide to treat leprosy. Pregnant women were being exposed when family members took the drug.

Figure 3. Thalidomide
(Image Source: NLM Circulating Now)

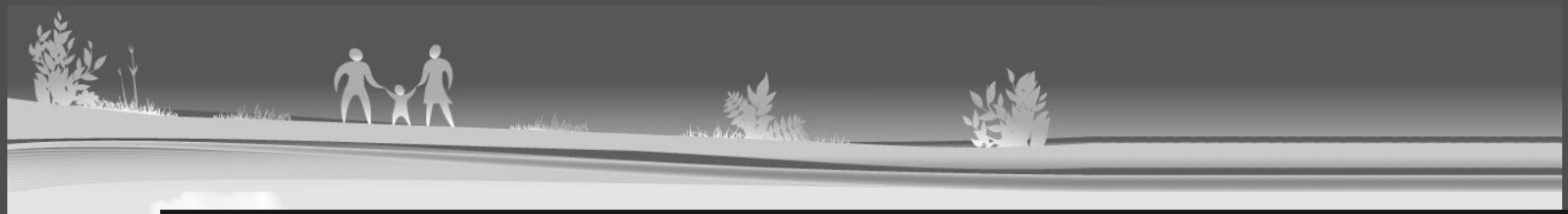
Examples of Old vs. New Quizzes



Old ToxTutor quiz



New ToxTutor quiz



Welcome to ToxTutor

Introduction

ToxTutor is a self-paced tutorial covering key principles of toxicology for users of the National Library of Medicine (NLM) chemical and toxicology databases. While a knowledge of anatomy and physiology is not required for viewing ToxTutor, the **Introduction to the Human Body** from the National Cancer Institute provides a good introduction to the topic.

What's New in ToxTutor?
August 2018 Release

Continuing Education / Certificate of Completion

This course is approved for 3 contact hours for California Registered Environmental Health Specialists (REHSs) and National Environmental Health Association's (NEHA) REHS/RSs. To take the tutorial and receive a certificate, please **register and complete the tutorial** through our free learning management system.

Topics Covered in this Course

ToxTutor is divided into the following sections:

1. Introduction to Toxicology
2. Dose and Dose Response
3. Toxic Effects
4. Interactions
5. Toxicity Testing Methods
6. Risk Assessment
7. Exposure Standards and Guidelines
8. Basic Physiology
9. Introduction to Toxicokinetics
10. Absorption
11. Distribution
12. Biotransformation
13. Excretion
14. Cellular Toxicology
15. Intuitive Toxicology and Risk Communication
16. Environmental Toxicology, Environmental Health, and One Health
17. Conclusion

Each section of ToxTutor contains one or more related content pages. *Next* and *Back* buttons are provided to allow you to navigate through these pages. For more information, see the "Getting Around" section below.

The basic principles of toxicology described in ToxTutor are similar to those taught in university programs and are well described in toxicology literature. A list of the textbooks used as the primary resources for the tutorials is found in the Bibliography.

Using ToxTutor

Getting Around

It will take approximately three hours to complete this self-paced tutorial.

There are a variety of ways you can navigate ToxTutor. You can:

- Use the *Menu* button in the upper right corner of each page to access the main sections, view the glossary or bibliography, or contact support.
- Click the links in the list above to access sections directly.
- Click the *Back* and *Next* buttons at the bottom of each page to move through the material.
- Press the left and right arrow keys on your keyboard to move through the material.
- Use a combination of the above methods to explore the course contents.

Progress

At the top of each page in ToxTutor are links indicating where the current page falls within the overall ToxTutor program. You can click these links to return to this homepage or to the section that contains the page.

Links

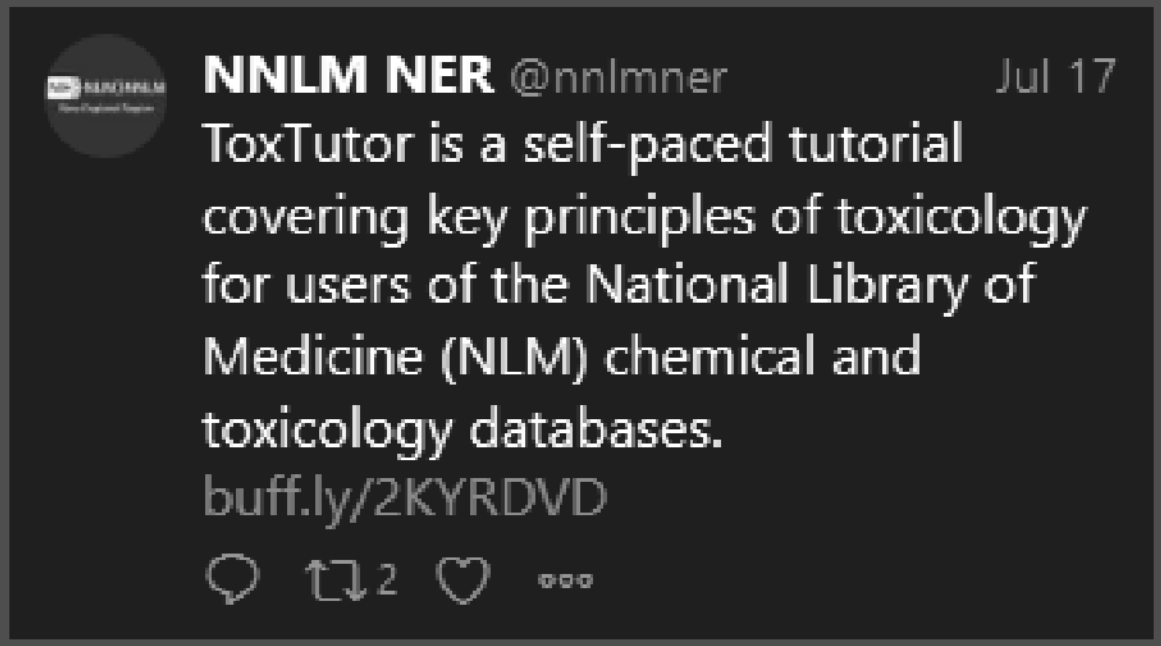
Throughout the course, you will encounter links. Any link with an *External Link* icon ( ) points to a resource outside of ToxTutor, which will typically open in a new tab or window. All other links are to other areas within ToxTutor. In many cases, a link will open a **small pop-up box** within the page to provide more information.

In addition, clicking on an image will open a larger view of it in a pop-up box within the page.

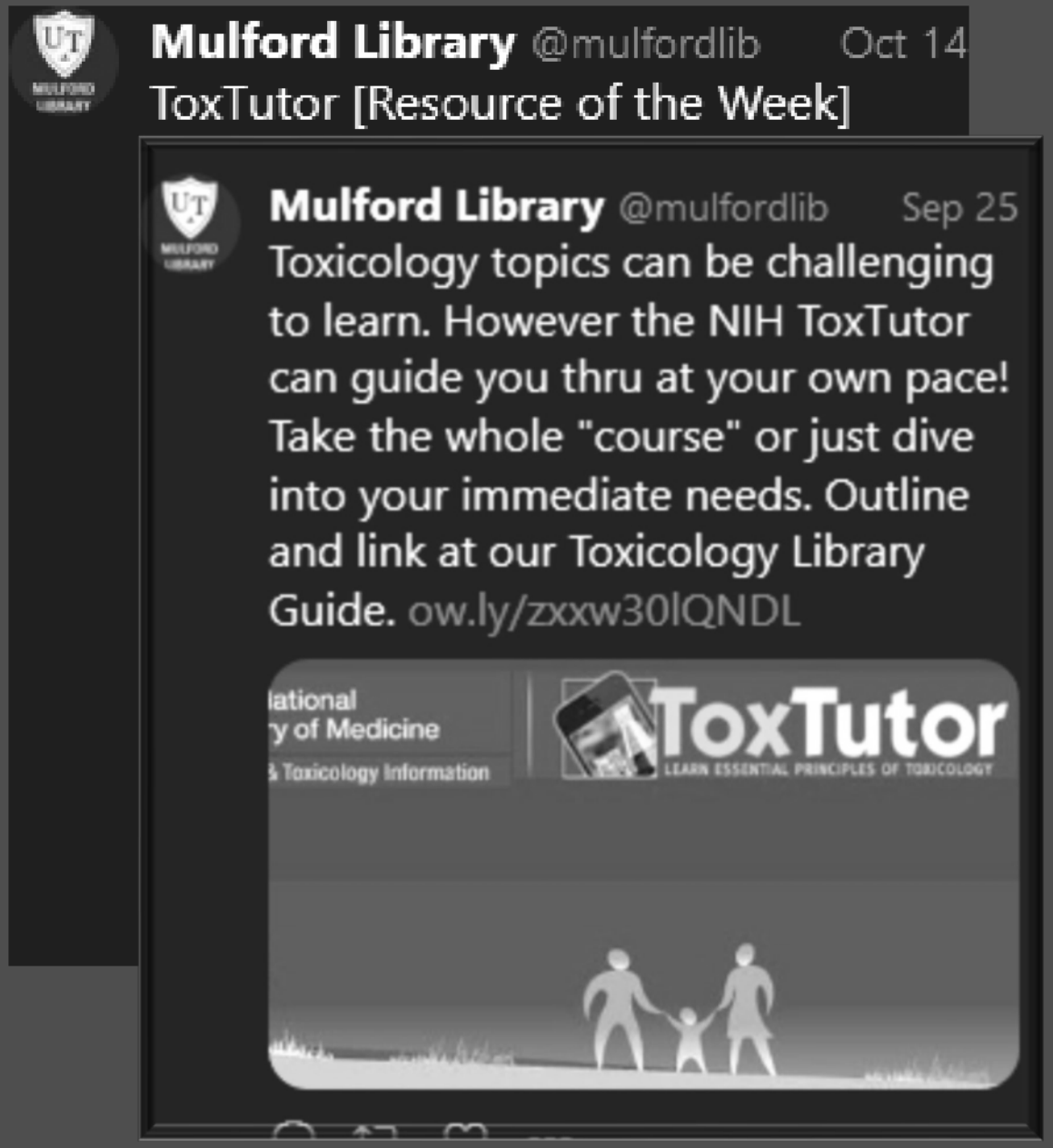
Getting Help

If you need help using ToxTutor or have questions or comments about any of the content presented here, please select the *About ToxTutor/Getting Help* option from the upper-right menu.

Thanks!


NNLM NER @nnlmner Jul 17
ToxTutor is a self-paced tutorial covering key principles of toxicology for users of the National Library of Medicine (NLM) chemical and toxicology databases.
buff.ly/2KYRDVD
2

Thanks!


Mulford Library @mulfordlib Oct 14
ToxTutor [Resource of the Week]
Mulford Library @mulfordlib Sep 25
Toxicology topics can be challenging to learn. However the NIH ToxTutor can guide you thru at your own pace! Take the whole "course" or just dive into your immediate needs. Outline and link at our Toxicology Library Guide. ow.ly/zxxw30lQNDL
ToxTutor
LEARN ESSENTIAL PRINCIPLES OF TOXICOLOGY

http://www.toxmsdt.com/

http://www.toxmsdt.com/e-modules.html

Nice to see!

Why ToxMSDT?

The Toxicology Mentoring and Skills Development Training Program is a 2 yr pilot program funded by the National Institutes of Health. The goal of the program is to support educational activities that complement and/or enhance the training of a diverse workforce to meet the nation's biomedical, behavioral and clinical research needs. Toxicology is an essential component of the nation's biomedical research enterprise. However, there is a critical lack of under-represented minorities in toxicology. Iowa State University, Tuskegee University, and the Ohio State University conceived this unique Toxicology Mentoring and Skills Development Training program targeting undergraduate underrepresented minorities in order to increase the pool of minorities entering graduate school and the toxicology workforce pipeline. Core concepts of the program are structured mentoring activities, skills development, and public outreach in toxicology.

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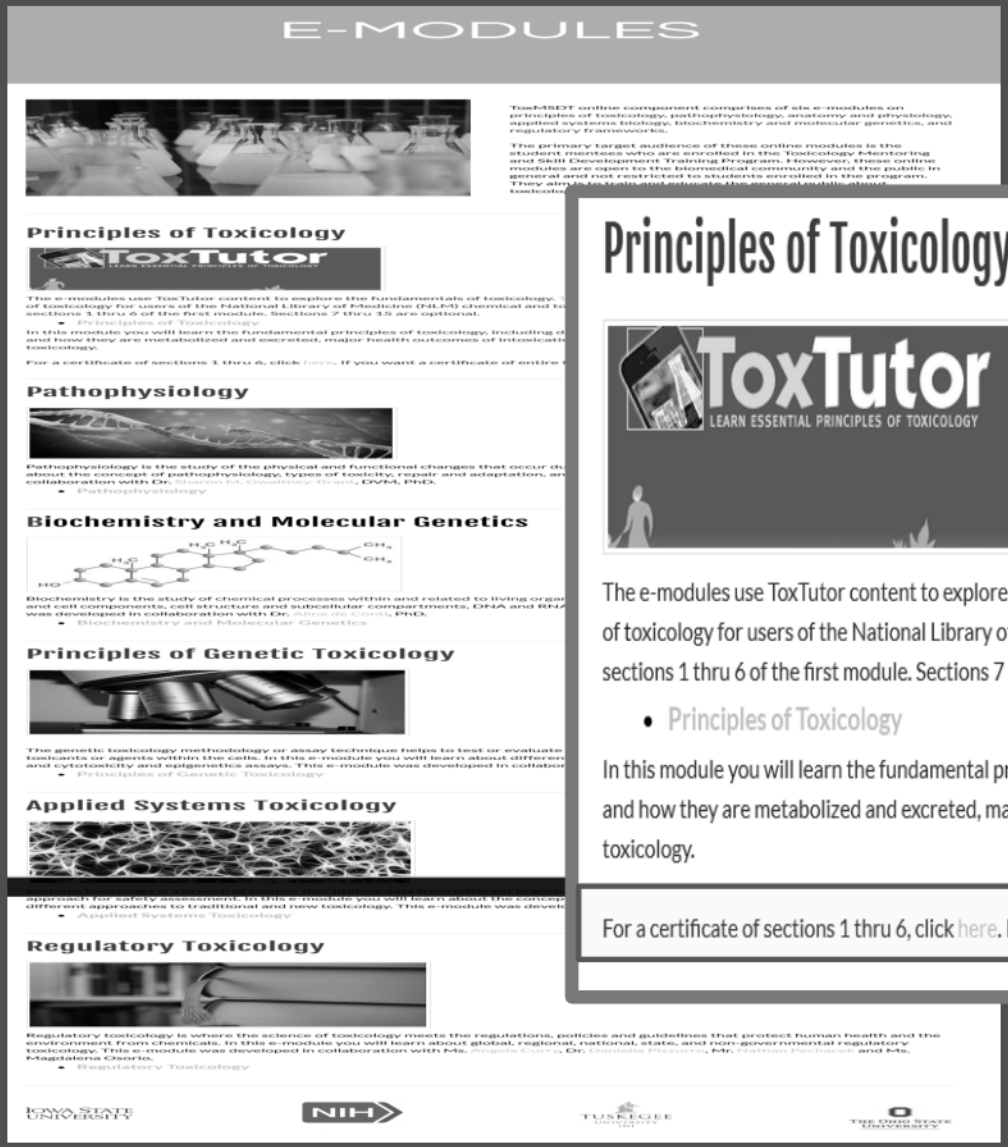
NIH

TUSKEGEE UNIVERSITY 1881

THE OHIO STATE UNIVERSITY



From previous slide

Principles of Toxicology

ToxTutor
LEARN ESSENTIAL PRINCIPLES OF TOXICOLOGY

The e-modules use ToxTutor content to explore the fundamentals of toxicology. ToxTutor is a self-paced tutorial covering key principles of toxicology for users of the National Library of Medicine (NLM) chemical and toxicology databases. It is required that you take the sections 1 thru 6 of the first module. Sections 7 thru 15 are optional.

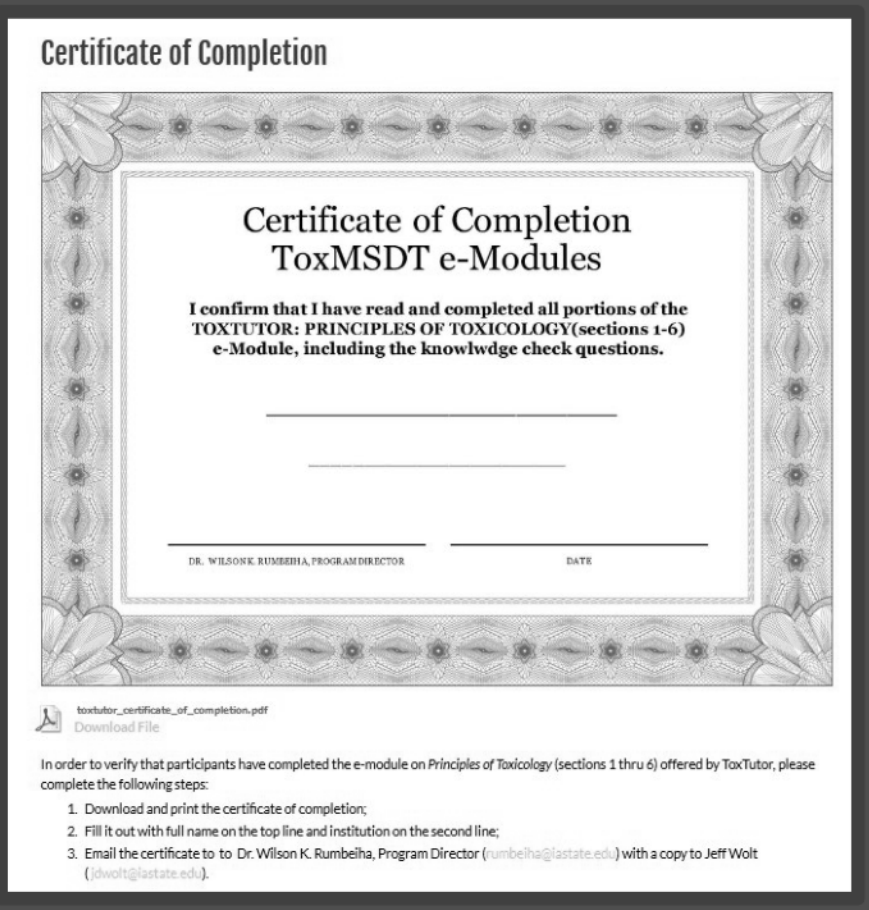
- Principles of Toxicology

In this module you will learn the fundamental principles of toxicology, including dose-response relationships, how chemicals enter the body and how they are metabolized and excreted, major health outcomes of intoxications, basics of physiology, toxicokinetics, and cellular toxicology.

For a certificate of sections 1 thru 6, click here. If you want a certificate of entire tutorial (sections 1 thru 15) completion, please register.

Next Slide

From previous slide



Certificate of Completion

Certificate of Completion
ToxMSDT e-Modules

I confirm that I have read and completed all portions of the TOXTUTOR: PRINCIPLES OF TOXICOLOGY(sections 1-6) e-Module, including the knowlwdge check questions.

DR. WILSONK. RUMBEIHA, PROGRAM DIRECTOR

DATE

toxtutor_certificate_of_completion.pdf
Download File

In order to verify that participants have completed the e-module on *Principles of Toxicology* (sections 1 thru 6) offered by ToxTutor, please complete the following steps:

1. Download and print the certificate of completion;
2. Fill it out with full name on the top line and institution on the second line;
3. Email the certificate to to Dr. Wilson K. Rumbeiha, Program Director (rumbeiha@iastate.edu) with a copy to Jeff Wolt (jdwolt@iastate.edu).

If interested, a ToxMSDT contact is:
Dr. Wilson K. Rumbeiha at Iowa State University
https://vetmed.iastate.edu/users/rumbeiha

More than 650 certificates have been issued since ToxTutor was launched in the LMS .

There are more than 800 current active enrollments in the course. *(Some of whom may be making progress in the course, and others may have finished with the content but never downloaded a certificate (or abandoned the course for whatever reason.)*

Recap

Overview of ToxTutor

Pertti (Bert) J. Hakkinen, Ph.D.
Senior Toxicologist and Toxicology & Environmental Health Science Advisor (to the Director)
Specialized Information Services
National Library of Medicine
National Institutes of Health
Bethesda, MD 20892 USA

pertti.hakkinen@nih.gov

REQUEST TO RETIRE AN NLM RESOURCE

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. In contrast, ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. Also, ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) HFC 11/27/2018

X _____

Hua Florence Chang
Acting Associate Director, SIS

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  - NLM Director Initial Here Date
  - NLM Deputy Director Initial Here Date
  - NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Only SIS staff have been informed. We will need to inform all NLM staff, and the RMLs.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? ToxLearn has been supplanted by ToxTutor. ToxLearn is retiring due to its format in Adobe Flash and because several of its modules were never completed. In contrast, ToxTutor has been updated and enhanced and is NLM's online toxicology tutorial of choice.
    - When will the information be provided? 12/1/2018
    - By what method(s) will information be provided? Example: Email to all NLM staff Digital signage within NLM. Emails to key contacts at outside organizations, e.g., Society of Toxicology. Also to be announced during NLM exhibits.
    - If multiple messages are to be sent, by what method(s) and with what frequency? One time communications are planned.
    - Are there any potential areas for misunderstanding or concern? No, because ToxTutor is a far more current and comprehensive tutorial, and does not use Adobe Flash. It is compatible with the devices users are expected to use.
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? ToxLearn has been supplanted by ToxTutor. ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. It is compatible with the devices users are expected to use to access it.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) SOT will host the archived version of ToxLearn, provided by NLM. NLM do not plan to keep any of the content up, or available. Its unique format in Adobe Flash does not lend well to keeping the content up.
    - What will happen to the staff working on the product or service? The NLM project lead for ToxLearn retired at the end of 2017 and there has been no further work on it.
    - What staff will be involved in this transition? Pertti (Bert) Hakkinen.
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☒ Information delivered at staff meetings
    - ☒ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☐ Other (Explain) Enter other mechanism(s)
5. Develop and attach a set of Talking Points for the NLM Director Click or tap here to enter text.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☐ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. In contrast, ToxTutor has been updated and enhanced and it is a far more current and comprehensive tutorial. ToxTutor now serves as the online tutorial of choice. ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use. An archived version of the ToxLearn will be hosted on SOT Web site.
   - What content, if any, will still be available and, if so, why and where? None
   - What will happen to the staff working on the product or service? The NLM project lead for ToxLearn retired at the end of 2017 and there has been no further work on it.

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use.
   - What content, if any, will still be available and, if so, why and where? SOT indicated that they will host an archived version of ToxLearn on the SOT Website.
   - What will happen to the staff working on the product or service? They have already retired
   - How can I or how can my group be involved in this transition? None

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Pertti (Bert) Hakkinen

☒ Due date 12/31/2018

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☒ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☒ Other (Please Explain) Ask the Society of Toxicology to note this in its online "news" messaging to members.

4. Determine questions that may need to be addressed, including:
   - What information will be provided? .
   - When will the information be provided? December 1, 2018
   - With what frequency? once
   - Are there potential areas for misunderstanding or concern? No once the following is explained: ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? The archived version of ToxLearn will be available on the SOT Website.
   - How will NLM respond to questions and comments? Will answer emails sent to customer service
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No. Our explanation should be enough.

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Pertti (Bert) J. Hakkinen, Ph.D..	P: 301-827-4222. Pertti.hakkinen@nih.gov

From: Nurik, Jody (NIH/OD) [E]
Sent: 2 Jan 2019 14:34:01 -0500
To: Cravedi, Kathleen (NIH/NLM) [E]
Cc: Middleton, Grace
Subject: FW: Four SIS Sunset Requests
Attachments: FORM REQUEST TO RETIRE NLM TOXMAP Nov 2019rev.docx

Hi Kathy,

I am meeting with Grace Middleton and she let me know that she will be Personal Info Personal Info. She will be providing me the name of her supervisor and there will be an ICF technical writer (Kate Youmans) who can pick up some of Grace's work.

Please provide a list of the responsibilities you have given Grace so we can transition the work to Kate and NLM OCPL staff, including her role in these sunsetting requests. I will work with Grace on a transition plan for these activities the remainder of this week.

Thanks,
Jody

From: "Cravedi, Kathleen (NIH/NLM) [E]" <cravedik@mail.nlm.nih.gov>
Date: Tuesday, January 1, 2019 at 5:49 AM
To: "Nurik, Jody (NIH/OD) [E]" <jody.nurik@nih.gov>, "Middleton, Grace" <Grace.Middleton@icf.com>
Cc: "Cravedi, Kathleen (NIH/NLM) [E]" <cravedik@mail.nlm.nih.gov>
Subject: FW: Four SIS Sunset Requests

fyi

From: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>
Date: Monday, December 31, 2018 at 2:15 PM
To: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Cc: "Cravedi, Kathleen (NIH/NLM) [E]" <cravedik@mail.nlm.nih.gov>, "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>
Subject: RE: Four SIS Sunset Requests

Jerry,

Please see the usage metrics and answers to your questions. The sunset request form is updated, the fields that have new content are highlighted in yellow. I will sign it after your review.

TOXMAP Google Analytics for the past 6 months

Users 35,308

New Users 34,969

Sessions 42,828

Number of Sessions per User 2.41

Pageviews 108,658

Pages / Session 10.3

Answers to the questions in red:

I have a few questions about the retirement of TOXMAP that I think are important to address in the sunsetting document and subsequent communication materials.

- Can you provide greater detail about what TOXNET functionality is and is not no provided by EPA (the document says EPA offers "some" functionality – we should be clear about what's not provided by EPA)

  The TOXMAP-Classic, developed in the early 2000, featured the ability to provide context-sensitive search to TOXNET to get to environmental health literatures related to the geo-location the users searched in TOXMAP. The TOXMAP-Classic was built on Apache-Axis platform which was no longer supported since 2006. TOXMAP-beta was the next implementation, which uses Adobe Flash, which also became an obsolete platform. The latest TOXMAP implementation uses modern technology platform. But it only has basic "out of the box" GIS features. To further develop this version to have the customized features of TOXMAP-Classic and TOXMAP-beta, i.e., the context-sensitive search into TOXNET, will take a major investment in software development. By looking at the usage of the unique searches into TOXNET from TOXMAP-classic, it only averaged about 400 searches a year. The usage does not justify the further investment in development.

  EPA has several GIS applications and a new visualization tool of TRI data that have the similar GIS features of TOXMAP. https://www.epa.gov/geospatial/epa-geospatial-applications; https://edap.epa.gov/public/extensions/TRINA_dashboard_2016/TRINA_dashboard_2016.html

- Can you provide greater detail on what TOXNET content will NOT be available from other sources? It appears that much of the data are available from other sources. We should be clear about any data that will no longer be available. Or is it just that the info won't be available from a single source and other (original) sources don't provide all the functionality we offer.

  TOXMAP collected several GIS datasets from other original sources to make the GIS application meaningful and comprehensive. TOXMAP is the one single resource that pulls these relevant datasets together.

However, these datasets are still available from their original sources. In a GIS application like the EPA's EnviroMapper, https://www.epa.gov/emefdata/em4ef.home, users can add these datasets, available from ArcGIS, or from the web, as additional layers to the map.

Thanks!

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, December 12, 2018 9:36 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Cravedi, Kathleen (NIH/NLM) [E] <cravedik@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Four SIS Sunset Requests

Also, can you provide some estimate of the usage and users of TOXMAP? Thanks
Jerry

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Sent: Wednesday, December 12, 2018 9:35 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Cravedi, Kathleen (NIH/NLM) [E] <cravedik@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: FW: Four SIS Sunset Requests

Florence,
I have a few questions about the retirement of TOXMAP that I think are important to address in the sunsetting document and subsequent communication materials.

- Can you provide greater detail about what TOXNET functionality is and is not no provided by EPA (the document says EPA offers "some" functionality – we should be clear about what's not provided by EPA)
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Thanks,
Jerry

From: Cravedi, Kathleen (NIH/NLM) [E]
Sent: Friday, November 30, 2018 10:30 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Four SIS Sunset Requests

For your review and approval. Please let me know your thoughts. Kathy

REQUEST TO RETIRE NLM TOXMAP

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) The US EPA now produces several GIS products and visualization applications (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality, except the ability to search TOXNET from within the GIS tools. This was a unique feature in TOXMAP-classic, which was retired due to the obsolete technology platform. The new version of TOXMAP does not have this feature either. To make the new TOXMAP to have this feature will require major investment in software development. We cannot justify the effort because the usage of this feature was very low, averaging about 400 searches a year.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Initial Here Date

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff. Identify who needs to be informed? (staff, contractors) SIS staff, NLM staff, NNLM staff and core set of dedicated users from the Public Health and Toxicology Communities.

1. Determine questions that may need to be addressed. These may include:
   What information needs to be provided? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now

provides several GIS products that provide similar GIS functionality of TOXMAP.

- When will the information be provided? End of FY2019
- By what method(s) will information be provided? Example: Email to all NLM staff Email, GovD posts, announcement on TOXMAP web site
- If multiple messages are to be sent, by what method(s) and with what frequency? Over a three-month period.
- Are there any potential areas for misunderstanding or concern? None except that core users of TOXMAP will not have a comparable resource available.

2. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now provides several GIS products that provide similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) US EPA GIS applications and TRI applications; possibly NLM TOXNET TRI
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS.
    - What staff will be involved in this transition? Colette Hochstein
3. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☐ Information delivered at staff meetings
    - ☐ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☐ Other (Explain) Enter other mechanism(s)
4. Develop and attach a set of Talking Points for the NLM Director TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program. It will be retired at the end of FY2019. It no longer aligns with NLM priorities and because the US EPA now provides several GIS products that provide similar GIS functionality.
5. Does the NIH Director or other IC Directors need to be informed? No

    If Yes, check all that apply:

    ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☒ Other (Please elaborate) SIS has worked for many years with the US EPA regarding the data and functionality of TOXMAP. Their staff should be informed of its status.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other original sources. GIS application users can access them by overlaying the data in their GIS applications. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other sources. GIS application users can access them by overlaying the data to the maps. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

- How can I or how can my group be involved in this transition? Provide related information as needed.

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Colette Hochstein, Florence Chang

☐ Due date 9/30/2019

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
   - When will the information be provided? Starting Summer 2019)
   - With what frequency? Monthly
   - Are there potential areas for misunderstanding or concern? Probably not.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI
   - How will NLM respond to questions and comments? Staff will respond to questions received through customer service emails
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Name	Colette Hochstein, Florence Chang

From: Middleton, Grace
Sent: 3 Jan 2019 14:23:05 +0000
To: Cravedi, Kathleen (NIH/NLM) [E];Nurik, Jody (NIH/OD) [E]
Subject: Re: Four SIS Sunset Requests

Kathy,

Happy New Year!

Personal Info

Thanks,
Grace

From: Cravedi, Kathleen (NIH/NLM) [E] <cravedik@mail.nlm.nih.gov>
Sent: Thursday, January 3, 2019 6:10:06 AM
To: Nurik, Jody (NIH/OD) [E]
Cc: Middleton, Grace
Subject: Re: Four SIS Sunset Requests

Jody. I was unaware of Personal Info Are you available to meet briefly this morning and discuss next steps on a number of issues?

From: "Nurik, Jody (NIH/OD) [E]" <jody.nurik@nih.gov>
Date: Wednesday, January 2, 2019 at 2:34 PM
To: "Cravedi, Kathleen (NIH/NLM) [E]" <cravedik@mail.nlm.nih.gov>
Cc: "Middleton, Grace" <Grace.Middleton@icf.com>
Subject: FW: Four SIS Sunset Requests

Hi Kathy,

I am meeting with Grace Middleton and she let me know that she will be Personal Info Personal Info. She will be providing me the name of her supervisor and there will be an ICF technical writer (Kate Youmans) who can pick up some of Grace's work.

Please provide a list of the responsibilities you have given Grace so we can transition the work to Kate and NLM OCPL staff, including her role in these sunsetting requests. I will work with Grace on a transition plan for these activities the remainder of this week.

Thanks,
Jody

From: "Cravedi, Kathleen (NIH/NLM) [E]" <cravedik@mail.nlm.nih.gov>
Date: Tuesday, January 1, 2019 at 5:49 AM
To: "Nurik, Jody (NIH/OD) [E]" <jody.nurik@nih.gov>, "Middleton, Grace" <Grace.Middleton@icf.com>
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Sent: Wednesday, December 12, 2018 9:36 AM
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Thanks,
Jerry

From: Cravedi, Kathleen (NIH/NLM) [E]
Sent: Friday, November 30, 2018 10:30 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Four SIS Sunset Requests

For your review and approval. Please let me know your thoughts. Kathy

From: Backus, Joyce (NIH/NLM) [E]
Sent: 7 Jan 2019 18:18:29 +0000
To: Gillikin, David (NIH/NLM) [E]
Subject: RE: did not email with SIS product spreadsheet
Attachments: SIS_products_services.xlsx

Weird. I blame the “other” machine.

From: Gillikin, David (NIH/NLM) [E]
Sent: Monday, January 7, 2019 11:11 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: did not email with SIS product spreadsheet

Joyce
I haven’t gotten your email with the SIS product spreadsheet.

David

Product Name	Product Description	Program Area	Access	Website URLs	Comments	Staffing	Contracts	IAA/DC funding source	Notes
AIDSInfo	U.S. Department of Health and Human Services (HHS) resource providing information on HIV/AIDS clinical trials and federally approved HIV treatment and prevention guidelines, information on HIV/AIDS treatment, clinical trials, and other HIV/AIDS-related research information for health care providers, researchers, people affected by HIV/AIDS, and the general public.	HIV/AIDS	External	https://aidsinfo.nih.gov/	Sponsored by OAR, NIAID, HRSA, and CDC.	Nicole Scott (LO)	SIS: 0 OAR: $2,600,000	2,600,000	Contract is fully funded by OAR
AIDSInfo API	Provides access to the AIDSinfo drug database fact sheets in XML format. The API returns information from both the professional and patient versions of the AIDSinfo drug database fact sheets based on input query strings.	HIV/AIDS	External	https://aidsinfo.nih.gov/api	Sponsored by OAR, NIAID, HRSA, and CDC.	Nicole Scott (LO)	0		
AIDSinfo HIV/AIDS Drug Database	Provides mobile access to information about drugs approved to treat HIV infection, drugs that are used to treat other infections or diseases common to people living with HIV, and also HIV/AIDS-related drugs that are being studied in clinical trials. Also available for Android	HIV/AIDS	External	https://itunes.apple.com/us/app/aidsinfo-hiv-aids-drug-database/id942509562?mt=8	Sponsored by OAR, NIAID, HRSA, and CDC.	Nicole Scott (LO)	0		
AIDSInfo HIV/AIDS Glossary	The AIDSinfo HIV/AIDS Glossary is a powerful tool that provides mobile access to over 850 pertinent HIV/AIDS glossary terms in both English and Spanish.	HIV/AIDS	External	https://itunes.apple.com/us/app/aidsinfo-hiv-aids-glossary/id397417517?mt=8	Sponsored by OAR, NIAID, HRSA, and CDC.	Nicole Scott (LO)	0		
AIDSource	AIDSource offers access to a comprehensive collection of HIV/AIDS-related resources reviewed and selected by expert information specialists and librarians.	HIV/AIDS	External	https://aids.nlm.nih.gov/		Nicole Scott (LO)	SIS: 0 OAR:$286,000	286,000	Contract is fully funded by OAR
All-Hazards Plan	All Hazards Plan is a high-level view of the actions HHS can take to assist in an emergency. HHS is the lead federal agency for the public health and medical aspects of emergency planning and response. The All-Hazards plan centralizes common steps and information needs in a single plan that is easier to learn and use as a guide. A collaboration with HHS/ASPR	Disaster/Public Health Emergency	External	https://allhazards.nlm.nih.gov/	This is an archival site. It will retire when the new HHS/ASPR Emergency Management Portal is ready.	Florence Chang (retire)	0		
Alternatives to Animal Testing Bibliography (ALTBIB)	Bibliography on alternatives to the use of live vertebrates in biomedical research and testing.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/altbib.html		Pertti Hakkinen (LO)	0		
American Indian Health	Health and well-being of American Indians.	Special Population Outreach	External	https://americanindianhealth.nlm.nih.gov/	This site will retire in 2018.	Laura Bartlett (LO)	0		
Arctic Health	Health and well-being of our planet's northern-most inhabitants.	Special Population Outreach	External	https://arctichealth.nlm.nih.gov/	This site will retire in 2018.	Laura Bartlett (LO)	0		
Carcinogenic Potency Database (CPDB)	Standardized analyses of the results of 6,540 chronic, long-term animal cancer tests (1980-2011). A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/cpdb.htm	No longer being updated. This resource will retire in 2019.	Jeanne Goshorn (LO)	0		
Chemical Carcinogenesis Research Information System (CCRIS)	Carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results on chemicals. A TOXNET database	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/ccris.htm	No longer being updated. This resource will be integrated into NCBI's PubChem.	Jeanne Goshorn (LO)	0		

Chemical Hazards Emergency Medical Management (CHEMM)	Enables first responders and other healthcare providers and planners to plan for, respond to, recover from, and mitigate the effects of mass-casualty incidents involving accidental or terrorist chemical releases. A collaboration with HHS/ASPR.	Disaster/Public Health Emergency	External	https://chemm.nlm.nih.gov/		Pertti Hakkinen (LO), Jen Pakiam (LO)	SIS: $30,000 ASPR: $170,000	170,000	$30K from SIS base budget $170K from HHS/ASPR IAA
Chemical Identification Plus Database (ChemIDplus)	Online dictionary of over 400,000 chemicals, including names, synonyms, and chemical structures.	Toxicology/Enviro Health/Chemicals	External	https://chem.nlm.nih.gov/chemidplus/chemidlite.jsp		Ying Sun (OCCS), Jeanne Goshorn (LO)	413,825		Software dev contracts, Ying Sun (OCCS) is the COR
ChemSpell Web Service API	The ChemSpell Web Service API provides chemical name spell checking and chemical name synonym look-up.	Toxicology/Enviro Health/Chemicals	External	https://chemspell.nlm.nih.gov/spell/	This site will retire in 2018.	Ying Sun (OCCS)	0		
CHIRr	CHIRr provides a resource of outcome variables and suggested measures to guide a comprehensive consumer health informatics assessment.	Special Population Outreach	External	https://chirr.nlm.nih.gov/	This site will retire in 2018.	Robert Logan	0		
Community Health Maps	Low cost and easy-to-use mapping and mobile communication tools.	Special Population Outreach	External	https://communityhealthmaps.nlm.nih.gov/		Colette Hochstein (LO), Jennifer Dong (OCCS)	60,000		
Comparative Toxicogenomics Database (CTD)	Contains manually curated data describing cross-species chemical-gene/protein interactions and chemical-and gene-disease relationships. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/ctd.htm	This resource will be integrated into NCBI's PubChem.	Pertti Hakkinen (LO), Jeanne Goshorn (LO)	0		
Data Discovery	NLM open data discovery site on the Socrata platform. Provides easy interface to view, filter, download, visualize, and explore datasets.	Data Science	External	https://datadiscovery.nlm.nih.gov		David Hale (OCCS)	77,000		
DERMaL (Dermal Exposure Risk Management and Logic) eToolkit	The goal of DERMaL is to develop informational resources and tools associated with dermal exposures to chemicals to aid in pre-event planning in addition to during an event. A collaboration with CDC/NIOSH.	Disaster/Public Health Emergency	External	https://dermal.nlm.nih.gov		Pertti Hakkinen (LO)	0		
Developmental and Reproductive Toxicology Database (DART)	References to the teratology, developmental, and reproductive toxicology literature. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/dart.htm	This resource will be integrated into NCBI's PubMed.	Jeanne Goshorn (LO)	0		
Dietary Supplement Label Database	DSLD includes full label derived information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. A collaboration with NIH's Office of Dietary Supplements.	Toxicology/Enviro Health/Chemicals	External	https://dsld.nlm.nih.gov		Colette Hochstien (LO), Jeanne Goshorn (LO)	0		
Dietary Supplement Ingredient Database	DSID provides estimated levels of ingredients in dietary supplement products sold in the United States. A collaboration with NIH's Office of Dietary Supplements and USDA.	Toxicology/Enviro Health/Chemicals		https://dietarysupplementdatabase.usda.nih.gov/		Colette Hochstein (LO), Jeanne Goshorn (LO)	0		
Disaster Information	The Disaster Information Management Research Center provides health information resource and informatics research related to disasters of natural, accidental, or deliberate origin.	Disaster/Public Health Emergency	External	https://disasterinfo.nlm.nih.gov		Siobhan Champ-Blackwell (LO), Jen Pakiam (LO), Stacey Arnesen (LO)	SIS: $225,000 IAA and DC: $160,000	Additional IAAs and DCs from partner agencies; amount varies; FY2018 total $160K	$225K from SIS base budget. Additional IAA and DC fundings from partner agencies;

Disaster Lit: Resource Guide for Disaster Medicine and Public Health	Guide to freely available online disaster medicine and public health literature and related information.	Disaster/Public Health Emergency	External	https://disasterlit.nlm.nih.gov/		Siobhan Champ-Blackwell (LO), Jen Pakiam (LO), Stacey Arnesen (LO)	300,000		
Drug Information Portal	Information for over 55,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites. Same backend database as ChemIDplus.	Toxicology/Enviro Health/Chemicals	External	https://druginfo.nlm.nih.gov/		Ying Sun (OCCS), Jeanne Goshorn (LO)	0		Same contracts as ChemIDplus
Drug Information Portal Mobile	A mobile interface to information for over 55,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites, using their mobile version when available. Sane backend database as ChemIDplus.	Toxicology/Enviro Health/Chemicals	External	https://druginfo.nlm.nih.gov/m.drugportal/m.drugportal.jsp		Ying Sun (OCCS), Jeanne Goshorn (LO)	0		
Environmental Health and Toxicology Information	Portal to numerous NLM databases and resource in environmental health and toxicology.	Toxicology/Enviro Health/Chemicals	External	https://sis.nlm.nih.gov/enviro.html		Colette Hochstein (LO), Vivian Chung (OCCS)	0		
Environmental Health Student Portal	Environmental Health education resources for middle school students and their teachers. A consumer health information resource.	Toxicology/Enviro Health/Chemicals	External	https://kidsenvirohealth.nlm.nih.gov/		Alla Keselman (LO)	26,000		
GeneED	Explore topics such as Cell Biology, DNA, Genes, Chromosomes, Heredity/Inheritance Patterns, Epigenetics/Inheritance and the Environment, Genetic Conditions, Evolution, Biostatistics, Biotechnology, DNA Forensics, and Top Issues in Genetics. A consumer health information resource.	Special Population Outreach	External	https://geneed.nlm.nih.gov/	This site will retire in 2019.	Alla Keselman (LO)	0		
GENE-TOX (Genetic Toxicology DataBank)	Mutagenicity test data on chemicals based on peer review of the scientific literature. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/genetox.htm	No longer being updated. This resource will be integrated into NCBI's PubChem.	Jeanne Goshorn (LO)	0		
Hazardous Substances Data Bank (HSDB)	Comprehensive, peer-reviewed toxicology data for about 5,000 chemicals. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm	This resource will be integrated into NCBI's PubChem.	George Fonger (LO), Jeanne Goshorn (LO), Pertti Hakkinen (LO), Phillip Thomas (OCCS)	1,286,800		Two contracts for content building, peer-review process coordination
Haz-Map	Links jobs and hazardous tasks with occupational diseases and their symptoms. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://hazmap.nlm.nih.gov		Lucie Chen (LO), Quynh-Thu Nguyen (OCCS)	38,500		
HealthReach	Multilingual and multicultural health information for those working with or providing care to individuals with limited English proficiency. A consumer health information resource.	Special Population Outreach	External	https://healthreach.nlm.nih.gov/		Laura Bartlett (LO), Vivian Chung (OCCS), Jennifer Dong(OCCS), Quynh-Thu Nguyen (OCCS)	345,000		
Household Products Database	Health and safety information on household products. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://hpd.nlm.nih.gov/		Pertti Hakkinen (LO), Lucie Chen (LO), Vivian Chung (OCCS), Quynh-Thu Nguyen (OCCS)	60,000		

Integrated Risk Information System (IRIS)	Hazard identification and dose-response assessments on chemicals. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/iris.htm		Pertti Hakkinen (LO)	0		
International Toxicity Estimates for Risk (ITER)	Risk information on chemicals from several authoritative organizations worldwide. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/iter.htm		George Fonger (LO), Pertti Hakkinen (LO)	35,000		
LactMed (Drugs and Lactation Database)	Find information about maternal and infant drug levels, possible effects on lactation and on breastfed infants, and alternative drugs to consider. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/lactmed.htm	This resource has been integrated into NCBI's Books.	Lucie Chen (LO)	20,000		
LactMed Mobile App for iPhone/iPod Touch/Android Devices	Find information about maternal and infant drug levels, possible effects on lactation and on breastfed infants, and alternative drugs to consider. Mobile version	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/help/lactmedapp.htm		Ying Sun (OCCS), Jennifer Dong (OCCS)	0		
LiverTox	Provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and management of liver injury attributable to prescription and nonprescription medications, herbals and dietary supplements. A collaboration with NIDDK.	Toxicology/Enviro Health/Chemicals	External	https://livertox.nih.gov/		Pertti Hakkinen (LO)	SIS: $106,000 NIDDK: $90,000	90,000	$106K from SIS base budget; $90K from NIDDK DC
NIH Disaster Research Response (DR2)	DR2 is the national framework for research on the medical and public health aspects of disasters and public health emergencies. A collaboration with NIEHS.	Disaster/Public Health Emergency	External	https://dr2.nlm.nih.gov		Siobhan Champ-Blackwell (LO), Jen Pakiam (LO), Stacey Arnesen (LO)	NIEHS:$100,000	100,000	DC from NIEHS fully funds this project
Outreach Resources and Activites	Population specific Web-based resources.	Special Population Outreach	External	https://sis.nlm.nih.gov/outreach.html		Laura Bartlett (LO)	0		
Pathways for Public Health Information	Guides to Web resources on environmental health and toxicology, disasters, chemicals, drugs, and special populations.	Toxicology/Enviro Health/Chemicals	External	https://sis.nlm.nih.gov/pathway.html	This site will retire in 2018.	Colette Hochstein (LO)	0		
Pillbox	Pillbox enables rapid identification of unknown solid-dosage medications (tablets/capsules) based on physical characteristics and high-resolution images.	Toxicology/Enviro Health/Chemicals	External	https://pillbox.nlm.nih.gov/		David Hale (OCCS), Quynh-Thu Nguyen (OCCS)	40,000		
Pillbox API	Provides access to the pharmaceutical identification and reference system, data, and medication images.	Toxicology/Enviro Health/Chemicals	External	http://pillbox.nlm.nih.gov/API-documentation.html		David Hale (OCCS), Quynh-Thu Nguyen (OCCS)	0		
Radiation Emergency Medical Management (REMM)	Designed for health care providers, primarily physicians, without formal expertise in radiation safety or radiation medicine who may provide medical care during an accidental or non-accidental radiation event. A collaboration with HHS/ASPR.	Disaster/Public Health Emergency	External	https://www.remm.nlm.gov/		Jen Pakiam (LO)	ASPR: $37,000	37,000	Fully funded by IAA from ASPR
Radiation Emergency Medical Management (REMM) Mobile	Guidance for health care providers on the diagnosis and treatment of radiation injuries during radiation and nuclear emergencies via a mobile app. A collaboration with HHS/ASPR. Available on Apple's iOS devices, and Android devices	Disaster/Public Health Emergency	External	https://www.remm.nlm.gov/downloadremm.htm		Jen Pakiam (LO)	ASPR: $10,500	10,500	Fully funded by IAA from ASPR
SIS Main Web	SIS' home page showcasing the information resources covering toxicology, environmental health, HIV/AIDS, outreach to underserved and special populations, HIV/AIDS, drugs and household products, and disaster/emergency preparedness and response.	All	External	https://sis.nlm.nih.gov		Colette Hochstein (LO)	0		

Substance Registration System (FDA)	A joint FDA/USP project to support health information technology initiatives by generating unique ingredient identifiers (UNIIs) for substances in drugs, biologics, foods, and devices. A collaboration with FDA.	Toxicology/Enviro Health/Chemicals	External	https://fdasis.nlm.nih.gov		Ying Sun (OCCS), Jeanne Goshorn (LO)	FDA: $150,000	150,000	Fully funded by IAA from FDA
Tox App	A free mobile app for iOS users based on the web-based NLM TOXMAP. Tox-App includes ~465 chemicals that were released on-site in TRI2016.	Toxicology/Enviro Health/Chemicals	External	https://itunes.apple.com/us/app/tox-app/id1227471020?mt=8		Colette Hochstein (LO), Ying Sun (OCCS)	0		
Tox Town	Interactive guide to toxic chemicals and environmental health risks. A consumer health information resource.	Toxicology/Enviro Health/Chemicals	External	https://toxtown.nlm.nih.gov/		Alla Keselman (LO)	200,000		
Toxicology Literature Online (TOXLINE)	Over 4 million references to literature on biochemical, pharmacological, physiological, and toxicological effects of drugs and other chemicals. A TOXNET database	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/toxline.htm	This resource will be integrated into NCBI's PubMed.	Jeanne Goshorn (LO)	0		
Toxicology Tutorials	College-level tutorials on the basic principles of toxicology, toxicokinetics, and cellular toxicology.	Toxicology/Enviro Health/Chemicals	External	https://toxtutor.nlm.nih.gov/		Pertti Hakkinen (LO)	50,000		
Toxics Release Inventory (TRI)	Annual estimated releases of toxic chemicals into the environment by industrial facilities in the United States.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/tri.htm		Colette Hochstein (LO)	0		
ToxLearn	An online learning tool providing an introduction to toxicology fundamentals. A collaboration with the Society of Toxicology	Toxicology/Enviro Health/Chemicals	External	https://toxlearn.nlm.nih.gov	This site will retire in 2018.	Jeanne Goshorn (LO)	0		
TOXMAP	Uses maps of the United States to show the amount and location of toxic chemicals released into the environment.	Toxicology/Enviro Health/Chemicals	External	https://toxmap.nlm.nih.gov/	This site will retire in 2019.	Colette Hochstein (LO)	0		
ToxMystery	Interactive learning site on toxic substances for children 7-10 years old.	Toxicology/Enviro Health/Chemicals	External	https://toxmystery.nlm.nih.gov/	This site will retire in 2018.	Alla Keselman (LO)	0		
TOXNET (Toxicology Data Network)	A cluster of databases covering toxicology, hazardous chemicals, environmental health and related areas.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/	This resource will be integrated into NCBI's PubChem, PubMed, and Books.	Phillip Thomas (OCCS)	330,000		IT contract for software dev, data processing, etc., Not include the IT system/infrastructure support
TOXNET API	TOXNET API offers a RESTful Web Service API that allows users to search TOXNET databases with keywords.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/toxnetapi/TOXNETWebService.html	This service will retire after TOXNET integration with NCBI is complete.	Phillip Thomas (OCCS)	0		
TOXNET Mobile	Easy to use, mobile-optimized Web interface to the TOXNET databases, covering toxicology, hazardous chemicals, environmental health and related areas.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/pda/	This service will retire after TOXNET integration with NCBI is complete.	Phillip Thomas (OCCS)	0		

Wireless Information System for Emergency Responders (WISER)	Assists first responders in hazardous material incidents. WISER provides a wide range of information on hazardous substances, including substance identification support, physical characteristics, human health information, and containment and suppression guidance. WISER is available as a standalone application on Windows PCs, Apple's iOS devices, and Android devices.	Disaster/Public Health Emergency	External	https://wiser.nlm.nih.gov/		Jen Pakiam (LO), Pertti Hakkinen (LO), Stacey Arnesen (LO)	SIS: $350,000 Additional fundings from DOT, ASPR	IAA fundings from DOT, ASPR, etc. Amount varies	Software dev, mobile app dev contractor; $350K from SIS base budget; additional IAA fundings from DOT, ASPR, etc. Amount varies
Working groups									
Digital communication Working Group	Social media outreach and engagement to audience groups. Twitter handles include: NLM_SIS, NLM_DIMRC, NLM_HIV, AIDSinfo. Facebook: AIDSinfo. Listservs: Granicus/GovDelivery		External	https://www.nlm.nih.gov/socialmedia/		Siobhan Champ-Blackwell (LO), David Hale (OCCS), Lucie Chen (LO), Colette Hochstein (LO)	50,000		
Visuzliation Working Group	Explores visualization platforms (e.g. Tableau), principles, best practices. Produces prototypes of visualizations using different platforms and techniques		External/ Internal	https://healthreach.nlm.nih.gov/data-viz		Colette Hochstein (LO), Jennifer Dong (OCCS), Jeanne Goshorn (LO)			
SIS Resource Working Group	Provides coordination, guidance, and oversight to all SIS information products and services		Internal			Colette Hochstein (LO), Jeanne Goshorn (LO), Stacey Arnesen (LO), Laura Bartlett (LO), Cheryl White (LO), Phillip Thomas (OCCS)			

Product Name	Product Description	Program Area	Access	Website URLs	Comments	Staffing	Contracts	IAA/DC funding source	Notes
AIDSInfo	U.S. Department of Health and Human Services (HHS) resource providing information on HIV/AIDS clinical trials and federally approved HIV treatment and prevention guidelines, information on HIV/AIDS treatment, clinical trials, and other HIV/AIDS-related research information for health care providers, researchers, people affected by HIV/AIDS, and the general public.	HIV/AIDS	External	https://aidsinfo.nih.gov/	Sponsored by OAR, NIAID, HRSA, and CDC.	Nicole Scott (LO)	SIS: 0 OAR: $2,600,000	2,600,000	Contract is fully funded by OAR
AIDSInfo API	Provides access to the AIDSinfo drug database fact sheets in XML format. The API returns information from both the professional and patient versions of the AIDSinfo drug database fact sheets based on input query strings.	HIV/AIDS	External	https://aidsinfo.nih.gov/api	Sponsored by OAR, NIAID, HRSA, and CDC.	Nicole Scott (LO)	0		
AIDSinfo HIV/AIDS Drug Database	Provides mobile access to information about drugs approved to treat HIV infection, drugs that are used to treat other infections or diseases common to people living with HIV, and also HIV/AIDS-related drugs that are being studied in clinical trials. Also available for Android	HIV/AIDS	External	https://itunes.apple.com/us/app/aidsinfo-hiv-aids-drug-database/id942509562?mt=8	Sponsored by OAR, NIAID, HRSA, and CDC.	Nicole Scott (LO)	0		
AIDSInfo HIV/AIDS Glossary	The AIDSinfo HIV/AIDS Glossary is a powerful tool that provides mobile access to over 850 pertinent HIV/AIDS glossary terms in both English and Spanish.	HIV/AIDS	External	https://itunes.apple.com/us/app/aidsinfo-hiv-aids-glossary/id397417517?mt=8	Sponsored by OAR, NIAID, HRSA, and CDC.	Nicole Scott (LO)	0		
AIDSource	AIDSource offers access to a comprehensive collection of HIV/AIDS-related resources reviewed and selected by expert information specialists and librarians.	HIV/AIDS	External	https://aids.nlm.nih.gov/		Nicole Scott (LO)	SIS: 0 OAR:$286,000	286,000	Contract is fully funded by OAR

All-Hazards Plan	All Hazards Plan is a high-level view of the actions HHS can take to assist in an emergency. HHS is the lead federal agency for the public health and medical aspects of emergency planning and response. The All-Hazards plan centralizes common steps and information needs in a single plan that is easier to learn and use as a guide. A collaboration with HHS/ASPR	Disaster/Public Health Emergency	External	https://allhazards.nlm.nih.gov/	This is an archival site. It will retire when the new HHS/ASPR Emergency Management Portal is ready.	Florence Chang (retire)	0		
Alternatives to Animal Testing Bibliography (ALTBIB)	Bibliography on alternatives to the use of live vertebrates in biomedical research and testing.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/altbib.html		Pertti Hakkinen (LO)	0		
American Indian Health	Health and well-being of American Indians.	Special Population Outreach	External	https://americanindianhealth.nlm.nih.gov/	This site will retire in 2018.	Laura Bartlett (LO)	0		
Arctic Health	Health and well-being of our planet's northern-most inhabitants.	Special Population Outreach	External	https://arctichealth.nlm.nih.gov/	This site will retire in 2018.	Laura Bartlett (LO)	0		
Carcinogenic Potency Database (CPDB)	Standardized analyses of the results of 6,540 chronic, long-term animal cancer tests (1980-2011). A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/cpdb.htm	No longer being updated. This resource will retire in 2019.	Jeanne Goshorn (LO)	0		
Chemical Carcinogenesis Research Information System (CCRIS)	Carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results on chemicals. A TOXNET database	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/ccris.htm	No longer being updated. This resource will be integrated into NCBI's PubChem.	Jeanne Goshorn (LO)	0		
Chemical Hazards Emergency Medical Management (CHEMM)	Enables first responders and other healthcare providers and planners to plan for, respond to, recover from, and mitigate the effects of mass-casualty incidents involving accidental or terrorist chemical releases. A collaboration with HHS/ASPR.	Disaster/Public Health Emergency	External	https://chemm.nlm.nih.gov/		Pertti Hakkinen (LO), Jen Pakiam (LO)	SIS: $30,000 ASPR: $170,000	170,000	$30K from SIS base budget $170K from HHS/ASPR IAA
Chemical Identification Plus Database (ChemIDplus)	Online dictionary of over 400,000 chemicals, including names, synonyms, and chemical structures.	Toxicology/Enviro Health/Chemicals	External	https://chem.nlm.nih.gov/chemidplus/chemidlite.jsp		Ying Sun (OCCS), Jeanne Goshorn (LO)	413,825		Software dev contracts, Ying Sun (OCCS) is the COR
ChemSpell Web Service API	The ChemSpell Web Service API provides chemical name spell checking and chemical name synonym look-up.	Toxicology/Enviro Health/Chemicals	External	https://chemspell.nlm.nih.gov/spell/	This site will retire in 2018.	Ying Sun (OCCS)	0		
CHIRr	CHIRr provides a resource of outcome variables and suggested measures to guide a comprehensive consumer health informatics assessment.	Special Population Outreach	External	https://chirr.nlm.nih.gov/	This site will retire in 2018.	Robert Logan	0		

Community Health Maps	Low cost and easy-to-use mapping and mobile communication tools.	Special Population Outreach	External	https://communityhealthmaps.nlm.nih.gov/		Colette Hochstein (LO), Jennifer Dong (OCCS)	60,000		
Comparative Toxicogenomics Database (CTD)	Contains manually curated data describing cross-species chemical-gene/protein interactions and chemical- and gene-disease relationships. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/ctd.htm	This resource will be integrated into NCBI's PubChem.	Pertti Hakkinen (LO), Jeanne Goshorn (LO)	0		
Data Discovery	NLM open data discovery site on the Socrata platform. Provides easy interface to view, filter, download, visualize, and explore datasets.	Data Science	External	https://datadiscovery.nlm.nih.gov		David Hale (OCCS)	77,000		
DERMaL (Dermal Exposure Risk Management and Logic) eToolkit	The goal of DERMaL is to develop informational resources and tools associated with dermal exposures to chemicals to aid in pre-event planning in addition to during an event. A collaboration with CDC/NIOSH.	Disaster/Public Health Emergency	External	https://dermal.nlm.nih.gov		Pertti Hakkinen (LO)	0		
Developmental and Reproductive Toxicology Database (DART)	References to the teratology, developmental, and reproductive toxicology literature. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/dart.htm	This resource will be integrated into NCBI's PubMed.	Jeanne Goshorn (LO)	0		
Dietary Supplement Label Database	DSLD includes full label derived information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. A collaboration with NIH's Office of Dietary Supplements.	Toxicology/Enviro Health/Chemicals	External	https://dsld.nlm.nih.gov		Colette Hochstien (LO), Jeanne Goshorn (LO)	0		
Dietary Supplement Ingredient Database	DSID provides estimated levels of ingredients in dietary supplement products sold in the United States. A collaboration with NIH's Office of Dietary Supplements and USDA.	Toxicology/Enviro Health/Chemicals		https://dietarysupplementdatabase.usda.nih.gov/		Colette Hochstein (LO), Jeanne Goshorn (LO)	0		
Disaster Information	The Disaster Information Management Research Center provides health information resource and informatics research related to disasters of natural, accidental, or deliberate origin.	Disaster/Public Health Emergency	External	https://disasterinfo.nlm.nih.gov		Siobhan Champ-Blackwell (LO), Jen Pakiam (LO), Stacey Arnesen (LO)	SIS: $225,000 IAA and DC: $160,000	Additional IAAs and DCs from partner agencies; amount varies; FY2018 total $160K	$225K from SIS base budget. Additional IAA and DC fundings from partner agencies;
Disaster Lit: Resource Guide for Disaster Medicine and Public Health	Guide to freely available online disaster medicine and public health literature and related information.	Disaster/Public Health Emergency	External	https://disasterlit.nlm.nih.gov/		Siobhan Champ-Blackwell (LO), Jen Pakiam (LO), Stacey Arnesen (LO)	300,000		

Drug Information Portal	Information for over 55,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites. Same backend database as ChemIDplus.	Toxicology/Enviro Health/Chemicals	External	https://druginfo.nlm.nih.gov/		Ying Sun (OCCS), Jeanne Goshorn (LO)	0		Same contracts as ChemIDplus
Drug Information Portal Mobile	A mobile interface to information for over 55,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites, using their mobile version when available. Sane backend database as ChemIDplus.	Toxicology/Enviro Health/Chemicals	External	https://druginfo.nlm.nih.gov/m.drugportal/m.drugportal.jsp		Ying Sun (OCCS), Jeanne Goshorn (LO)	0		
Environmental Health and Toxicology Information	Portal to numerous NLM databases and resource in environmental health and toxicology.	Toxicology/Enviro Health/Chemicals	External	https://sis.nlm.nih.gov/enviro.html		Colette Hochstein (LO), Vivian Chung (OCCS)	0		
Environmental Health Student Portal	Environmental Health education resources for middle school students and their teachers. A consumer health information resource.	Toxicology/Enviro Health/Chemicals	External	https://kidsenvirohealth.nlm.nih.gov/		Alla Keselman (LO)	26,000		
GeneED	Explore topics such as Cell Biology, DNA, Genes, Chromosomes, Heredity/Inheritance Patterns, Epigenetics/Inheritance and the Environment, Genetic Conditions, Evolution, Biostatistics, Biotechnology, DNA Forensics, and Top Issues in Genetics. A consumer health information resource.	Special Population Outreach	External	https://geneed.nlm.nih.gov/	This site will retire in 2019.	Alla Keselman (LO)	0		
GENE-TOX (Genetic Toxicology DataBank)	Mutagenicity test data on chemicals based on peer review of the scientific literature. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/genetox.htm	No longer being updated.This resource will be integrated into NCBI's PubChem.	Jeanne Goshorn (LO)	0		
Hazardous Substances Data Bank (HSDB)	Comprehensive, peer-reviewed toxicology data for about 5,000 chemicals. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm	This resource will be integrated into NCBI's PubChem.	George Fonger (LO), Jeanne Goshorn (LO), Pertti Hakkinen (LO), Phillip Thomas (OCCS)	1,286,800		Two contracts for content building, peer-review process coordination
Haz-Map	Links jobs and hazardous tasks with occupational diseases and their symptoms. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://hazmap.nlm.nih.gov		Lucie Chen (LO), Quynh-Thu Nguyen (OCCS)	38,500		
HealthReach	Multilingual and multicultural health information for those working with or providing care to individuals with limited English proficiency. A consumer health information resource.	Special Population Outreach	External	https://healthreach.nlm.nih.gov/		Laura Bartlett (LO), Vivian Chung (OCCS), Jennifer Dong(OCCS), Quynh-Thu Nguyen (OCCS)	345,000		

Household Products Database	Health and safety information on household products. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://hpd.nlm.nih.gov/		Pertti Hakkinen (LO), Lucie Chen (LO), Vivian Chung (OCCS), Quynh-Thu Nguyen (OCCS)	60,000		
Integrated Risk Information System (IRIS)	Hazard identification and dose-response assessments on chemicals. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/iris.htm		Pertti Hakkinen (LO)	0		
International Toxicity Estimates for Risk (ITER)	Risk information on chemicals from several authoritative organizations worldwide. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/iter.htm		George Fonger (LO), Pertti Hakkinen (LO)	35,000		
LactMed (Drugs and Lactation Database)	Find information about maternal and infant drug levels, possible effects on lactation and on breastfed infants, and alternative drugs to consider. A TOXNET database.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/lactmed.htm	This resource has been integrated into NCBI's Books.	Lucie Chen (LO)	20,000		
LactMed Mobile App for iPhone/iPod Touch/Android Devices	Find information about maternal and infant drug levels, possible effects on lactation and on breastfed infants, and alternative drugs to consider. Mobile version	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/help/lactmedapp.htm		Ying Sun (OCCS), Jennifer Dong (OCCS)	0		
LiverTox	Provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and management of liver injury attributable to prescription and nonprescription medications, herbals and dietary supplements. A collaboration with NIDDK.	Toxicology/Enviro Health/Chemicals	External	https://livertox.nih.gov/		Pertti Hakkinen (LO)	SIS: $106,000 NIDDK: $90,000	90,000	$106K from SIS base budget; $90K from NIDDK DC
NIH Disaster Research Response (DR2)	DR2 is the national framework for research on the medical and public health aspects of disasters and public health emergencies. A collaboration with NIEHS.	Disaster/Public Health Emergency	External	https://dr2.nlm.nih.gov		Siobhan Champ-Blackwell (LO), Jen Pakiam (LO), Stacey Arnesen (LO)	NIEHS:$100,000	100,000	DC from NIEHS fully funds this project
Outreach Resources and Activites	Population specific Web-based resources.	Special Population Outreach	External	https://sis.nlm.nih.gov/outreach.html		Laura Bartlett (LO)	0		
Pathways for Public Health Information	Guides to Web resources on environmental health and toxicology, disasters, chemicals, drugs, and special populations.	Toxicology/Enviro Health/Chemicals	External	https://sis.nlm.nih.gov/pathway.html	This site will retire in 2018.	Colette Hochstein (LO)	0		
Pillbox	Pillbox enables rapid identification of unknown solid-dosage medications (tablets/capsules) based on physical characteristics and high-resolution images.	Toxicology/Enviro Health/Chemicals	External	https://pillbox.nlm.nih.gov/		David Hale (OCCS), Quynh-Thu Nguyen (OCCS)	40,000		

Pillbox API	Provides access to the pharmaceutical identification and reference system, data, and medication images.	Toxicology/Enviro Health/Chemicals	External	http://pillbox.nlm.nih.gov/API-documentation.html		David Hale (OCCS), Quynh-Thu Nguyen (OCCS)	0		
Radiation Emergency Medical Management (REMM)	Designed for health care providers, primarily physicians, without formal expertise in radiation safety or radiation medicine who may provide medical care during an accidental or non-accidental radiation event. A collaboration with HHS/ASPR.	Disaster/Public Health Emergency	External	https://www.remm.nlm.gov/		Jen Pakiam (LO)	ASPR: $37,000	37,000	Fully funded by IAA from ASPR
Radiation Emergency Medical Management (REMM) Mobile	Guidance for health care providers on the diagnosis and treatment of radiation injuries during radiation and nuclear emergencies via a mobile app. A collaboration with HHS/ASPR. Available on Apple's iOS devices, and Android devices	Disaster/Public Health Emergency	External	https://www.remm.nlm.gov/downloadmremm.htm		Jen Pakiam (LO)	ASPR: $10,500	10,500	Fully funded by IAA from ASPR
SIS Main Web	SIS' home page showcasing the information resources covering toxicology, environmental health, HIV/AIDS, outreach to underserved and special populations, HIV/AIDS, drugs and household products, and disaster/emergency preparedness and response.	All	External	https://sis.nlm.nih.gov		Colette Hochstein (LO)	0		
Substance Registration System (FDA)	A joint FDA/USP project to support health information technology initiatives by generating unique ingredient identifiers (UNIIs) for substances in drugs, biologics, foods, and devices. A collaboration with FDA.	Toxicology/Enviro Health/Chemicals	External	https://fdasis.nlm.nih.gov		Ying Sun (OCCS), Jeanne Goshorn (LO)	FDA: $150,000	150,000	Fully funded by IAA from FDA
Tox App	A free mobile app for iOS users based on the web-based NLM TOXMAP. Tox-App includes ~465 chemicals that were released on-site in TRI2016.	Toxicology/Enviro Health/Chemicals	External	https://itunes.apple.com/us/app/tox-app/id1227471020?mt=8		Colette Hochstein (LO), Ying Sun (OCCS)	0		
Tox Town	Interactive guide to toxic chemicals and environmental health risks. A consumer health information resource.	Toxicology/Enviro Health/Chemicals	External	https://toxtown.nlm.nih.gov/		Alla Keselman (LO)	200,000		
Toxicology Literature Online (TOXLINE)	Over 4 million references to literature on biochemical, pharmacological, physiological, and toxicological effects of drugs and other chemicals. A TOXNET database	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/toxline.htm	This resource will be integrated into NCBI's PubMed.	Jeanne Goshorn (LO)	0		

Toxicology Tutorials	College-level tutorials on the basic principles of toxicology, toxicokinetics, and cellular toxicology.	Toxicology/Enviro Health/Chemicals	External	https://toxtutor.nlm.nih.gov/		Pertti Hakkinen (LO)	50,000		
Toxics Release Inventory (TRI)	Annual estimated releases of toxic chemicals into the environment by industrial facilities in the United States.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/newtoxnet/tri.htm		Colette Hochstein (LO)	0		
ToxLearn	An online learning tool providing an introduction to toxicology fundamentals. A collaboration with the Society of Toxicology	Toxicology/Enviro Health/Chemicals	External	https://toxlearn.nlm.nih.gov	This site will retire in 2018.	Jeanne Goshorn (LO)	0		
TOXMAP	Uses maps of the United States to show the amount and location of toxic chemicals released into the environment.	Toxicology/Enviro Health/Chemicals	External	https://toxmap.nlm.nih.gov/	This site will retire in 2019.	Colette Hochstein (LO)	0		
ToxMystery	Interactive learning site on toxic substances for children 7-10 years old.	Toxicology/Enviro Health/Chemicals	External	https://toxmystery.nlm.nih.gov/	This site will retire in 2018.	Alla Keselman (LO)	0		
TOXNET (Toxicology Data Network)	A cluster of databases covering toxicology, hazardous chemicals, environmental health and related areas.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/	This resource will be integrated into NCBI's PubChem, PubMed, and Books.	Phillip Thomas (OCCS)	330,000		IT contract for software dev, data processing, etc., Not include the IT system/infrastructure support
TOXNET API	TOXNET API offers a RESTful Web Service API that allows users to search TOXNET databases with keywords.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/toxnetapi/TOXNETWebService.html	This service will retire after TOXNET integration with NCBI is complete.	Phillip Thomas (OCCS)	0		
TOXNET Mobile	Easy to use, mobile-optimized Web interface to the TOXNET databases, covering toxicology, hazardous chemicals, environmental health and related areas.	Toxicology/Enviro Health/Chemicals	External	https://toxnet.nlm.nih.gov/pda/	This service will retire after TOXNET integration with NCBI is complete.	Phillip Thomas (OCCS)	0		
Wireless Information System for Emergency Responders (WISER)	Assists first responders in hazardous material incidents. WISER provides a wide range of information on hazardous substances, including substance identification support, physical characteristics, human health information, and containment and suppression guidance. WISER is available as a standalone application on Windows PCs, Apple's iOS devices, and Android devices.	Disaster/Public Health Emergency	External	https://wiser.nlm.nih.gov/		Jen Pakiam (LO), Pertti Hakkinen (LO), Stacey Arnesen (LO)	SIS: $350,000 Additional fundings from DOT, ASPR	IAA fundings from DOT, ASPR, etc. Amount varies	Software dev, mobile app dev contractor; $350K from SIS base budget; additional IAA fundings from DOT, ASPR, etc. Amount varies
Working groups									

Digital communication Working Group	Social media outreach and engagement to audience groups. Twitter handles include: NLM_SIS, NLM_DIMRC, NLM_HIV, AIDSinfo. Facebook: AIDSinfo. Listservs: Granicus/GovDelivery		External	https://www.nlm.nih.gov/socialmedia/		Siobhan Champ-Blackwell (LO), David Hale (OCCS), Lucie Chen (LO), Colette Hochstein (LO)	50,000		
Visuzliation Working Group	Explores visualization platforms (e.g. Tableau), principles, best practices. Produces prototypes of visualizations using different platforms and techniques		External/ Internal	https://healthreach.nlm.nih.gov/data-viz		Colette Hochstein (LO), Jennifer Dong (OCCS), Jeanne Goshorn (LO)			
SIS Resource Working Group	Provides coordination, guidance, and oversight to all SIS information products and services		Internal			Colette Hochstein (LO), Jeanne Goshorn (LO), Stacey Arnesen (LO), Laura Bartlett (LO), Cheryl White (LO), Phillip Thomas (OCCS)			

From: Brennan, Patti (NIH/NLM) [E]
Sent: 10 Jan 2019 20:43:56 +0000
To: Brennan, Patti (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Pfister, Troy (NIH/NLM/LHC) [E];Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E]
Subject: Review of LO and SIS Offerings
Attachments: 4.b.1 NPA Phase 1 Initial Inventory of NLM Offerings[3].xlsx

HI Joyce, Diane and Florence
I understand that Florence is meeting with Wei Ma to review the technical needs following the transfer of SIS offerings. In addition, Florence and I met yesterday and determined that to make progress, we three should meet. I would like to meet to discuss the next action steps regarding the SIS-based offerings (information and outreach) so that we are able to go to the next step in planning for the implementation of the strategic plan.

Florence, you are welcome to bring Janice if you like

Please plan to meet with me on Wednesday -I've held 11-1 but we may be able to make it through more quickly.

Patti

MITRE

Project Deliverable 4.b.1

Preliminary Inventory of National Library of Medicine Public-Facing Offerings

CAMH FFRDC Strategic Support for National Library of Medicine

Task Order No. HHSN276201800082U

November 16, 2018

MITRE Point of Contact:
Beth Melby
NLM Portfolio Analysis (NPA) Task Lead
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MITRE
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This MITRE tutes MITRE's submission of a *preliminary inventory of National Library of Me c-facing offerings.*

Inventory data included in this deliverable was collected during NLM Portfolio Analysis (NPA) Phase 1 data collection activities from October 23rd through November 16th.

NPA data cleansing and quality review is a time intensive process. MITRE's data cleansing approach included multiple interactions with NLM Division representatives responsible for NPA submissions before and after data submissions. Interactions focused on clarifying offerings, their purpose, and other basic offering details. MITRE also compared submissions from different NLM organizations to ensure a standardized approach to the data presented. Finally, MITRE also recommended revisions to submissions, when appropriate, to ensure submissions followed the NPA data call methodology.

This preliminary NLM inventory contains data submitted from the NLM organizations listed below. Incomplete submissions are also noted in the list as blank submission dates.

Because data cleansing activities are on-going and several submissions outstanding, some offering details presented in the final NPA inventory will be different from this preliminary inventory.

NLM Division/Office	Sub-Org	Submission Date
Extramural Programs	N/A	29-Oct
Library Operations	Technical Services Div	30-Oct
Library Operations	History of Medicine	30-Oct
Library Operations	Public Service Division	2-Nov
Library Operations	National Info Center on Health Services Research	
Library Operations	Biographic Services Division	7-Nov
Library Operations	National Network Coordinating Office	
Lister Hill Center	N/A	1-Nov
NCBI	IEB	5-Nov
NCBI	CBB	
SIS	Office of Clinical Toxicology	8-Nov
SIS	Biomedical Info Services	8-Nov
SIS	Biomedical Files Implementation	8-Nov
SIS	Disaster Info Management	8-Nov
SIS	Outreach & Special Populations	8-Nov
OCPL	N/A	

v11162018

National Library of Medicine
Inventory of Public-Facing Offerings

NLM Portfolio Assessment (NPA) Phase 1 Data Call Preliminary Results

Distribution of Offerings by NLM Divisions

National Library of Medicine
Inventory of Public-Facing Offerings

Offering Name	Offering Short Description	Red, Yellow, Green	Offering Type	Primary Organization Name	API Access	Raw Data FTP	Software	Website Access	Print Media
AIDSinfo	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to deliver AIDSinfo, a resource providing information on HIV/AIDS clinical trials and federally approved HIV treatment and prevention guidelines, information on HIV/AIDS treatment, clinical trials, and other HIV/AIDS-related research information for health care providers, researchers, people affected by HIV/AIDS, and the general public. The		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x	
AIDSsource	AIDSource offers access to a comprehensive collection of HIV/AIDS-related resources reviewed and selected by expert information specialists and librarians. Materials are available in Spanish materials as well.		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x	
AltBib	AltBib provides resources on Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.		Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x	
American Indian Health	American Indian Health is a source for information about the health and well being of Native Americans and Alaska Natives. Portal to be sunset in FY2019.		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x	
Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of northern peoples. Portal to be sunset in FY2019.		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x	
Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass-casualty chemical incident.		Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x	
ChemIDplus	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM and other databases and resources, including links to federal, state and international agencies.		Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x	
Common Data Element (CDE) Repository	The NIH Common Data Element (CDE) Repository provides access to structured human and machine-readable definitions of data elements that have been recommended or required by NIH Institutes and Centers and other organizations for use in research and		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x	
DailyMed	DailyMed provides trustworthy information about marketed drugs in the United States. DailyMed is the official provider of FDA label information (package inserts).		Digital Service	Library Operations (LO) / Bibliographic Services Division	x	x		x	
Data Discovery	The NLM open data discovery site, presented via the Socrata platform, provides easy interface to view, filter, download, visualize, and explore datasets.		Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x			x	
Data Distribution Program	The Data Distribution Program is an NLM program, coordinated and supported by MMS, which provides access and support to users accessing FTP files for various NLM data sets.		Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section		x		x	
Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products sold in the United States. DSID is a collaboration with NIH's Office of Dietary Supplements and USDA.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x	
Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label derived information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. DSLD is a collaboration with		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x	
Digital Collections	NLM Digital Collections comprises texts, images, audiovisuals, maps and software. Includes both scanned and born digital items.		Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	x			x	
Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and technology for disaster and public health emergency preparedness, response, and recovery. The focus is to connect people to quality disaster and public health emergency information and foster a culture of community		Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x	
Disaster Lit: Database for Disaster Medicine and Public Health	Disaster Lit, the Database for Disaster Medicine and Public Health, contains links to disaster medicine and public health emergency resources available on the Internet at no cost. Resources include guidelines, research reports, training classes, fact sheets, website, databases, data sets, and similar materials.		Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x	
DOCLINE	DOCLINE is an automated interlibrary loan (ILL) request routing system facilitating resource sharing among libraries in the National Network of Libraries of Medicine		Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section				x	
Drug Information Portal	The Drug Information Portal contains information for over 55,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites. Same backend database as ChemIDplus.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x	
Enviromental Health Student Portal	The Enviromental Health Student Portal provides educational resources for middle school students and educators.		Digital Service	Specialized Information Services (SIS) / Office of the Director				x	
Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental health and toxicology.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x	
GeneEd	GeneEd is a portal of genetic topics such as cell biology, DNA, genes, epigenetics and more for students and teachers. Information from the site will be merged with Genetics Home Reference in spring 2019.		Digital Service	Specialized Information Services (SIS) / Office of the Director				x	
Genetics Home Reference	Genetics Home Reference is a consumer health resource that provides information for the general public about the effects of genetic variation on human health.		Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x	
Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 6,000 chemicals. A TOXNET database.		Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x	
HazMap	Haz-Map is an occupational health database designed for health and safety professionals and for consumers seeking information about the adverse effects of workplace exposures to chemical and biological agents. The main links in Haz-Map are		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x	

HealthReach	HealthReach is a database of easy to read, multilingual health information for those working with or providing care to individuals with limited English proficiency.		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		
HMD Circulating Now Blog	Circulating Now raises awareness of the historical collections of the National Library of Medicine and informs the public about the resources, services, events and activities of the NLM History of Medicine Division.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD Digital Gallery	HMD Digital Gallery is an online presentation of curated digitized content that links audiences to Digital Collections. Curated assets that comprise Digital Galleries support and enhance online exhibitions' content. Currently, every Digital Gallery is connected to		Digital Service	Library Operations (LO) / History of Medicine Division/ Exhibitions Section				x		
HMD Directory of History of Medicine Collections (DHMC)	HMD Directory of History of Medicine Collections (DHMC) is a public-facing database containing information on collections in the history of health sciences all around the		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD FDA Notices of Judgment	HMD FDA Notices of Judgment is a public interface to the digital archive of the FDA Notices of Judgment		Digital Service	Library Operations (LO) / History of Medicine Division	x			x		
HMD Finding Aids	The HMD Finding Aids web site is a comprehensive online system that allows patrons to discover the unique personal paper and archival collections held by NLM through progressively detailed descriptions of a collection's component parts.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD Finding Aids Consortium	The History of Medicine Finding Aids Consortium is a discovery tool providing keyword search services across a union catalog of finding aids describing archival collections broadly related to the history of medicine and its allied sciences.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD IndexCat	HMD IndexCat is the public facing database which provides direct access to the digital version of the Index-Catalogue of the Library of the Surgeon General's Office, the electronic Thorndike and Kibre (eTK for medieval Latin texts), and the electronic Voigts		Digital Service	Library Operations (LO) / History of Medicine Division		x		x		
HMD Medicine on Screen	Medicine on Screen is a curated portal to selected films from the National Library of Medicine's collection of over 10,000 historic audio visual titles.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD Online Exhibitions	HMD Online Exhibitions is an adaptation of exhibition content to the online environment.		Digital Service	Library Operations (LO) / History of Medicine Division/ Exhibitions Section				x		
HMD Profiles in Science	Profiles in Science documents the work of leaders in biomedical research and public health using their archival collections.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD Web Collection	HMD Web Collection is the public facing offering which searches the internet for web		Digital Service	Library Operations (LO) / History of Medicine Division				x		
Household Products Database	The Household Products Database links consumer brands to health effects from Safety Data Sheets provided by manufacturers and allows scientists and consumers to research potential health effects of chemicals in more than 18,000 common household products. based on chemical ingredients. A TOXNET database.		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		
Integrated Risk Information System (IRIS)	Integrated Risk Information System (IRIS) contains data in support of human health risk assessment, including hazard identification and dose-response assessments. It is compiled by the U.S. EPA and contains descriptive and quantitative information related to human cancer and non-cancer health effects that may result from exposure to		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		
International Toxicity Estimates for Risk (ITER)	International Toxicity Estimates for Risk includes risk information for over 600 chemicals from authoritative groups worldwide. A TOXNET database.		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		
Journal Donation	Journal donation provides a method for libraries to search NLM journal holdings in order to offer surplus journal issues/volumes from institutional collections to fill gaps in		Digital Service	Library Operations (LO) / Public Services Division / Preservation and Collection Management Section				x		
LactMed	LactMed, a Drugs and Lactation Database, provides information on drugs and other chemicals to which breastfeeding mothers may be exposed. Find information about maternal and infant drug levels, possible effects on lactation and on breastfed infants, and alternative drugs to consider. A TOXNET database.		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x	x	x		
LinkOut for Libraries	LinkOut is a service through NCBI/PubMed which allows users to link directly from PubMed and other NCBI databases to a wide range of information and services beyond		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section			x	x		
LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and management of liver injury attributable to prescription and nonprescription medications, herbals and dietary supplements. A collaboration with National Institute of Diabetes and Digestive and Kidney Diseases		Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		
Loansome Doc	Loansome Doc allows users to order full-text copies of biomedical literature from a medical library (local fees and delivery methods may apply). Users must register with a participating library to use this service.		Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section				x		
LocatorPlus	LocatorPlus is a MARC-based catalog of books, journals, audiovisuals, electronic resources, and other materials, including holdings and availability.		Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section		x		x		
LSTRC Publisher Web Form	The Literature Selection Technical Review Committee (LSTRC) is a federal advisory committee that meets three times a year to review and recommend journals for inclusion in MEDLINE. The system allows publishers and editors to submit the required application for a journal to be considered for inclusion in MEDLINE.		Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section				x		
MEDLINE	MEDLINE is a database of citations from biomedical journal articles that have been indexed with MeSH terminology and additional metadata assigned and accessed		Data	Library Operations (LO) / Bibliographic Services Division / Index Section	x	x		x		
MedlinePlus Connect	MedlinePlus Connect (https://medlineplus.gov/connect/) helps patients and health care providers access consumer health information at the point of care in a health IT system (e.g. patient portals, patient health record systems, and electronic health record systems).		Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x		

MedlinePlus	MedlinePlus.gov is a consumer health resource that offers reliable, up-to-date information on a wide variety of health topics in English and Spanish for patients,		Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x		
MeSH RDF	Medical Subject Headings in Resource Description Format (MeSH RDF) is a linked data representation of the MeSH biomedical vocabulary. MeSH RDF includes a downloadable file in RDF N-Triples format, a SPARQL query editor, a SPARQL endpoint (API), and a		Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section	x			x		
MeSH Vocabulary	The Medical Subject Headings (meSH) vocabulary is a hierarchically-organized controlled medical terminology, used for indeixng, cataloging and searching.		Product	Library Operations (LO) / Office of the Director / Medical Subject Headings Section	x	x	x	x		
MMS Outreach & Training	MMS Outreach & Training includes classes, training resources, and news sources to help users learn about a variety of NLM resources, mostly those produced outside MMS.		Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x			x		
NIH Disaster Research Response Program (DR2)	The NIH NIH Disaster Research Response Program (DR2) program is a collaboration between National Institute of Environmental Health Sciences (NIEHS) and NLM with the potential for additional NIH Institutes and Centers to join. DR2 is the national framework for research on the medical and public health aspects of disasters and public		Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x		
NLM Classification	The NLM Classification scheme allows for the arrangement of any medical library collection, created and maintained by NLM. NLM uses the Classification Editor to		Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section				x		
NLM Physical Collection	NLM Physical Collection is the world's largest and most comprehensive medical library, with rich collections in a variety of physical formats spanning ten centuries and originating from nearly every part of the globe. The Library collects materials in all areas of biomedicine, health care and the history of medicine as well as works on biomedical aspects of the humanities, physical, social and life sciences.		Product	Library Operations (LO)				x	x	
NLM Main Web	The NLM Main Web hosts thousands of NLM sites providing a broad range of services to users across the globe. Over 1 million users access NLM Main Web pages quarterly to search for and access NLM products.		Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section				x		
NLM Products and Services Directory	The NLM Products and Services Directory is a website that provides a searchable directory of ~ 281 NLM products and services.		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x			x		
Pillbox	Pillbox enables rapid identification of unknown solid-dosage medications (tablets/capsules) based on physical characteristics and high-resolution images.		Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x			x		
Radiation Emergency Medical Management (REMM)	Radiation Emergency Medical Management (REMM) is a resource to assist healtcare providers diagnosis and treat a variety of radiation injuries.		Digital Service	Specialized Information Services (SIS) / Office of the Director			x	x		
RxNorm	RxNorm provides normalized names for clinical drugs and links its names to many of the drug vocabularies commonly used in pharmacy management and drug interaction		Data	Library Operations (LO) / Bibliographic Services Division	x	x	x	x		
SFX	An OpenURL link resolver that provides access to full-text based on user rights, and provides links from article citations to full text licensed and free-access journals.		Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section				x		
SIS main website	The SIS main website provides access to the resources offered by SIS, in the areas of toxicology and environmental heatlh, chemistry, HIV/AIDS, disaster health, and topics relevant to specific populations.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		
SNOMED CT	SNOMED CT is a comprehensive, multilingual health terminology, allowing health information to be shared consistently within and across healthcare settings.		Data	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section		x		x		
Substance Registration System	The Substance Registration System is a joint FDA/USP project to support health information technology initiatives by generating unique ingredient identifiers (UNIIs) for substances in drugs, biologics, foods, and devices. A collaboration with FDA.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		
Tox Mystery	Tox Mystery is an interactive game about toxic substances for children ages 7-10. Site will be sunset in fall of 2018.		Digital Service	Specialized Information Services (SIS) / Office of the Director				x		
Tox Town	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals.		Digital Service	Specialized Information Services (SIS) / Office of the Director				x		
Tox Tutor	tox Tutor provides college-level tutorials on the basic principles of toxicology, toxicokinetics, cellular toxicology, and related topics, e.g., exposure science and risk assessment. It is a self-paced tutorial covering key principles of toxicology for users of the NLM chemical and toxicology databases.		Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		
ToxMap	TOXMAP: Environmental Health Maps provides searchable, interactive maps of EPA TRI and Superfund data, plus US Census and NCI health data		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch			x	x		
TOXNET	TOXNET is a search system for a cluster of databases covering toxicology, hazardous chemicals, environmental health and related areas.		Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x	x		x		
Unified Medical Language System (UMLS)	The Unified Medical Language System (UMLS) is a set of files and software that brings together many health and biomedical vocabularies and standards to enable interoperability between computer systems.		Data	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x		
Value Set Authority Center (VSAC)	Value Set Authority Center (VSAC) is a repository and authoring tool for public value sets created by external programs. Value sets are lists of codes and corresponding terms, from NLM-hosted standard clinical vocabularies, that define clinical concepts to support effective and interoperable health information exchange.		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x		
Wireless Information System for Emergency Responders (WISER)	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, managers, and healthcare providers in hazardous materials		Product	Specialized Information Services (SIS) / Disaster Information Management Research Center			x	x		

From: Brennan, Patti (NIH/NLM) [E]
Sent: 16 Jan 2019 09:23:52 -0500
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: <no subject>
Attachments: temp.xlsx

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

MITRE

Project Deliverable 4.b.1

Preliminary Inventory of National Library of Medicine Public-Facing Offerings

CAMH FFRDC Strategic Support for National Library of Medicine

Task Order No. HHSN276201800082U

November 16, 2018

MITRE Point of Contact:
Beth Melby
NLM Portfolio Analysis (NPA) Task Lead
bmelby@mitre.org

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This MITRE tutes MITRE's submission of a *preliminary inventory of National Library of Me c-facing offerings.*

Inventory data included in this deliverable was collected during NLM Portfolio Analysis (NPA) Phase 1 data collection activities from October 23rd through November 16th.

NPA data cleansing and quality review is a time intensive process. MITRE's data cleansing approach included multiple interactions with NLM Division representatives responsible for NPA submissions before and after data submissions. Interactions focused on clarifying offerings, their purpose, and other basic offering details. MITRE also compared submissions from different NLM organizations to ensure a standardized approach to the data presented. Finally, MITRE also recommended revisions to submissions, when appropriate, to ensure submissions followed the NPA data call methodology.

This preliminary NLM inventory contains data submitted from the NLM organizations listed below. Incomplete submissions are also noted in the list as blank submission dates.

Because data cleansing activities are on-going and several submissions outstanding, some offering details presented in the final NPA inventory will be different from this preliminary inventory.

NLM Division/Office	Sub-Org	Submission Date
Extramural Programs	N/A	29-Oct
Library Operations	Technical Services Div	30-Oct
Library Operations	History of Medicine	30-Oct
Library Operations	Public Service Division	2-Nov
Library Operations	National Info Center on Health Services Research	
Library Operations	Biographic Services Division	7-Nov
Library Operations	National Network Coordinating Office	
Lister Hill Center	N/A	1-Nov
NCBI	IEB	5-Nov
NCBI	CBB	
SIS	Office of Clinical Toxicology	8-Nov
SIS	Biomedical Info Services	8-Nov
SIS	Biomedical Files Implementation	8-Nov
SIS	Disaster Info Management	8-Nov
SIS	Outreach & Special Populations	8-Nov
OCPL	N/A	

v11162018

National Library of Medicine
Inventory of Public-Facing Offerings

NLM Portfolio Assessment (NPA) Phase 1 Data Call Preliminary Results

Distribution of Offerings by NLM Divisions

National Library of Medicine
Inventory of Public-Facing Offerings

Offering Name	Offering Short Description	Red, Yellow, Green	Offering Type	Primary Organization Name	API Access	Raw Data FTP	Software	Website Access	Print Media
AIDSinfo	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to deliver AIDSinfo, a resource providing information on HIV/AIDS clinical trials and federally approved HIV treatment and prevention guidelines, information on HIV/AIDS treatment, clinical trials, and other HIV/AIDS-related research information for health care providers, researchers, people affected by HIV/AIDS, and the general public. The		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x	
AIDSsource	AIDSource offers access to a comprehensive collection of HIV/AIDS-related resources reviewed and selected by expert information specialists and librarians. Materials are available in Spanish materials as well.		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x	
AltBib	AltBib provides resources on Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.		Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x	
American Indian Health	American Indian Health is a source for information about the health and well being of Native Americans and Alaska Natives. Portal to be sunset in FY2019.		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x	
Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of northern peoples. Portal to be sunset in FY2019.		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x	
Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass-casualty chemical incident.		Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x	
ChemIDplus	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM and other databases and resources, including links to federal, state and international agencies.		Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x	
Common Data Element (CDE) Repository	The NIH Common Data Element (CDE) Repository provides access to structured human and machine-readable definitions of data elements that have been recommended or required by NIH Institutes and Centers and other organizations for use in research and		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x	
DailyMed	DailyMed provides trustworthy information about marketed drugs in the United States. DailyMed is the official provider of FDA label information (package inserts).		Digital Service	Library Operations (LO) / Bibliographic Services Division	x	x		x	
Data Discovery	The NLM open data discovery site, presented via the Socrata platform, provides easy interface to view, filter, download, visualize, and explore datasets.		Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x			x	
Data Distribution Program	The Data Distribution Program is an NLM program, coordinated and supported by MMS, which provides access and support to users accessing FTP files for various NLM data sets.		Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section		x		x	
Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products sold in the United States. DSID is a collaboration with NIH's Office of Dietary Supplements and USDA.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x	
Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label derived information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. DSLD is a collaboration with		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x	
Digital Collections	NLM Digital Collections comprises texts, images, audiovisuals, maps and software. Includes both scanned and born digital items.		Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	x			x	
Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and technology for disaster and public health emergency preparedness, response, and recovery. The focus is to connect people to quality disaster and public health emergency information and foster a culture of community		Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x	
Disaster Lit: Database for Disaster Medicine and Public Health	Disaster Lit, the Database for Disaster Medicine and Public Health, contains links to disaster medicine and public health emergency resources available on the Internet at no cost. Resources include guidelines, research reports, training classes, fact sheets, website, databases, data sets, and similar materials.		Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x	
DOCLINE	DOCLINE is an automated interlibrary loan (ILL) request routing system facilitating resource sharing among libraries in the National Network of Libraries of Medicine		Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section				x	
Drug Information Portal	The Drug Information Portal contains information for over 55,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites. Same backend database as ChemIDplus.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x	
Enviromental Health Student Portal	The Enviromental Health Student Portal provides educational resources for middle school students and educators.		Digital Service	Specialized Information Services (SIS) / Office of the Director				x	
Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental health and toxicology.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x	
GeneEd	GeneEd is a portal of genetic topics such as cell biology, DNA, genes, epigenetics and more for students and teachers. Information from the site will be merged with Genetics Home Reference in spring 2019.		Digital Service	Specialized Information Services (SIS) / Office of the Director				x	
Genetics Home Reference	Genetics Home Reference is a consumer health resource that provides information for the general public about the effects of genetic variation on human health.		Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x	
Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 6,000 chemicals. A TOXNET database.		Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x	
HazMap	Haz-Map is an occupational health database designed for health and safety professionals and for consumers seeking information about the adverse effects of workplace exposures to chemical and biological agents. The main links in Haz-Map are		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x	

HealthReach	HealthReach is a database of easy to read, multilingual health information for those working with or providing care to individuals with limited English proficiency.		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		
HMD Circulating Now Blog	Circulating Now raises awareness of the historical collections of the National Library of Medicine and informs the public about the resources, services, events and activities of the NLM History of Medicine Division.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD Digital Gallery	HMD Digital Gallery is an online presentation of curated digitized content that links audiences to Digital Collections. Curated assets that comprise Digital Galleries support and enhance online exhibitions' content. Currently, every Digital Gallery is connected to		Digital Service	Library Operations (LO) / History of Medicine Division/ Exhibitions Section				x		
HMD Directory of History of Medicine Collections (DHMC)	HMD Directory of History of Medicine Collections (DHMC) is a public-facing database containing information on collections in the history of health sciences all around the		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD FDA Notices of Judgment	HMD FDA Notices of Judgment is a public interface to the digital archive of the FDA Notices of Judgment		Digital Service	Library Operations (LO) / History of Medicine Division	x			x		
HMD Finding Aids	The HMD Finding Aids web site is a comprehensive online system that allows patrons to discover the unique personal paper and archival collections held by NLM through progressively detailed descriptions of a collection's component parts.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD Finding Aids Consortium	The History of Medicine Finding Aids Consortium is a discovery tool providing keyword search services across a union catalog of finding aids describing archival collections broadly related to the history of medicine and its allied sciences.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD IndexCat	HMD IndexCat is the public facing database which provides direct access to the digital version of the Index-Catalogue of the Library of the Surgeon General's Office, the electronic Thorndike and Kibre (eTK for medieval Latin texts), and the electronic Voigts		Digital Service	Library Operations (LO) / History of Medicine Division		x		x		
HMD Medicine on Screen	Medicine on Screen is a curated portal to selected films from the National Library of Medicine's collection of over 10,000 historic audio visual titles.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD Online Exhibitions	HMD Online Exhibitions is an adaptation of exhibition content to the online environment.		Digital Service	Library Operations (LO) / History of Medicine Division/ Exhibitions Section				x		
HMD Profiles in Science	Profiles in Science documents the work of leaders in biomedical research and public health using their archival collections.		Digital Service	Library Operations (LO) / History of Medicine Division				x		
HMD Web Collection	HMD Web Collection is the public facing offering which searches the internet for web		Digital Service	Library Operations (LO) / History of Medicine Division				x		
Household Products Database	The Household Products Database links consumer brands to health effects from Safety Data Sheets provided by manufacturers and allows scientists and consumers to research potential health effects of chemicals in more than 18,000 common household products. based on chemical ingredients. A TOXNET database.		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		
Integrated Risk Information System (IRIS)	Integrated Risk Information System (IRIS) contains data in support of human health risk assessment, including hazard identification and dose-response assessments. It is compiled by the U.S. EPA and contains descriptive and quantitative information related to human cancer and non-cancer health effects that may result from exposure to		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		
International Toxicity Estimates for Risk (ITER)	International Toxicity Estimates for Risk includes risk information for over 600 chemicals from authoritative groups worldwide. A TOXNET database.		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		
Journal Donation	Journal donation provides a method for libraries to search NLM journal holdings in order to offer surplus journal issues/volumes from institutional collections to fill gaps in		Digital Service	Library Operations (LO) / Public Services Division / Preservation and Collection Management Section				x		
LactMed	LactMed, a Drugs and Lactation Database, provides information on drugs and other chemicals to which breastfeeding mothers may be exposed. Find information about maternal and infant drug levels, possible effects on lactation and on breastfed infants, and alternative drugs to consider. A TOXNET database.		Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x	x	x		
LinkOut for Libraries	LinkOut is a service through NCBI/PubMed which allows users to link directly from PubMed and other NCBI databases to a wide range of information and services beyond		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section			x	x		
LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and management of liver injury attributable to prescription and nonprescription medications, herbals and dietary supplements. A collaboration with National Institute of Diabetes and Digestive and Kidney Diseases		Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		
Loansome Doc	Loansome Doc allows users to order full-text copies of biomedical literature from a medical library (local fees and delivery methods may apply). Users must register with a participating library to use this service.		Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section				x		
LocatorPlus	LocatorPlus is a MARC-based catalog of books, journals, audiovisuals, electronic resources, and other materials, including holdings and availability.		Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section		x		x		
LSTRC Publisher Web Form	The Literature Selection Technical Review Committee (LSTRC) is a federal advisory committee that meets three times a year to review and recommend journals for inclusion in MEDLINE. The system allows publishers and editors to submit the required application for a journal to be considered for inclusion in MEDLINE.		Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section				x		
MEDLINE	MEDLINE is a database of citations from biomedical journal articles that have been indexed with MeSH terminology and additional metadata assigned and accessed		Data	Library Operations (LO) / Bibliographic Services Division / Index Section	x	x		x		
MedlinePlus Connect	MedlinePlus Connect (https://medlineplus.gov/connect/) helps patients and health care providers access consumer health information at the point of care in a health IT system (e.g. patient portals, patient health record systems, and electronic health record systems).		Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x		

MedlinePlus	MedlinePlus.gov is a consumer health resource that offers reliable, up-to-date information on a wide variety of health topics in English and Spanish for patients,		Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x		
MeSH RDF	Medical Subject Headings in Resource Description Format (MeSH RDF) is a linked data representation of the MeSH biomedical vocabulary. MeSH RDF includes a downloadable file in RDF N-Triples format, a SPARQL query editor, a SPARQL endpoint (API), and a		Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section	x			x		
MeSH Vocabulary	The Medical Subject Headings (meSH) vocabulary is a hierarchically-organized controlled medical terminology, used for indeixng, cataloging and searching.		Product	Library Operations (LO) / Office of the Director / Medical Subject Headings Section	x	x	x	x		
MMS Outreach & Training	MMS Outreach & Training includes classes, training resources, and news sources to help users learn about a variety of NLM resources, mostly those produced outside MMS.		Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x			x		
NIH Disaster Research Response Program (DR2)	The NIH NIH Disaster Research Response Program (DR2) program is a collaboration between National Institute of Environmental Health Sciences (NIEHS) and NLM with the potential for additional NIH Institutes and Centers to join. DR2 is the national framework for research on the medical and public health aspects of disasters and public		Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x		
NLM Classification	The NLM Classification scheme allows for the arrangement of any medical library collection, created and maintained by NLM. NLM uses the Classification Editor to		Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section				x		
NLM Physical Collection	NLM Physical Collection is the world's largest and most comprehensive medical library, with rich collections in a variety of physical formats spanning ten centuries and originating from nearly every part of the globe. The Library collects materials in all areas of biomedicine, health care and the history of medicine as well as works on biomedical aspects of the humanities, physical, social and life sciences.		Product	Library Operations (LO)				x	x	
NLM Main Web	The NLM Main Web hosts thousands of NLM sites providing a broad range of services to users across the globe. Over 1 million users access NLM Main Web pages quarterly to search for and access NLM products.		Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section				x		
NLM Products and Services Directory	The NLM Products and Services Directory is a website that provides a searchable directory of ~ 281 NLM products and services.		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x			x		
Pillbox	Pillbox enables rapid identification of unknown solid-dosage medications (tablets/capsules) based on physical characteristics and high-resolution images.		Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x			x		
Radiation Emergency Medical Management (REMM)	Radiation Emergency Medical Management (REMM) is a resource to assist healtcare providers diagnosis and treat a variety of radiation injuries.		Digital Service	Specialized Information Services (SIS) / Office of the Director			x	x		
RxNorm	RxNorm provides normalized names for clinical drugs and links its names to many of the drug vocabularies commonly used in pharmacy management and drug interaction		Data	Library Operations (LO) / Bibliographic Services Division	x	x	x	x		
SFX	An OpenURL link resolver that provides access to full-text based on user rights, and provides links from article citations to full text licensed and free-access journals.		Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section				x		
SIS main website	The SIS main website provides access to the resources offered by SIS, in the areas of toxicology and environmental heatlh, chemistry, HIV/AIDS, disaster health, and topics relevant to specific populations.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		
SNOMED CT	SNOMED CT is a comprehensive, multilingual health terminology, allowing health information to be shared consistently within and across healthcare settings.		Data	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section		x		x		
Substance Registration System	The Substance Registration System is a joint FDA/USP project to support health information technology initiatives by generating unique ingredient identifiers (UNIIs) for substances in drugs, biologics, foods, and devices. A collaboration with FDA.		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		
Tox Mystery	Tox Mystery is an interactive game about toxic substances for children ages 7-10. Site will be sunset in fall of 2018.		Digital Service	Specialized Information Services (SIS) / Office of the Director				x		
Tox Town	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals.		Digital Service	Specialized Information Services (SIS) / Office of the Director				x		
Tox Tutor	tox Tutor provides college-level tutorials on the basic principles of toxicology, toxicokinetics, cellular toxicology, and related topics, e.g., exposure science and risk assessment. It is a self-paced tutorial covering key principles of toxicology for users of the NLM chemical and toxicology databases.		Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		
ToxMap	TOXMAP: Environmental Health Maps provides searchable, interactive maps of EPA TRI and Superfund data, plus US Census and NCI health data		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch			x	x		
TOXNET	TOXNET is a search system for a cluster of databases covering toxicology, hazardous chemicals, environmental health and related areas.		Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x	x		x		
Unified Medical Language System (UMLS)	The Unified Medical Language System (UMLS) is a set of files and software that brings together many health and biomedical vocabularies and standards to enable interoperability between computer systems.		Data	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x		
Value Set Authority Center (VSAC)	Value Set Authority Center (VSAC) is a repository and authoring tool for public value sets created by external programs. Value sets are lists of codes and corresponding terms, from NLM-hosted standard clinical vocabularies, that define clinical concepts to support effective and interoperable health information exchange.		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x		
Wireless Information System for Emergency Responders (WISER)	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, managers, and healthcare providers in hazardous materials		Product	Specialized Information Services (SIS) / Disaster Information Management Research Center			x	x		

From: Nurik, Jody (NIH/OD) [E]
Sent: 18 Jan 2019 12:33:55 -0500
To: Cravedi, Kathleen (NIH/NLM) [E]
Subject: Re: SUNSETTING UPDATE

Thanks, Kathy.

From: "Cravedi, Kathleen (NIH/NLM) [E]" <cravedik@mail.nlm.nih.gov>
Date: Friday, January 18, 2019 at 12:23 PM
To: "Nurik, Jody (NIH/OD) [E]" <jody.nurik@nih.gov>
Subject: SUNSETTING UPDATE

Jody.

Sorry. I recall now that Grace was working on creating a sunset calendar for SIS, etc. I am uncertain where this stands [Personal Info]

Also, I need to review the automated sunsetting system Wei Ma and her team developed for sunsetting NLM services. Patti should know that it has been developed and is ready for us to demo as soon as we can next week. I will go ahead and schedule a time to do so today. If the system works well, we can (Alise?) start imputing the sunset requests that we have pending.

Attached are documents that will provide you with a status of the Sunsetting Process to date. You will find:

- 2 SIS Calendars of Services to be sunset, as well as background information received by OCPL to date. It includes SIS's external communications plan.
- A revised set of "Guidelines for Sunsetting NLM Products and Services" prepared by Candy Sagon

- Request to sunset CHIRR by SIS – to be taken down May 31, 2019
- Request to sunset UniGene by SIS – to be taken down May, 2019
- Request to sunset ToxLearn by SIS – Retired end of 2018
- Request to sunset ToxMap by SIS – to be retired at the end of FY2019
- Request to sunset NLM Exhibit System (NLM-only internal system)
- Request to sunset CPDB by SIS– to be taken down on May, 2019
- Request to sunset Tox Mystery by SIS – taken down on December 31, 2018
- Request to sunset GeneEd by SIS – to be taken down on March 31, 2019

Lastly, for your files, I am sending you my file on SUNSET which includes draft announcements about services that have been sunset and background materials on the sunsetting process.

From: Chang, Florence (NIH/NLM) [E]
Sent: 5 Feb 2019 18:57:57 +0000
To: Backus, Joyce (NIH/NLM) [E];Brennan, Patti (NIH/NLM) [E]
Subject: RE: Offerings summary
Attachments: Copy of SIS_BOR_update.xlsx

SIS offering chart updated with purple outreach.

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, February 5, 2019 1:52 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Subject: RE: Offerings summary

Purple it is. We didn't discuss outreach as it was not in the earlier version of the NPA inventory that we used.

I thought to add "high quality information" to this bullet, like having an advisory board or peer reviewed content.

- Give priority to resources that are unique, that are highly connected to an NLM offering, or clearly contribute to furthering the strategic plan

---

From: Backus, Joyce (NIH/NLM) [E]
Sent: Tuesday, February 5, 2019 1:44 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Subject: RE: Offerings summary

Love the chart, Florence. I think that maybe Outreach to special populations should be purple? We're not committing to continue the entire offering.

I drafted these considerations for our decisions following our reviews in your office, Patti. I think they need to be reviewed and edited by us and then shared with staff when we give them the decisions so they have an .

Considerations for maintaining, evolving or keeping an NLM offering

- NLM needs to end offerings to free resources to fund our new data direction for the Strategic Plan. Consider every offering and justify keeping it, or sunset it.
- NLM should consolidate information into as few platforms as practical for improved user experience, discoverability, and efficiency
- NLM is committed to support key offerings in toxicology and environmental health
- Give priority to resources that are unique, that are highly connected to an NLM offering, or clearly contribute to furthering the strategic plan
- Sunset offerings that don't have a clear sustainability or succession plan
- Sunset offerings if a sufficiently-equivalent offering is available from another organization

- Sunset offerings that have low or declining use
- Consider staff and contractor cost to sustain and upgrade the content and technology - nothing is free
- NLM shouldn't be a web provider for another agency/entity just because they pay
- Consider appropriate level of NLM commitment to disaster preparation information and K-12

Whether it is or not, this process is feeling very top down to me. Perhaps some staff are resigned to that and perhaps it's the best way to go, given the lack of time.

We talked about the next step would be to create the first working group to review and implement the changes to the chem/tox offerings.

Joyce

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, February 5, 2019 11:38 AM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: RE: Offerings summary

Patti,
We worked on the offering summary last week, but we plan to meet again this Thursday to continue. I attached the draft version of the offering summary, please note that we may make some changes to the data in the spreadsheet.

I also made a chart for my SIS update at the BOR. It shows:

1. The program area
2. The offering/cost
3. Status – red, green, yellow, purple

Please give us your feedback.

Florence

From: Brennan, Patti (NIH/NLM) [E]
Sent: Tuesday, February 5, 2019 11:23 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: Offerings summary

Hi Joyce and Florence

I understand from Troy that you are still working through the offerings list and we don't have a full timeline for resources that will be sunset or modified in some way.

I am going to meet with SIS next Wednesday and would appreciate having as much info as you have available by Monday. I realize that these decisions are hard to make, and I don't want to rush complex decisions. However, staff are seeking some certainty and your decisions are important here.

Please let me know if I can be of assistance.

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

AIDSinfo	AIDSource	AltBib	American Indian Health	Arctic Health	ChemIDplus	CHEMM	Data Discovery	DIMRC Website	Disaster Lit	DR2	Drug Information Portal	DSID	DSLD	Environmental Health and Toxicology Information	Environmental Health Student Portal	GeneEd	Haz-Map	HealthReach	Household Products Database	HSDB	IRIS	ITER	LactMed	LiverTox	Pillbox	REMM	SIS Main Website	SIS Outreach	Substance Registration System	Tox Mystery	Tox Town	Tox Tutor	TOXLINE	ToxMap	TOXNET	WISER
3,562,732	362,909	81,591	98,393	107,469	753,973	371,349	331,107	335,101	367,849	267,949	185,101	64,340	133,346	219,604	180,865	107,469	189,098	922,120	279,604	1,606,503	81,591	368,346	205,101	277,591	219,604	163,595	150,598	3,079,591	166,095	64,340	355,560	136,095	193,679	185,101	717,849	900,664

Program	Offering	Cost	Future
AIDS	***AIDSinfo***	3,562,732	yellow
	AIDSource	362,909	yellow
Public Health/ Disaster	***CHEMM***	371,349	yellow
	DIMRC Website	335,101	yellow
	Disaster Lit	367,849	yellow
	DR2	267,949	red
	REMM	163,595	yellow
	Health Reach	922,120	yellow
	WISER	900,664	yellow
K-12	***Environmental Student Portal***	180,865	red
	GeneEd	107,469	red
	Tox Mystery	64,340	red
Other	***Data Discovery***	331,107	yellow
	SIS Main Website	150,598	red
Outreach	***Am. Indian Health***	98,393	red
	Arctic Health	107,469	red
	Special Population Outreach	3,079,591	purple
Toxicology	***AltBib***	81,591	green
	ChemID+	753,973	yellow
	Drug Information Portal	185,101	yellow
	DSID	64,340	yellow
	DSLD	133,346	yellow
	TEHIP	219,604	red
	Haz-Map	189,098	red
	Household	279,604	yellow
	HSDB	1,606,503	green
	IRIS	81,591	green
	ITER	168,346	green
	LactMed	205,101	green
	LiverTox	277,591	yellow
	Pillbox	219,604	yellow
	Substance Registration	166,095	yellow
	Tox Town	355,560	green
	Tox Tutor	116,095	green
	TOXLINE	193,679	red
	ToxMap	185,101	red
	TOXNET	717,849	green

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	TOXLINE	193,679
	ToxMap	185,101
	TOXNET	717,849

From: Brennan, Patti (NIH/NLM) [E]
Sent: 6 Feb 2019 15:51:41 -0500
To: NLM Director's Office
Subject: Please print out pages 1 and 2 in color - thanks
Attachments: Copy of SIS_BOR_update.xlsx

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

AIDSinfo	AIDSource	AltBib	American Indian Health	Arctic Health	ChemIDplus	CHEMM	Data Discovery	DIMRC Website	Disaster Lit	DR2	Drug Information Portal	DSID	DSLD	Environmental Health and Toxicology Information	Environmental Health Student Portal	GeneEd	Haz-Map	HealthHic ach	Household Products Database	HSDB	IRIS	ITER	LactMed	LiverTox	Pillbox	REMM	SIS Main Website	SIS Outreach	Substance Registration System	Tox Mystery	Tox Town	Tox Tutor	TOXLINE	ToxMap	TOXNET	WISER
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	DR2	267,949	red
	REMM	163,595	yellow
	Health Reach	922,120	yellow
	WISER	900,664	yellow
K-12	*Environmental Student Portal*	180,865	red
	GeneEd	107,469	red
	Tox Mystery	64,340	red
Other	*Data Discovery*	331,107	yellow
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	Arctic Health	107,469	red
	Special Population	3,079,591	purple
Toxicology	*AltBib*	81,591	green
	ChemID+	753,973	yellow
	Drug Information Portal	185,101	yellow
	DSID	64,340	yellow
	DSLD	133,346	yellow
	TEHIP	219,604	red
	Haz-Map	189,098	red
	Household	279,604	yellow
	HSDB	1,606,503	green
	IRIS	81,591	green
	ITER	168,346	green
	LactMed	205,101	green
	LiverTox	277,591	yellow
	Pillbox	219,604	yellow
	Substance Registration	166,095	yellow
	Tox Town	355,560	green
	Tox Tutor	116,095	green
	TOXLINE	193,679	red
	ToxMap	185,101	red
	TOXNET	717,849	green

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	ToxMap	185,101
	TOXNET	717,849

From: Backus, Joyce (NIH/NLM) [E]
Sent: 7 Feb 2019 16:30:54 +0000
To: Babski, Dianne (NIH/NLM) [E]
Subject: FW: offerings
Attachments: Copy of 3 Temp with Colors added Feb 5.xlsx

From: Backus, Joyce (NIH/NLM) [E]
Sent: Wednesday, February 6, 2019 4:37 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: offerings

	Chem/Tox	Drug information	Consumer health	Disaster information	Data distribution	AIDS	Outreach & Training
	Florence Chang	**Joyce Backus**					
Senior	**Jim Ostell**	**Clem McDonald**					
Leader(s)	**Joyce Backus**	**Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman - report	Barbara Bushman	NLM/OD with NIH, HRSA, etc	Amanda Wilson
Members	Evan Bolton	David Hale	Laura Bartlett	NNCO	Mike Davidson or David Anderson		
	Stacy Lathrop	Olivier Bodenreider	Colette Hochstein	Lisa Sedlar	Eric Sayers		
	Bert Hakkinen	Tammy Powell or Chris Hui	Fedora Braverman	Siobhan Champ-Blackwell	Rebecca Goowin		
	Jean Goshorn	Patrick McLaughlin or team member	OCPL		David Hale		
	Jim Pash	Jen Jentsch	NNCO		OCCS		
		Duq Nguyen or team member	MMS-training		LHC		
		Wei Ma or team member					
		NCBI?					

Offering Name	Offering Short Description	Red, Yellow, Green	Column2	page views 2018	Timeline PY2018	working group	Offering Type	Primary Organization Name	API Access	New Data PPP	Software	Website Access	Print Media	Mandate Source Type	Mandate Reference	Primary Offering Owner Name	Congress	NIH	Researchers	Clinicians	Federal Agencies	Lay Public	NLM Internal	Commercial Entities	International Collaborators	Educators	Libraries/Librarians	Healthcare and Public Health orgs	Students	Proxy Publishers	Priority
AIDSinfo	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to develop AIDSinfo, a resource providing information on ongoing HIV/AIDS research and treatments. AIDSource offers access to a comprehensive collection of PMC/MEDLINE-indexed research reviewed and selected by expert scientific editors at the National Library of Medicine. Materials are available in English, Spanish, and French.	yellow	LD	8,573,396	May 2019 - Q4 2020	AIDS (GR, LG, CSB, CSAR, NARD)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x		NIH POLICY	https://s3.amazonaws.com/assets.datacite.org/publications/publication_files/1000.pdf	Nicole Saylor	x	x	x	x	x	x				x					3
AIDSource	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to develop AIDSinfo, a resource providing information on ongoing HIV/AIDS research and treatments. AIDSource offers access to a comprehensive collection of PMC/MEDLINE-indexed research reviewed and selected by expert scientific editors at the National Library of Medicine. Materials are available in English, Spanish, and French.	yellow	LD	95,105	May 2019 - Q4 2020	Consumer (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch			x			NIH POLICY	https://s3.amazonaws.com/assets.datacite.org/publications/publication_files/1000.pdf	Nicole Saylor	x	x	x		x					x	x	x	x		5
AIMBA	AIMBA provides resources on alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.	green	pubmed topic queries		Q3	Chem/Tox S&R/LG Bert Robinson (SIS)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x	x							1
American Indian Health	American Indian Health is a source for information about the health and well-being of Native Americans and Alaska Natives. Portal to be sunset in	Red			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett	x														
Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of northern peoples. Portal to be sunset in	Red			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett		x			x										4
Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass casualty chemical incident.	yellow	understand scam, cross map, look for duplication.	189,249	Q1 FY2020	Disaster or Chem/Tox S&R/LG	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x		Other (e.g., historical)	Companion to WISER with a focus on mass casualty incidents; support for HHS responsibility for medical and public health management of public health emergencies (Pandemic and all Hazards Preparedness Reauthorization Act - PAHPRA; Public Law 113-5; https://www.gpo.gov/fdsys/pkg/	Bert Hubbman	x	x	x	x	x	x									4
ChemIDplus	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM databases and many websites.	yellow	1 Replace with pubchem in FY19 to make room	4,491,339	Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Joanne Gashoni	x	x	x	x	x	x	x								1
Common Data Element (CDE) Repository	The NIH Common Data Element (CDE) Repository provides access to structured human and machine readable definitions of data elements that are	green	1 Keep in budget in order to support	978	Q3		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x		NIH Policy	https://datascience.nih.gov/sites/default/files/NIH_Strategic_Plan_for_Data_Science_Final_508.pdf	Patricia Ndungu	x	x	x	x	x	x	x								4
DailyMed	DailyMed provides trustworthy information about marketed drugs in the United States. DailyMed is the official provider of FDA label	yellow	1 Keep in budget with 1 to consider sunset	2,513,000	Q3	Jerry Stephon Ivor D'Souza Olivier Bodenreider - FDA	Digital Service	Library Operations (LO) / Bibliographic Services Division	x	x		x		Other (e.g., historical)		Tammy Powell	x	x	x	x	x	x	x								3
Data Discovery	The NIHDiscover data discovery site, which will provide tools and platforms, provide a way for researchers to find, download, visualize, and	Yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 (Data Discovery Index) FY2021 (Online Commons)	SIS, LO, NCBI, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x			x		Unknown		David Katz	x	x	x	x	x	x	x								1
Data Distribution Program	The Data Distribution Program is an NLM program, coordinated and supported by MMS, which provides	yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 (Data Discovery Index) FY2021 (Online Commons)	SIS, LO, NCBI, DCCS	Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section		x		x		NIAID Policy, 5th ed.	Goal 1. Accelerate discovery and advance health through data-driven research and Goal 2: reach more people in more ways through enhanced dissemination and engagement.	Peter Szilard	x	x	x	x	x	x	x								2
Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products marketed in the United States. The DSID is	Yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 Q3, 2020	SIS, LO, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x		Unknown		Joanne Gashoni	x	x	x	x	x	x	x								2
Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label derived information for dietary supplement products marketed in	Yellow	1 Keep in budget with 1 to consider one of these platforms	393,797	Q2 Q3, 2020	SIS, LO, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x		Unknown		Joanne Gashoni	x	x	x	x	x	x	x								2
Digital Collections	Digital Collections provides access to NLM's unique collection of historical images, audiovisuals, maps and software. Includes both scanned and born-digital items.	green	1 Keep in budget with 1 to consider one of these platforms				Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	x			x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Jennifer Gilbert	x	x	x	x	x	x	x	x							4
Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and expertise in the fields of	Yellow	1 Keep in budget with 1 to consider one of these platforms	65,375	Q2 2020	Disaster (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://unitedstates.nih.gov/docs/Kirtsaloo%20-%20Report%20-%20Recommendations.1.5.and.1.6).pdf	Stacey Arencen	x	x	x	x	x	x	x		x						4
Disaster Info Database for Disaster Medicine and Public Health	Disaster Info Database for Disaster Medicine and Public Health contains links to disaster medicine and public health emergency	Yellow	1 Keep in budget with 1 to consider one of these platforms	74,792	Q2 2020	Disaster (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://unitedstates.nih.gov/docs/Kirtsaloo%20-%20Report%20-%20Recommendations.1.5.and.1.6).pdf	Stacey Arencen	x	x	x	x	x	x	x		x						4
DOCLINE	DOCLINE is the software behind the world's largest interlibrary loan (ILL) request routing system, facilitating resource sharing among libraries in the National Network of	green					Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section				x		Congress	Enacting legislation	Public Services Division	x	x	x	x	x	x	x	x							1
Drug Information Portal	The Drug Information Portal (DIP) provides information for over 19,000 drugs approved for use in the United States, Thailand, as well as over 20,000	Red	1 Keep in budget with 1 to consider one of these platforms	1,678,965	Q3 - Q4 (starting)	Drug/WG (SIS, LO, NCBI, LHC, DCCS)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Unknown		Jeanne Gashoni	x	x	x	x	x	x	x								1
Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental	Red	Replace with Tox Town and TEHIP	37,696	Q3 - Q4	Consumer (SIS, LO) Hans Ahmed (LO)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Juliette Rochester	x	x	x	x	x	x	x	x							5
Genetics	Genetics is a portal of genetics topics such as cell biology, RNA, genes, epigenetics and more for patients and teachers. Information from the	Red		422,670	Q3 (March 31, 2019)	Ellis Kershaun	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Ally Kneelman														4
Genetic Home References	Genetics Home Reference is a consumer health resource that provides information for the general public about the effects of genetic	Green	MEDLARS into MEDLINE plus connect TF ALI et Us		Q3	Oliver B (NC) Wei Mao(SCCS) Mark Zweiers (LO) Stephanie Morrison	Digital Services	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x		Unknown	None	Public Services Division	x	x	x	x	x	x	x	x							1
Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 5,800 chemicals. A TOXNET	Green	going to PubChem, current rag on arsenic		Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Joanne Gashoni	x	x	x	x	x	x	x								4
HazMap	HazMap is an occupational health database designed for health and safety professionals and lay consumers seeking information	Red	Plan sunset by July 2019, 1Q	467,203	Q3 - Q4	Chem/Tox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
HealthReach	HealthReach is a database of easy to read multilingual health information for those working with or providing care to individuals with limited English proficiency.	Green	sunset consider, consider investment in www.medlin	259,791	Q4 - FY19 Q1 Q2	Consumer (SIS/LO) Stephanie Morrison Fiona Ahmed	Digital Services	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		Other (e.g., historical)		Laura Bartlett	x	x	x	x	x	x	x	x							5
HMDC+Including Now Blog	Including Now (tidal) brings to life the historical collections of the National Library of Medicine and informs the public about the	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		NIAID Policy, 5th ed.	Initiative 3. Inter-national Communication Plans & Information Resources.	Elizabeth Mullen		x			x										4
HMDC Digital Gallery	HMD Digital Gallery is an online presentation of curated digitized content that links audiences to digitized collections. Curated pages	green					Digital Services	Library Operations (LO) / History of Medicine Division / Exhibitions Section				x		NIAID Policy, 5th ed.	Objective 3.2: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Patricia Feeney		x			x										3
HMDC Inventory of History of Medicine Collections (IHMC)	HMD Inventory of History of Medicine Collections (IHMC) is a public-facing database containing information on collections in the	yellow					Digital Service	Library Operations (LO) / History of Medicine Division				x		NIAID Policy, 5th ed.	Objective 3.2: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Lindsay Frane		x			x										3
HMD FOR Notices of Judgment	HMD FDA Notices of Judgment is a public interface to the digital archive of the FDA Notices of Judgment	Green					Digital Services	Library Operations (LO) / History of Medicine Division	x			x		Strategic Plan																
HMD Finding Aids	The HMD Finding Aids web site is a comprehensive online system that allows patrons to discover the unique personal paper and archival	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		John Ross		x			x										3
HMD Finding Aids Consortium	The History of Medicine Finding Aids Consortium is a discovery tool providing keyword search services across a union catalog of finding aids	yellow					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		John Ross		x			x										3
HMD Index Cat	Index-Catalogue is a database which provides direct access to the digital version of the Index-Catalogue of the Library of the	green					Digital Service	Library Operations (LO) / History of Medicine Division			x	x		NIAID Policy, 5th ed.	Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Lindsay Frane		x			x										3
HMD Medicine on Screen	Medicine on Screen is a curated portal to selected films from the National Library of Medicine's collection of over 18,000 historic	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Sarah Ehlers		x			x										3
HMD Online Exhibitions	HMD Online Exhibitions is an adaptation of exhibition content to the online environment.	green					Digital Service	Library Operations (LO) / History of Medicine Division / Exhibitions Section				x		NIAID Policy, 5th ed.	Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Patricia Feeney		x			x										3
HMD Profiles in Science	Profiles in Science documents the work of leaders in biomedical research and public health using their archival collections.	Green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Christie Moffatt		x			x										3
HMD Web Collection	HMD Web Collection is the public-facing offering which searches the internet for web content	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Christie Moffatt		x			x										3
Household Products Database	The Household Products Database helps consumer brands to health effects from Safety Data Sheets provided by manufacturers and	yellow	2, 3, 4 C - consider hosting to publicDoen	2,281,447	Q3 - Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Integrated Risk Information System (IRIS)	Integrated Risk Information System (IRIS) contains data in support of human health risk assessment, including hazard identification and	Red	Accelerated and contact EPA for annual update		Q4 or later	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
International Toxicity Estimates for Risk (ITER)	International Toxicity Estimates for Risk includes risk information for over 600 chemicals from authoritative groups worldwide. A	Green	Accelerate, managed as CD		Q4 or later	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Journal Donation	Journal donation provides a method for the public to donate journals to NLM holdings in order to offer access to journal issues/volumes from	green	stay combine with SL				Digital Service	Library Operations (LO) / Public Services Division / Preservation and Collection Management Section				x		Other (e.g., historical)	None	Public Services Division		x			x										3
LactMed	LactMed, drugs and lactation database, provides information on drug levels in breast milk and infant blood. Information about	Green	Accelerate, managed as CD, consider publication NOW		Completed	Chem/Tox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x	x	x		Unknown		Lucie Chen	x	x	x	x	x	x	x								1
LinkOut for Libraries	LinkOut is a service through NCBI/PubMed which allows users to be directed to non-PubMed and other NLM databases to a wide range of	green	Consider hosting, Partnership Development and Technical Support Provider (LO)		Q3 - Q4	Kim Pruitt (NCBI) Sarah Gilkey (LO)	Digital Services	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section			x	x		NIAID Policy, 5th ed.	Goal 1. Accelerate discovery and advance health through data-driven research.	Sarah Hebron	x	x	x	x	x	x	x								2
LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and	yellow	NEW need to notify or about establishing a review process	3,760,581	Q3 - Q4	Chem/Tox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Loansome Doc	Loansome Doc allows users to order full-text copies of biomedical literature from a medical library (local fees and delivery methods	Red			Q3	Mark Zweiers Amanda Wilson	Digital Service	Library Operations (LO) / Technical Services Division / Collection Access Section				x		Unknown	None	Public Services Division	x	x	x	x	x	x	x	x							1
LocatorPlus	LocatorPlus is NLM's online catalog of books, journals, audiovisuals, electronic resources, and other materials, including holdings and	green	Looking for FISMA compliant vendor			Jennifer Marsh (LO) Wei Mao(SCCS)	Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section		x		x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Diane Boehr	x	x	x	x	x	x	x	x							4
LSTRC Publisher Web Form	The Literature Selection Technical Review Committee (LSTRC) is a federal advisory committee that meets three times a year to review and recommend journals for	Green	NEW writing onto PMC portal		Q3 - Q4	Eric Zeltner (NCBI) Jan Griffin (LO)	Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section				x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Jan Griffin					x										3

| | | |

From: Backus, Joyce (NIH/NLM) [E]
Sent: 12 Feb 2019 13:54:40 +0000
To: Pfister, Troy (NIH/NLM/LHC) [E];Babski, Dianne (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Kelly, Janice (NIH/NLM) [E]
Subject: SIS and LO offerings with colors and working groups.xlsx
Attachments: SIS and LO offerings with colors and working groups.xlsx

Troy,
This is our current version, but not a complete sunset plan yet. The working groups are draft and staff haven't been informed. We need to assign consistent working group names in the offerings tab from the working groups tab. If you can do that, it will move things along.

Thanks, Joyce

	Chem/Tox	Drug information	Consumer health	Disaster information	Data distribution	AIDS	Outreach & Training
Senior Leader(s)	**Florence Chang** **Jim Ostell** **Joyce Backus**	**Joyce Backus** **Clem McDonald** **Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman - report	Barbara Bushman	NLM/OD with NIH, HRSA, etc	Amanda Wilson
Members	Evan Bolton	David Hale	Laura Bartlett	NNCO	Pete Seibert or Mike Davidson		
	Stacy Lathrop	Olivier Bodenreider	Colette Hochstein	Lisa Sedlar	Eric Sayers		
	Bert Hakkinen	Tammy Powell or Chris Hui	Fedora Braverman	Siobhan Champ-Blackwell	Rebecca Goodwin		
	Jean Goshorn	Patrick McLaughlin or team member	OCPL		David Hale		
	Jim Pash	Jen Jentsch	NNCO		OCCS		
		Duc Nguyen or team member	MMS-training		LHC		
		Wei Ma or team member					
		NCBI?					

Offering Name	Offering Short Description	Red, Yellow, Green	Column2	page views 2018	Timeline PY2018	working group	Offering Type	Primary Organization Name	API Access	New Data PPP	Software	Website Access	Print Media	Mandate Source Type	Mandate Reference	Primary Offering Owner Name	Congress	NIH	Researchers	Clinicians	Federal Agencies	Lay Public	NLM Internal	Commercial Entities	International Collaborators	Educators	Libraries/Librarians	Healthcare and Public Health orgs	Students	Proxy Publishers	Priority
AIDSinfo	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to develop AIDSinfo, a resource providing information on ongoing HIV/AIDS research and treatments. AIDSource offers access to a comprehensive collection of PMC/MEDLINE-indexed research reviewed and selected by expert scientific editors at the National Library of Medicine. Materials are available in English, Spanish, and French.	yellow	LD	8,573,396	May 2019 - Q4 2020	AIDS (GR, LG, CSB, CSAR, NARD)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x		NIH POLICY	https://s3.amazonaws.com/assets.datacite.org/publications/publication_files/1000.pdf	Nicole Saylor	x	x	x	x	x	x				x					3
AIDSource	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to develop AIDSinfo, a resource providing information on ongoing HIV/AIDS research and treatments. AIDSource offers access to a comprehensive collection of PMC/MEDLINE-indexed research reviewed and selected by expert scientific editors at the National Library of Medicine. Materials are available in English, Spanish, and French.	yellow	LD	95,105	May 2019 - Q4 2020	Consumer (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch			x			NIH POLICY	https://s3.amazonaws.com/assets.datacite.org/publications/publication_files/1000.pdf	Nicole Saylor	x	x	x		x					x	x	x	x		5
AIMBA	AIMBA provides resources on alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.	green	pubmed topic queries		Q3	Chem/Tox S&R/LG Bert Robinson (SIS)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x	x							1
American Indian Health	American Indian Health is a source for information about the health and well-being of Native Americans and Alaska Natives. Portal to be sunset in	Red			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett	x														
Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of northern peoples. Portal to be sunset in	Red			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett		x			x										4
Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass casualty chemical incident.	yellow	understand scam, cross map, look for duplication.	189,249	Q1 FY2020	Disaster or Chem/Tox S&R/LG	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x		Other (e.g., historical)	Companion to WISER with a focus on mass casualty incidents; support for HHS responsibility for medical and public health management of public health emergencies (Pandemic and all Hazards Preparedness Reauthorization Act - PAHPRA; Public Law 113-5; https://www.gpo.gov/fdsys/pkg/	Bert Hubbman	x	x	x	x	x	x									4
ChemIDplus	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM databases and many websites.	yellow	1 Replace with pubchem in FY19 to make room	4,491,339	Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Joanne Gashoni	x	x	x	x	x	x	x								1
Common Data Element (CDE) Repository	The NIH Common Data Element (CDE) Repository provides access to structured human and machine readable definitions of data elements that are	green	1 Keep in budget in order to support	978	Q3		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x		NIH Policy	https://datascience.nih.gov/sites/default/files/NIH_Strategic_Plan_for_Data_Science_Final_508.pdf	Patricia Ndungu	x	x	x	x	x	x	x								4
DailyMed	DailyMed provides trustworthy information about marketed drugs in the United States. DailyMed is the official provider of FDA label	yellow	1 Keep in budget with 1 to consider sunset	2,513,000	Q3	Jerry Stephon Ivor D'Souza Olivier Bodenreider - FDA	Digital Service	Library Operations (LO) / Bibliographic Services Division	x	x		x		Other (e.g., historical)		Tammy Powell	x	x	x	x	x	x	x								3
Data Discovery	The NIHDiscover data discovery site, which will provide tools and platforms, provide a way for researchers to find, download, visualize, and	Yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 (Data Discovery Index) FY2021 (Online Commons)	SIS, LO, NCBI, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x			x		Unknown		David Katz	x	x	x	x	x	x	x								1
Data Distribution Program	The Data Distribution Program is an NLM program, coordinated and supported by MMS, which provides	yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 (Data Discovery Index) FY2021 (Online Commons)	SIS, LO, NCBI, DCCS	Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section		x		x		NIAID Policy, 5th ed.	Goal 1. Accelerate discovery and advance health through data-driven research and Goal 2: reach more people in more ways through enhanced dissemination and engagement.	Peter Szilard	x	x	x	x	x	x	x								2
Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products marketed in the United States. The DSID is	Yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 Q3, 2020	SIS, LO, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x		Unknown		Joanne Gashoni	x	x	x	x	x	x	x								2
Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label derived information for dietary supplement products marketed in	Yellow	1 Keep in budget with 1 to consider one of these platforms	393,797	Q2 Q3, 2020	SIS, LO, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x		Unknown		Joanne Gashoni	x	x	x	x	x	x	x								2
Digital Collections	Digital Collections provides access to NLM's unique collection of historical images, audiovisuals, maps and software. Includes both scanned and born-digital items.	green	1 Keep in budget with 1 to consider one of these platforms				Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	x			x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Jennifer Gilbert	x	x	x	x	x	x	x	x							4
Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and expertise in the fields of	Yellow	1 Keep in budget with 1 to consider one of these platforms	65,375	Q2 2020	Disaster (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://unitedstates.nih.gov/docs/Kirtsaloo%20-%20Report%20-%20Recommendations.1.5.and.1.6).pdf	Stacey Arencen	x	x	x	x	x	x	x		x						4
Disaster Info Database for Disaster Medicine and Public Health	Disaster Info Database for Disaster Medicine and Public Health contains links to disaster medicine and public health emergency	Yellow	1 Keep in budget with 1 to consider one of these platforms	74,792	Q2 2020	Disaster (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://unitedstates.nih.gov/docs/Kirtsaloo%20-%20Report%20-%20Recommendations.1.5.and.1.6).pdf	Stacey Arencen	x	x	x	x	x	x	x		x						4
DOCLINE	DOCLINE is the software behind the world's largest interlibrary loan (ILL) request routing system, facilitating resource sharing among libraries in the National Network of	green					Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section				x		Congress	Enacting legislation	Public Services Division	x	x	x	x	x	x	x	x							1
Drug Information Portal	The Drug Information Portal (DIP) provides information for over 19,000 drugs approved for use in the United States, Thailand, as well as over 20,000	Red	1 Keep in budget with 1 to consider one of these platforms	1,678,965	Q3 - Q4 (starting)	Drug/WG (SIS, LO, NCBI, LHC, DCCS)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Unknown		Jeanne Gashoni	x	x	x	x	x	x	x								1
Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental	Red	Replace with Tox Town and TEHIP	37,696	Q3 - Q4	Consumer (SIS, LO) Hans Ahmed (LO)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Juliette Rochester	x	x	x	x	x	x	x	x							5
Genetics	Genetics is a portal of genetics topics such as cell biology, RNA, genes, epigenetics and more for patients and teachers. Information from the	Red		422,670	Q3 (March 31, 2019)	Ellis Kershaun	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Ally Kneelman														4
Genetic Home References	Genetics Home Reference is a consumer health resource that provides information for the general public about the effects of genetic	Green	MEDLARS into MEDLINE plus connect TF ALI et Us		Q3	Oliver B (NC) Wei Mao(SCCS) Mark Zweiers (LO) Stephanie Morrison	Digital Services	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x		Unknown	None	Public Services Division	x	x	x	x	x	x	x	x							1
Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 5,800 chemicals. A TOXNET	Green	going to PubChem, current rag on arsenic		Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Joanne Gashoni	x	x	x	x	x	x	x								4
HazMap	HazMap is an occupational health database designed for health and safety professionals and lay consumers seeking information	Red	Plan sunset by July 2019, 1Q	467,203	Q3 - Q4	Chem/Tox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
HealthReach	HealthReach is a database of easy to read multilingual health information for those working with or providing care to individuals with limited English proficiency.	Green	sunset consider, consider investment in www.medlin	259,791	Q4 - FY19 Q1 Q2	Consumer (SIS/LO) Stephanie Morrison Fiona Ahmed	Digital Services	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		Other (e.g., historical)		Laura Bartlett	x	x	x	x	x	x	x	x							5
HMDC+Including Now Blog	Including Now (tidal) brings to life the historical collections of the National Library of Medicine and informs the public about the	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		NIAID Policy, 5th ed.	Initiative 3. Inter-national Communication Plans & Information Resources.	Elizabeth Mullen		x			x										4
HMDC Digital Gallery	HMD Digital Gallery is an online presentation of curated digitized content that links audiences to digitized collections. Curated pages	green					Digital Services	Library Operations (LO) / History of Medicine Division / Exhibitions Section				x		NIAID Policy, 5th ed.	Objective 3.2: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Patricia Feeney		x			x										3
HMDC Inventory of History of Medicine Collections (IHMC)	HMD Inventory of History of Medicine Collections (IHMC) is a public-facing database containing information on collections in the	yellow					Digital Service	Library Operations (LO) / History of Medicine Division				x		NIAID Policy, 5th ed.	Objective 3.2: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Lindsay Frane		x			x										3
HMD FOR Notices of Judgment	HMD FDA Notices of Judgment is a public interface to the digital archive of the FDA Notices of Judgment	Green					Digital Services	Library Operations (LO) / History of Medicine Division	x			x		Strategic Plan																
HMD Finding Aids	The HMD Finding Aids web site is a comprehensive online system that allows patrons to discover the unique personal paper and archival	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		John Ross		x			x										3
HMD Finding Aids Consortium	The History of Medicine Finding Aids Consortium is a discovery tool providing keyword search services across a union catalog of finding aids	yellow					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		John Ross		x			x										3
HMD Index Cat	Index-Catalogue is a database which provides direct access to the digital version of the Index-Catalogue of the Library of the	green					Digital Service	Library Operations (LO) / History of Medicine Division			x	x		NIAID Policy, 5th ed.	Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Lindsay Frane		x			x										3
HMD Medicine on Screen	Medicine on Screen is a curated portal to selected films from the National Library of Medicine's collection of over 18,000 historic	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Sarah Ehlers		x			x										3
HMD Online Exhibitions	HMD Online Exhibitions is an adaptation of exhibition content to the online environment.	green					Digital Service	Library Operations (LO) / History of Medicine Division / Exhibitions Section				x		NIAID Policy, 5th ed.	Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Patricia Feeney		x			x										3
HMD Profiles in Science	Profiles in Science documents the work of leaders in biomedical research and public health using their archival collections.	Green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Christie Moffatt		x			x										3
HMD Web Collection	HMD Web Collection is the public-facing offering which searches the internet for web content	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Christie Moffatt		x			x										3
Household Products Database	The Household Products Database helps consumer brands to health effects from Safety Data Sheets provided by manufacturers and	yellow	2, 3, 4 C - consider hosting to publicDoen	2,281,447	Q3 - Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Integrated Risk Information System (IRIS)	Integrated Risk Information System (IRIS) contains data in support of human health risk assessment, including hazard identification and	Red	Accelerated and contact EPA for annual update		Q4 or later	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
International Toxicity Estimates for Risk (ITER)	International Toxicity Estimates for Risk includes risk information for over 600 chemicals from authoritative groups worldwide. A	Green	Accelerate, managed as CD		Q4 or later	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Journal Donation	Journal donation provides a method for the public to donate journals to NLM holdings in order to offer access to journal issues/volumes from	green	stay combine with SL				Digital Service	Library Operations (LO) / Public Services Division / Preservation and Collection Management Section				x		Other (e.g., historical)	None	Public Services Division		x			x										3
LactMed	LactMed, drugs and lactation database, provides information on drug levels in breast milk and infant blood. Information about	Green	Accelerate, managed as CD, consider publication NOW		Completed	Chem/Tox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x	x	x		Unknown		Lucie Chen	x	x	x	x	x	x	x								1
LinkOut for Libraries	LinkOut is a service through NCBI/PubMed which allows users to be directed to non-PubMed and other NLM databases to a wide range of	green	Consider hosting, Partnership Development and Technical Support Provider (LO)		Q3 - Q4	Kim Pruitt (NCBI) Sarah Gilkey (LO)	Digital Services	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section			x	x		NIAID Policy, 5th ed.	Goal 1. Accelerate discovery and advance health through data-driven research.	Sarah Hebron	x	x	x	x	x	x	x								2
LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and	yellow	NEW need to notify or about establishing a review process	3,760,581	Q3 - Q4	Chem/Tox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Loansome Doc	Loansome Doc allows users to order full-text copies of biomedical literature from a medical library (local fees and delivery methods	Red			Q3	Mark Zweiers Amanda Wilson	Digital Service	Library Operations (LO) / Technical Services Division / Collection Access Section				x		Unknown	None	Public Services Division	x	x	x	x	x	x	x	x							1
LocatorPlus	LocatorPlus is NLM's online catalog of books, journals, audiovisuals, electronic resources, and other materials, including holdings and	green	Looking for FISMA compliant vendor			Jennifer Marsh (LO) Wei Mao(SCCS)	Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section		x		x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Diane Boehr	x	x	x	x	x	x	x	x							4
LSTRC Publisher Web Form	The Literature Selection Technical Review Committee (LSTRC) is a federal advisory committee that meets three times a year to review and recommend journals for	Green	NEW writing onto PMC portal		Q3 - Q4	Eric Zeltner (NCBI) Jan Griffin (LO)	Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section				x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Jan Griffin					x										3

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From: Pfister, Troy (NIH/NLM/LHC) [E]
Sent: 12 Feb 2019 14:05:10 +0000
To: Brennan, Patti (NIH/NLM) [E]
Subject: Re: When will I get the sunset plans from Joyce and Florence?
Attachments: SIS and LO offerings with colors and working groups[1].xlsx

Joyce just sent the following:

Troy,
This is our current version, but not a complete sunset plan yet. The working groups are draft and staff haven't been informed. We need to assign consistent working group names in the offerings tab from the working groups tab. If you can do that, it will move things along.

Thanks, Joyce

Attached is a new(er) worksheet. I'll work w/Joyce on cleaning the sheet up a bit. Note that in the spreadsheet, sunsetting timelines are populated in column F.

Thanks,

T.

From: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
Date: Tuesday, February 12, 2019 at 7:25 AM
To: "Pfister, Troy (NIH/NLM/LHC) [E]" <ptroy@mail.nlm.nih.gov>
Subject: When will I get the sunset plans from Joyce and Florence?

	Chem/Tox	Drug information	Consumer health	Disaster information	Data distribution	AIDS	Outreach & Training
Senior Leader(s)	**Florence Chang** **Jim Ostell** **Joyce Backus**	**Joyce Backus** **Clem McDonald** **Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman - report	Barbara Bushman	NLM/OD with NIH, HRSA, etc	Amanda Wilson
Members	Evan Bolton	David Hale	Laura Bartlett	NNCO	Pete Seibert or Mike Davidson		
	Stacy Lathrop	Olivier Bodenreider	Colette Hochstein	Lisa Sedlar	Eric Sayers		
	Bert Hakkinen	Tammy Powell or Chris Hui	Fedora Braverman	Siobhan Champ-Blackwell	Rebecca Goodwin		
	Jean Goshorn	Patrick McLaughlin or team member	OCPL		David Hale		
	Jim Pash	Jen Jentsch	NNCO		OCCS		
		Duc Nguyen or team member	MMS-training		LHC		
		Wei Ma or team member					
		NCBI?					

Offering Name	Offering Short Description	Red, Yellow, Green	Column2	page views 2018	Timeline PY2018	working group	Offering Type	Primary Organization Name	API Access	New Data PPP	Software	Website Access	Print Media	Mandate Source Type	Mandate Reference	Primary Offering Owner Name	Congress	NIH	Researchers	Clinicians	Federal Agencies	Lay Public	NLM Internal	Commercial Entities	International Collaborators	Educators	Libraries/Librarians	Healthcare and Public Health orgs	Students	Proxy Publishers	Priority
AIDSinfo	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to develop AIDSinfo, a resource providing information on ongoing HIV/AIDS research and treatments. AIDSource offers access to a comprehensive collection of PMC/MEDLINE-indexed research reviewed and selected by expert scientific editors at the National Library of Medicine. Materials are available in English, Spanish, and French.	yellow	LD	8,573,396	May 2019 - Q4 2020	AIDS (GR, LG, CSB, CSAR, NARD)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x		NIH POLICY	https://s3.amazonaws.com/assets.datacite.org/publications/publication_files/1000.pdf	Nicole Saylor	x	x	x	x	x	x				x					3
AIDSource	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to develop AIDSinfo, a resource providing information on ongoing HIV/AIDS research and treatments. AIDSource offers access to a comprehensive collection of PMC/MEDLINE-indexed research reviewed and selected by expert scientific editors at the National Library of Medicine. Materials are available in English, Spanish, and French.	yellow	LD	95,105	May 2019 - Q4 2020	Consumer (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch			x			NIH POLICY	https://s3.amazonaws.com/assets.datacite.org/publications/publication_files/1000.pdf	Nicole Saylor	x	x	x		x					x	x	x	x		5
AIMBA	AIMBA provides resources on alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.	green	pubmed topic queries		Q3	Chem/Tox S&R/LG Bert Robinson (SIS)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x	x							1
American Indian Health	American Indian Health is a source for information about the health and well-being of Native Americans and Alaska Natives. Portal to be sunset in	Red			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett	x														
Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of northern peoples. Portal to be sunset in	Red			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett		x			x										4
Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass casualty chemical incident.	yellow	understand scam, cross map, look for duplication.	189,249	Q1 FY2020	Disaster or Chem/Tox S&R/LG	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x		Other (e.g., historical)	Companion to WISER with a focus on mass casualty incidents; support for HHS responsibility for medical and public health management of public health emergencies (Pandemic and all Hazards Preparedness Reauthorization Act - PAHPRA; Public Law 113-5; https://www.gpo.gov/fdsys/pkg/	Bert Hubbman	x	x	x	x	x	x									4
ChemIDplus	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM databases and many websites.	yellow	1 Replace with pubchem in FY19 to make room	4,491,339	Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Joanne Gashoni	x	x	x	x	x	x	x								1
Common Data Element (CDE) Repository	The NIH Common Data Element (CDE) Repository provides access to structured human and machine readable definitions of data elements that are	green	1 Keep in budget in order to support	978	Q3		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x		NIH Policy	https://datascience.nih.gov/sites/default/files/NIH_Strategic_Plan_for_Data_Science_Final_508.pdf	Patricia Ndungu	x	x	x	x	x	x	x								4
DailyMed	DailyMed provides trustworthy information about marketed drugs in the United States. DailyMed is the official provider of FDA label	yellow	1 Keep in budget with 1 to consider sunset	2,513,000	Q3	Jerry Stephon Ivor D'Souza Olivier Bodenreider - FDA	Digital Service	Library Operations (LO) / Bibliographic Services Division	x	x		x		Other (e.g., historical)		Tammy Powell	x	x	x	x	x	x	x								3
Data Discovery	The NIHDiscover data discovery site, which will provide tools and platforms, provide a way for researchers to find, download, visualize, and	Yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 (Data Discovery Index) FY2021 (Online Commons)	SIS, LO, NCBI, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x			x		Unknown		David Katz	x	x	x	x	x	x	x								1
Data Distribution Program	The Data Distribution Program is an NLM program, coordinated and supported by MMS, which provides	yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 (Data Discovery Index) FY2021 (Online Commons)	SIS, LO, NCBI, DCCS	Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section		x		x		NIAID Policy, 5th ed.	Goal 1. Accelerate discovery and advance health through data-driven research and Goal 2: reach more people in more ways through enhanced dissemination and engagement.	Peter Szilard	x	x	x	x	x	x	x								2
Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products marketed in the United States. The DSID is	Yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 Q3, 2020	SIS, LO, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x		Unknown		Joanne Gashoni	x	x	x	x	x	x	x								2
Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label derived information for dietary supplement products marketed in	Yellow	1 Keep in budget with 1 to consider one of these platforms	393,797	Q2 Q3, 2020	SIS, LO, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x		Unknown		Joanne Gashoni	x	x	x	x	x	x	x								2
Digital Collections	Digital Collections provides access to NLM's unique collection of historical images, audiovisuals, maps and software. Includes both scanned and born-digital items.	green	1 Keep in budget with 1 to consider one of these platforms				Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	x			x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Jennifer Gilbert	x	x	x	x	x	x	x	x							4
Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and expertise in the fields of	Yellow	1 Keep in budget with 1 to consider one of these platforms	65,375	Q2 2020	Disaster (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://unitedstates.nih.gov/docs/Kirtsaloo%20-%20Report%20-%20Recommendations.1.5.and.1.6).pdf	Stacey Arencen	x	x	x	x	x	x	x		x						4
Disaster Info Database for Disaster Medicine and Public Health	Disaster Info Database for Disaster Medicine and Public Health contains links to disaster medicine and public health emergency	Yellow	1 Keep in budget with 1 to consider one of these platforms	74,792	Q2 2020	Disaster (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://unitedstates.nih.gov/docs/Kirtsaloo%20-%20Report%20-%20Recommendations.1.5.and.1.6).pdf	Stacey Arencen	x	x	x	x	x	x	x		x						4
DOCLINE	DOCLINE is the software behind the world's largest interlibrary loan (ILL) request routing system, facilitating resource sharing among libraries in the National Network of	green					Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section				x		Congress	Enacting legislation	Public Services Division	x	x	x	x	x	x	x	x							1
Drug Information Portal	The Drug Information Portal (DIP) provides information for over 19,000 drugs approved for use in the United States, Thailand, as well as over 20,000	Red	1 Keep in budget with 1 to consider one of these platforms	1,678,965	Q3 - Q4 (starting)	Drug/WG (SIS, LO, NCBI, LHC, DCCS)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Unknown		Jeanne Gashoni	x	x	x	x	x	x	x								1
Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental	Red	Replace with Tox Town and TEHIP	37,696	Q3 - Q4	Consumer (SIS, LO) Hans Ahmed (LO)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Juliette Rochester	x	x	x	x	x	x	x	x							5
Genetics	Genetics is a portal of genetics topics such as cell biology, RNA, genes, epigenetics and more for patients and teachers. Information from the	Red		422,670	Q3 (March 31, 2019)	Ellis Kershaun	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Ally Kneelman														4
Genetic Home References	Genetics Home Reference is a consumer health resource that provides information for the general public about the effects of genetic	Green	MEDLARS into MEDLINE plus connect TF ALI et Us		Q3	Oliver B (NC) Wei Mao(SCCS) Mark Zweiers (LO) Stephanie Morrison	Digital Services	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x		Unknown	None	Public Services Division	x	x	x	x	x	x	x	x							1
Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 5,800 chemicals. A TOXNET	Green	going to PubChem, current rag on arsenic		Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Joanne Gashoni	x	x	x	x	x	x	x								4
HazMap	HazMap is an occupational health database designed for health and safety professionals and lay consumers seeking information	Red	Plan sunset by July 2019, 1Q	467,203	Q3 - Q4	Chem/Tox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
HealthReach	HealthReach is a database of easy to read multilingual health information for those working with or providing care to individuals with limited English proficiency.	Green	sunset consider, consider investment in www.medlin	259,791	Q4 - FY19 Q1 Q2	Consumer (SIS/LO) Stephanie Morrison Fiona Ahmed	Digital Services	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		Other (e.g., historical)		Laura Bartlett	x	x	x	x	x	x	x	x							5
HMDC+Including Now Blog	Including Now (tidal) brings to life the historical collections of the National Library of Medicine and informs the public about the	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		NIAID Policy, 5th ed.	Initiative 3. Inter-national Communication Plans & Information Resources.	Elizabeth Mullen		x			x										4
HMDC Digital Gallery	HMD Digital Gallery is an online presentation of curated digitized content that links audiences to digitized collections. Curated pages	green					Digital Services	Library Operations (LO) / History of Medicine Division / Exhibitions Section				x		NIAID Policy, 5th ed.	Objective 3.2: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Patricia Feeney		x			x										3
HMDC Inventory of History of Medicine Collections (IHMC)	HMD Inventory of History of Medicine Collections (IHMC) is a public-facing database containing information on collections in the	yellow					Digital Service	Library Operations (LO) / History of Medicine Division				x		NIAID Policy, 5th ed.	Objective 3.2: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Lindsay Frane		x			x										3
HMD FOR Notices of Judgment	HMD FDA Notices of Judgment is a public interface to the digital archive of the FDA Notices of Judgment	Green					Digital Services	Library Operations (LO) / History of Medicine Division	x			x		Strategic Plan																
HMD Finding Aids	The HMD Finding Aids web site is a comprehensive online system that allows patrons to discover the unique personal paper and archival	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		John Ross		x			x										3
HMD Finding Aids Consortium	The History of Medicine Finding Aids Consortium is a discovery tool providing keyword search services across a union catalog of finding aids	yellow					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		John Ross		x			x										3
HMD Index Cat	Index-Catalogue is a database which provides direct access to the digital version of the Index-Catalogue of the Library of the	green					Digital Service	Library Operations (LO) / History of Medicine Division			x	x		NIAID Policy, 5th ed.	Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Lindsay Frane		x			x										3
HMD Medicine on Screen	Medicine on Screen is a curated portal to selected films from the National Library of Medicine's collection of over 18,000 historic	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Sarah Ehlers		x			x										3
HMD Online Exhibitions	HMD Online Exhibitions is an adaptation of exhibition content to the online environment.	green					Digital Service	Library Operations (LO) / History of Medicine Division / Exhibitions Section				x		NIAID Policy, 5th ed.	Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Patricia Feeney		x			x										3
HMD Profiles in Science	Profiles in Science documents the work of leaders in biomedical research and public health using their archival collections.	Green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Christie Moffatt		x			x										3
HMD Web Collection	HMD Web Collection is the public-facing offering which searches the internet for web content	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Christie Moffatt		x			x										3
Household Products Database	The Household Products Database helps consumer brands to health effects from Safety Data Sheets provided by manufacturers and	yellow	2, 3, 4 C - consider hosting to publicDoen	2,281,447	Q3 - Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Integrated Risk Information System (IRIS)	Integrated Risk Information System (IRIS) contains data in support of human health risk assessment, including hazard identification and	Red	Accelerated and contact EPA for annual update		Q4 or later	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
International Toxicity Estimates for Risk (ITER)	International Toxicity Estimates for Risk includes risk information for over 600 chemicals from authoritative groups worldwide. A	Green	Accelerate, managed as CD		Q4 or later	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Journal Donation	Journal donation provides a method for the public to donate journals to NLM holdings in order to offer access to journal issues/volumes from	green	stay combine with SL				Digital Service	Library Operations (LO) / Public Services Division / Preservation and Collection Management Section				x		Other (e.g., historical)	None	Public Services Division		x			x										3
LactMed	LactMed, drugs and lactation database, provides information on drug levels in breast milk and infant blood. Information about	Green	Accelerate, managed as CD, consider publication NOW		Completed	Chem/Tox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x	x	x		Unknown		Lucie Chen	x	x	x	x	x	x	x								1
LinkOut for Libraries	LinkOut is a service through NCBI/PubMed which allows users to be directed to non-PubMed and other NLM databases to a wide range of	green	Consider hosting, Partnership Development and Technical Support Provider (LO)		Q3 - Q4	Kim Pruitt (NCBI) Sarah Gilkey (LO)	Digital Services	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section			x	x		NIAID Policy, 5th ed.	Goal 1. Accelerate discovery and advance health through data-driven research.	Sarah Hebron	x	x	x	x	x	x	x								2
LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and	yellow	NEW need to notify or about establishing a review process	3,760,581	Q3 - Q4	Chem/Tox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Loansome Doc	Loansome Doc allows users to order full-text copies of biomedical literature from a medical library (local fees and delivery methods	Red			Q3	Mark Zweiers Amanda Wilson	Digital Service	Library Operations (LO) / Technical Services Division / Collection Access Section				x		Unknown	None	Public Services Division	x	x	x	x	x	x	x	x							1
LocatorPlus	LocatorPlus is NLM's online catalog of books, journals, audiovisuals, electronic resources, and other materials, including holdings and	green	Looking for FISMA compliant vendor			Jennifer Marsh (LO) Wei Mao(SCCS)	Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section		x		x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Diane Boehr	x	x	x	x	x	x	x	x							4
LSTRC Publisher Web Form	The Literature Selection Technical Review Committee (LSTRC) is a federal advisory committee that meets three times a year to review and recommend journals for	Green	NEW writing onto PMC portal		Q3 - Q4	Eric Zeltner (NCBI) Jan Griffin (LO)	Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section				x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Jan Griffin					x										3

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From: Backus, Joyce (NIH/NLM) [E]
Sent: 13 Feb 2019 21:29:12 +0000
To: Pfister, Troy (NIH/NLM/LHC) [E]
Subject: FW: Feb 2019 review plan to sunset transform maintain SIS offerings.xlsx
Attachments: Feb 2019 review plan to sunset transform maintain SIS offerings.xlsx

Sorry! Should have copied you

From: Backus, Joyce (NIH/NLM) [E]
Sent: Wednesday, February 13, 2019 11:56 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Feb 2019 review plan to sunset transform maintain SIS offerings.xlsx

Patti,
After this morning's excellent presentation by Florence, I think you can share these specifics of the "donut" diagram this afternoon. It has draft dates for the actions, whether red, yellow, green or purple. Happy to answer any questions.

Joyce

National Library of Medicine
Inventory of Public-Facing Offerings

Red - Sunset, Yellow - evaluate for sunset/transition, Green - maintain, recommend efficiencies, Purple - Sunset delivery platform, integrate info consolidated platforms				
Offering Name	**Red, Yellow, Green, Purple**	**page views 2018**	**Timeline for Review/action FY2019/FY2020**	**Offering Short Description**
AIDSinfo	yellow	8,573,046	May 2019 - Q4 2020	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to deliver AIDSinfo, a resource providing information on HIV/AIDS clinical trials and federally approved HIV treatment and prevention guidelines, information on HIV/AIDS treatment, clinical trials, and other HIV/AIDS-related research information for health care providers, researchers, people affected by HIV/AIDS, and the general public. The Spanish version is called infoSIDA.
AIDSsource	yellow	95,155	May 2019 - Q4 2020	AIDSource offers access to a comprehensive collection of HIV/AIDS-related resources reviewed and selected by expert information specialists and librarians. Materials are available in Spanish materials as well.
AltBib	green		Q3 FY2019	AltBib provides resources on Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.
American Indian Health	Red		Q3 FY2019	American Indian Health is a source for information about the health and well being of Native Americans and Alaska Natives. Portal to be sunset in FY2019.
Arctic Health	Red		Q3 FY2019	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of northern peoples. Portal to be sunset in FY2019.
Chemical Hazards Emergency Medical Management	yellow	595,249	Q1 FY2020	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass-casualty chemical incident.
ChemIDplus	yellow	4,450,320	Q4 FY2019	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM and other databases and resources, including links to federal, state and international agencies.
Dietary Supplement Ingredient Database	Yellow		Q2-Q3 FY2020	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products sold in the United States. DSID is a collaboration with NIH's Office of Dietary Supplements and USDA.
Dietary Supplement Label Database	Yellow	393,797	Q2-Q3 FY2020	The Dietary Supplement Label Database (DSLD) includes full label derived information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. DSLD is a collaboration with NIH's Office of Dietary Supplements.
Disaster Information Management Research Center (DIMRC) website	Yellow	65,375	Q2 FY2020	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and technology for disaster and public health emergency preparedness, response, and recovery. The focus is to connect people to quality disaster and public health emergency information and foster a culture of community resiliency.
Disaster Lit: Database for Disaster Medicine and Public Health	Yellow	74,751	Q2 FY2020	Disaster Lit, the Database for Disaster Medicine and Public Health, contains links to disaster medicine and public health emergency resources available on the Internet at no cost. Resources include guidelines, research reports, training classes, fact sheets, website, databases, data sets, and similar materials.
Drug Information Portal	purple	1,078,965	Q3 - Q4 FY2019	The Drug Information Portal contains information for over 55,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites. Same backend database as ChemIDplus.
Enviromental Health Student Portal	Red	95,155	Q3 FY2019	The Enviromental Health Student Portal provides educational resources for middle school students and educators.
Environmental Health and Toxicology Information	Red	77,096	Q3 - Q4 FY2019	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental health and toxicology.
GeneEd	Red	622,670	Q3 FY2019(March 31, 2019)	GeneEd is a portal of genetic topics such as cell biology, DNA, genes, epigenetics and more for students and teachers. Information from the site will be merged with Genetics Home Reference in spring 2019.
Genetics Home Reference	purple		Q3 FY2019	Genetics Home Reference is a consumer health resource that provides information for the general public about the effects of genetic variation on human health.
Hazardous Substances Data Bank (HSDB)	purple		Q4 FY2019	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 6,000 chemicals. A TOXNET database.

National Library of Medicine
Inventory of Public-Facing Offerings

HazMap	Red	447,253	Q3 - Q4 FY2019	Haz-Map is an occupational health database designed for health and safety professionals and for consumers seeking information about the adverse effects of workplace exposures to chemical and biological agents. The main links in Haz-Map are between chemicals and occupational diseases.
HealthReach	purple	250,791	Q4 - FY2019 - Q1 FY2020	HealthReach is a database of easy to read, multilingual health information for those working with or providing care to individuals with limited English proficiency.
Household Products Database	yellow	2,290,447	Q3 - Q4 FY2019	The Household Products Database links consumer brands to health effects from Safety Data Sheets provided by manufacturers and allows scientists and consumers to research potential health effects of chemicals in more than 18,000 common household products. based on chemical ingredients. A TOXNET database.
Integrated Risk Information System (IRIS)	purple		Q4 FY2019	Integrated Risk Information System (IRIS) contains data in support of human health risk assessment, including hazard identification and dose-response assessments. It is compiled by the U.S. EPA and contains descriptive and quantitative information related to human cancer and non-cancer health effects that may result from exposure to substances in the environment. A TOXNET database.
International Toxicity Estimates for Risk (ITER)	purple		Q4 FY2019	International Toxicity Estimates for Risk includes risk information for over 600 chemicals from authoritative groups worldwide. A TOXNET database.
LactMed	purple		Completed	LactMed, a Drugs and Lactation Database, provides information on drugs and other chemicals to which breastfeeding mothers may be exposed. Find information about maternal and infant drug levels, possible effects on lactation and on breastfed infants, and alternative drugs to consider. A TOXNET database.
LiverTox	yellow	3,740,565	Q3 - Q4 FY2019	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and management of liver injury attributable to prescription and nonprescription medications, herbals and dietary supplements. A collaboration with National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK).
NIH Disaster Research Response Program (DR2)	Red	15,355	Q3 - Q4 FY2019	The NIH NIH Disaster Research Response Program (DR2) program is a collaboration between National Institute of Environmental Health Sciences (NIEHS) and NLM with the potential for additional NIH Institutes and Centers to join. DR2 is the national framework for research on the medical and public health aspects of disasters and public health emergencies.
Pillbox	Yellow	921,103	Q3 - Q4 FY2019	Pillbox enables rapid identification of unknown solid-dosage medications (tablets/capsules) based on physical characteristics and high-resolution images.
Radiation Emergency Medical Management (REMM)	Yellow	388,653	Q1 FY2020	Radiation Emergency Medical Management (REMM) is a resource to assist healtcare providers diagnosis and treat a variety of radiation injuries.
SIS main website	Red		Q3 FY2019	The SIS main website provides access to the resources offered by SIS, in the areas of toxicology and environmental heatlh, chemistry, HIV/AIDS, disaster health, and topics relevant to specific populations.
Substance Registration System	Green	520,379	Q3 - Q4 FY2019	The Substance Registration System is a joint FDA/USP project to support health information technology initiatives by generating unique ingredient identifiers (UNIIs) for substances in drugs, biologics, foods, and devices. A collaboration with FDA.
Toxline	purple		Underway	
Tox Mystery	Red		Gone already	Tox Mystery is an interactive game about toxic substances for children ages 7-10. Site will be sunset in fall of
Tox Town	Green	1,129,615	Q1 FY2020	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals.
Tox Tutor	Yellow	549,607	Q1 FY2020	tox Tutor provides college-level tutorials on the basic principles of toxicology, toxicokinetics, cellular toxicology, and related topics, e.g., exposure science and risk assessment. It is a self-paced tutorial covering key principles of toxicology for users of the NLM chemical and toxicology databases.
ToxMap	Red		Q4 fy2019	TOXMAP: Environmental Health Maps provides searchable, interactive maps of EPA TRI and Superfund data, plus US Census and NCI health data
TOXNET	purple	7,957,267	Q4 FY2019	TOXNET is a search system for a cluster of databases covering toxicology, hazardous chemicals, environmental health and related areas.

Wireless Information System for Emergency Responders (WISER)	Yellow	624,253	Q1 FY2020	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, managers, and healthcare providers in hazardous materials incidents.

From: Backus, Joyce (NIH/NLM) [E]
Sent: 13 Feb 2019 22:06:25 +0000
To: Gillikin, David (NIH/NLM) [E]
Subject: Draft charter template for working group?
Attachments: SIS and LO offerings with colors and working groups.xlsx

David – this is still confidential although Patti did share an SIS only version with that Division this afternoon.

Could you see if you can draft a charter for your group that we can turn in to a template to charter the others?

Here's some material that every group should consider.
We should probably talk to clarify these 5 pm thoughts.
Thank you!
Joyce

Red - Sunset, Yellow - evaluate for sunset/transition, Green - maintain, recommend efficiencies, Purple - Sunset delivery platform, integrate info consolidated platforms

Considerations for maintaining, evolving or keeping an NLM offering

NLM is committed to support key offerings in toxicology and environmental health

NLM should consolidate information into as few platforms as practical for improved user experience and discoverability

Consider every offering and justify keeping it or sunset it.

Give priority to resources that are unique, that are highly connected to an NLM offering, or clearly contribute to furthering the strategic plan

Sunset offerings that don't have a clear sustainability or succession plan

Sunset offerings that have low or declining use

Consider staff and contractor cost to sustain and upgrade the content and technology - nothing is free

NLM shouldn't be a web provider for another agency/entity just because they pay

Consider appropriate level of NLM commitment to disaster preparation information and K-12

	Chem/Tox	Drug information	Consumer health	Disaster information	Data distribution	AIDS	Outreach & Training
Senior Leader(s)	**Florence Chang** **Jim Ostell** **Joyce Backus**	**Joyce Backus** **Clem McDonald** **Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman -	Barbara Bushman	NLM/OD with NIH, HRSA, etc	Amanda Wilson
Members	Evan Bolton Stacy Lathrop	David Hale Olivier Bodenreider	Laura Bartlett Colette Hochstein	NNCO Lisa Sedlar	Pete Seibert or Mike Davidson Eric Sayers		
	Bert Hakkinen Jean Goshorn	Tammy Powell or Chris Hui Patrick McLaughlin or team member	Fedora Braverman	Siobhan Champ-Blackwell	Rebecca Goodwin		
	Jim Pash	Jen Jentsch Duc Nguyen or team member Wei Ma or team member NCBI?	OCPL NNCO MMS-training		David Hale OCCS LHC		

Offering Name	Offering Short Description	Roll, Yellow, Green	Column2	page views 2018	Timeline FY2022	working group	Offering Type	Primary Organization Name	API Access	Raw Data FTP	Software	Website Access	Print Media	Mandate Source Type	Mandate Reference	Primary Offering Owner Name	Congress	NIH	Researchers	Clinicians	Federal Agencies	Lay Public	NLM Internal	Commercial Entities	International Collaborators	Educators	Libraries/Librarians	MedlinePlus Website Health areas	Students	Press/Publishers	Priority
AIDSinfo	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to deliver AIDSinfo, an resource providing information on HIV/AIDS clinical trials and federally approved HIV treatment and prevention guidelines, publications on HIV/AIDS clinical trials, and other HIV/AIDS-related research information for health care providers, researchers, people affected by HIV/AIDS, and the general public. The historical archive is AIDSinfo offers access to a comprehensive collection of HIV/AIDS publications, reviewed and vetted for input of information specialists and librarians. Materials are available in Spanish, materials as well.	yellow	UD		8,873,086	May 2019 - Q4 2020	AIDS (DS, LD, OD, OAR, NIAID) Nicole Saidi (DS) TBD (LD) TBD (Brennan (OD) TBD (OAR) TBD (NIAID)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x		1999 Policy Hopk Act 1988 PL 100-607	Nicole Saidi Wilda Scott		x	x	x	x	x	x			x					8
AIDSource	AIDSource offers access to a comprehensive collection of HIV/AIDS publications, reviewed and vetted for input of information specialists and librarians. Materials are available in Spanish, materials as well.	yellow	UD		96,615	May 2019 - Q4 2020	Consumer (DS/LD)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		1999 Policy	Nicole Saidi		x	x	x	x	x	x			x	x					5
AIMBA	AIMBA provides resources on Alkoxyradicals in the Use of Liver Vesiculases in Biomedical Research and Testing.	green	pubmed topic queries			Q3	Chang/Tse Scott Nicholson (LTO) TBD (LD)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown	Perdit Haddrem		x	x	x	x	x	x			x					1
American Indian Health	American Indian Health is a source for information about the health and well-being of Native Americans and Alaska Natives. Portal to be moved in FY2022.	red				Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., Note: tell	Laura Bartlett		x			x										1
Arctic Health	Arctic Health is a source for information about diverse aspects of the Arctic environment and the health of northern peoples. Portal to be moved in FY2022.	red				Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., Note: tell	Laura Bartlett		x			x										1
BabelBERT	BabelBERT is a cross-language tool for searching MEDLINE/PubMed intended for users who are not fluent in English. Portal to be moved in FY2022.							Digital Service	Lister Hill National Center for Biomedical Communications / Computer Science Branch			x			Unknown	Paul Fontelo			x												1
CBIR pillDimage collection	Computational Photography Project for Pill Identification (CBPI) is a database of pill image and data available to the public.							Data	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	x	x					Lee Peters/Olivier Bodenreider			x												
CHLTAMACE	Covered Domain Database Exhibitively Protein Architecture Labeling Engine (CBDDPAMACE) is a tool that provides protein domain annotations and is a source for sequence-alignment models for ancient domains and full-length proteins. It also provides functional characterization and labeling of protein sequences that have been shown by their characteristic domain							Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	x	x	x	x			Wojciech Rzasa, Ncbi			x												
Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass-casualty chemical incident.	yellow	unlimited visits, 1TB max for duplication, environmental noise	599,389	Q1 FY2020	Disaster co Chang/Tse Wu (LD)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x		Other (e.g., Note: tell	Companion to NIH20 with a focus on mass casualty incidents; support for HHS responsibility for medical and public health management of public health emergencies (Pandemic and All-Hazards Preparedness Reauthorization Act - PAHPRA; Public Law 113-5; https://www.gpo.gov/fdsys/pkg	Bart Hutchison		x	x	x	x	x	x			x					6
ChemIDplus	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures) that is searchable by name, locator code, and other databases and resources, including links to federal, state and international agencies.	yellow	1 Replace with pubchem RDF to make plan	6,802,630	Q4	Chang/Tse Wu/Medlib D Joyce Backus (LCD) Jim Ostell (NCBI) Evan Bolton (NCBI) Terrence Chase (LBJ)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., Note: tell	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prog	Jeanne Goshorn		x	x	x	x	x	x			x					1
CHQDA	Consumer Health Information and Question Answering (CHIQA) is an experimental AI system that is learning how to answer health-related questions using reliable sources like MedlinePlus.							Digital Service	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	x			x																	
ClinicalTrials.gov	ClinicalTrials.gov is a tool for accessing a public database of privately and publicly funded clinical studies conducted around the world.							Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	x			x		Congress	Section 402(b) of the Public Health Service Act, ▼ (42 USC The Secretary, acting through the Director of NIH, shall establish, maintain, and operate a data bank of information on clinical trials for drugs for serious or life-threatening diseases and conditions. ..." ▼ Following enactment of the f	Elina Demner Rebecca J. Williams	x	x	x	x	x	x	x	x	x	x	x	x	x	x	4
Clinvar	Clinvar is an archive of human genetic variants and their relationships to disease.							Data	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	x	x		x		Unknown	Melissa Landrum		x	x	x	x	x	x			x					
Common Data Element (CDE) Repository	The NIH Common Data Element (CDE) Repository provides access to structured definitions and permissible values for individual data elements that have been recommended or required by NIH institutes and centers and other organizations for use in research and other purposes.	green	PRB suggest $$ in write budget request to OFC			Q2		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x		1999 Policy	Patricia McLaughlin Patricia McLaughlin	x	x	x	x	x	x	x			x					
CORE subset of SNOMED CT	The CORE subset of Systematized Nomenclature of Medicine — Clinical Terms (SNOMED CT) is a subset of clinical data that is most useful for documenting and encoding clinical information at a summary level.							Data	Lister Hill National Center for Biomedical Communications / Computer Science Branch			x																		
DailyMed	DailyMed provides trustworthy information about marketed drugs in the United States. DailyMed is the official provider of FDA label information (package inserts).	yellow	Xi to discuss with SI to consider consol			Q3	Jerry Sheehan Ivor D'Souza Olivier Bodenstein (LO) Jason Cobbs (LO)	Digital Service	Library Operations (LO) / Bibliographic Services Division	x		x	x		Other (e.g., Note: tell	Tammy Powell		x	x	x	x	x	x			x					
Data Discovery	The NIH Open data discovery site, presented via the Socrata platform, provides easy interface to view, filter, download, visualize, and explore datasets.	Yellow	IR, IB, IIS, PE to decide one of three platforms			Q3 Data Discovery (server) PUBD2 (re site/URL/file n	IR, LB, MDB, OEDS	Digital Service	Specialized Information Services (SIS) / Biomedical Informationimmation Branch	x			x		Unknown	David Hale		x	x	x	x	x	x			x					2
Data Distribution Program	The Data Distribution Program is an NCBI program, coordinated and supported by NIMS, which provides access and support to users accessing FTP files for various NLM data sets.	yellow	IR, IB, IIS to decide one of three platforms				IIS, LB, OEDS	Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section			x			NLM Policy/Strategic Plan	Peter Seibert		x	x			x	x			x					
dbGaP	The database of Genotypes and Phenotypes (dbGaP) was developed to archive and distribute the results that have investigated the interaction of genotype and phenotype in humans. It also provides administrators to request and access these data.							Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	x	x	x	x		NIH Policy	Mike Feolo		x	x	x	x	x	x			x					
dbSNP/dbVar	Single Nucleotide Polymorphism Database (dbSNP) and Database of Genomic Structural Variation (dbVar) are archives for a broad collection of small (<~50bp) and large (>50bp) human variations and associated phenotypes.							Product	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	x	x		x		Other (e.g., Note: tell	Lon Phan https://www.genome.gov/10001634/may-1999-ncbgc-meeting-summary/		x	x	x	x	x	x			x					
Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredient in dietary supplement products sold in the United States. DSID is a collaboration with the National Institutes of Health Office of Dietary Supplements (ODS).	Yellow	IR, PC DB to talk w/ S. DES to assess plan (Jean Goodwin		Q2-Q3, 2020	IIS, LB, OBS		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Unknown	Jeanne Goshorn		x	x	x	x	x	x			x					2
Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label-level information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. DSLD is a collaboration with NIH's Office of Dietary Supplements (ODS).	Yellow	ux - need to look at long term viability with S. Indexing & regex search	164,767	Q1-Q3, 2020	IIS, LB, OBS		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x		Unknown	Jeanne Goshorn		x	x	x	x	x	x			x					2
Digital Collections	NLM Digital Collections comprises texts, images, audiovisuals, maps and software. Includes both scanned and born-digital items.	green	IR to work with DECI to ensure images, archives, XSR, Disaster Unified Approach to Access					Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	x			x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/html/USCODE-2011-t	Jennifer Gilbert	x	x	x	x	x	x	x	x	x	x	x	x	x	x	6
Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and technology for disaster and public health professionals, researchers, educators, and the media. The focus is to connect people to quality disaster and public health emergency information and foster excellence in community	Yellow	65,876		Q2 2020	Disaster (DS/LIS)		Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., Note: tell	https://collections.nlm.nih.gov/catalog/nlm:nlmuid-101584932X291-doc https://collections.nlm.nih.gov/web/Active/policy/9101298936/9101300502.pdf; (Recommendations 1.3 and 1.6)	Wesley Wilkerson		x	x	x	x	x	x			x					6
Disaster Lit: Database for Disaster Medicine and Public Health	Disaster Lit, the database for Disaster Medicine and Public Health, contains links to disaster medicine and public health emergency preparedness, response, and recovery web resources. Includes guidelines, research reports, training classes, fact sheets, websites, databases, data sets, and policy materials.	Yellow	when rights acquired, will move to digital collections and curated by spring 2020	78,751	Q2 2020	Disaster (DS/LIS)		Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x		Other (e.g., Note: tell	https://collections.nlm.nih.gov/web/Active/policy/9101298936/9101300502.pdf; (Recommendations 1.3 and 1.6) https://collections.nlm.nih.gov/web/Active/policy/9101298936/9101300502.pdf; (Recommendations 1.3 and 1.6)	Stacey Arnesen Stacey Arnesen	x	x	x	x	x	x	x	x	x	x	x	x	x	x	6 6
DOCLINE	DOCLINE is an automated inter-library loan (ILL) service for U.S. libraries and a few libraries in many countries. It is the primary component of the National Network of Libraries of Medicine (NNLM).	green						Digital Service	Library Operations (LO) / Public Services Division / Collection Issues Section				x		Congress	Enacting legislation	Public Services Division	x			x		x			x					
Drug Information Portal	The Drug Information Portal contains information for over 50,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites.	Yellow		1,378,186	Q3 - Q4 (starting)	Drug WG (DS, LD, NCBI, LHC, OCCS)		Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Unknown	Jeanne Goshorn		x	x	x	x	x	x			x					2
Environmental Health Student Portal	The Environmental Health Student Portal provides educational resources for middle school students and educators.	Red		96,615	Q3	IIS, LB		Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., Note: tell	Alla Keselman		x		x										1
Environment of Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental health and toxicology.	Red	Mig site to new Portal Platform	77,086	Q3 - Q4	Consumer OIS, OTS Terry Ahmed (LO) Cookie Hacketorn (OTS)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prog	Cookie Hacketorn	x	x	x	x	x	x	x	x	x	x	x	x	x	x	5
GenBank	GenBank is an archive of assembled, annotated nucleic acid sequences that are deposited by scientists worldwide as part of their research projects.							Data	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	x	x	x	x		Unknown	Dave Marsolf		x	x	x	x	x	x			x					
GeneExif	GeneExif is a portal of genetic topics such as aging, biology, DNA, genes, epigenetics and more for students and teachers. Information from this site will be merged with GeneReviews. Retirement to occur in January 2020.	Red		621,078	Q3 (March 31, 2018)	Alla Keselman	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., Note: tell	Alla Keselman		x		x	x					x	x		x			
GeneEco Home Reference	GeneEco Home Reference is consumer health resource that provides information for the general public about the impact of genetic variation on human health.	Red	REMAPPED into MEDLINE Plus Genetics IT's list of us			Q3	Oliver Ruepp Wei Ma (LCG) Mark Sunnek (LO) Stephanie Morrison (LO)	Digital Service	Specialized Information Services (SIS) / Public Services Division / Reference and Web Services Section	x			x		Unknown	None	Public Services Division	x	x	x	x		x			x					
GEO	Gene Expression Omnibus (GEO) is an international public repository that archives and freely distributes microarray, next-generation sequencing, and other forms of high-throughput functional genomic data submitted by the research community.							Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	x	x		x		Unknown	Tanya Barrett		x	x	x	x	x	x			x					
Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 6,800 chemicals. It TEHIP database.	green	going to Pubchem, something interface			Q4	Chang/Tse Wu/Medlib D Joyce Backus (LCD) Evan Bolton (NCBI) Terrence Chase (LBJ)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., Note: tell	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prog	Jeanne Goshorn		x	x	x	x	x	x			x					1
HazMap	Haz-Map® is an occupational health database designed for health and safety professionals and for consumers seeking information about hazardous substances and their exposures in occupational and biological settings. Haz-Map® is a link between chemicals and occupational diseases.	Red	Plan sunset by July 2019, IT	87,233	Q3 - Q4	Chang/Tse OIS, LO, NCBI	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown	Perdit Haddrem		x	x	x	x	x	x			x					1
HealthReach	HealthReach is a database of easy-to-read, multilingual health information for library and community workers providing service to individuals with limited English proficiency.	green	sunset prioritize, decide consolidation in next English, low literacy health information	250,781	Q4 - FY2020 Q1	Consumer (DS/LIS) Stephanie Morrison Terry Ahmed Nishant Hanoh-Lewis Bartlett	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		Other (e.g., Note: tell	Laura Bartlett		x			x			x								5
HMD Fostering New Blog	Circulating New raises awareness of the historical collections of the National Library of Medicine and informs the public about the resources, services, events and activities of the NLM History of Medicine Division.	green						Digital Service	Library Operations (LO) / History of Medicine Division				x		NLM Policy/Strategic Plan	Elizabeth Mullen		x	x	x	x										
HMD Digital Gallery	HMD Digital Gallery is an online presentation of curated digitized content that links to collections and services. The curated assets that comprise digital galleries support and enhance online exhibitions' content. Currently, every Digital Gallery is connected to an online	green						Digital Service	Library Operations (LO) / History of Medicine Division / Exhibitions Section				x		NLM Policy/Strategic Plan	Objective 2.2: Foster distinct services of NIH as a reliable, trustable source of health information and biomedical data	Patricia Tuohy				x								
HMD Directory of History of Medicine Collections (DHMC)	HMD Directory of History of Medicine Collections (DHMC) is rapidly-fading database containing information on collections in the History of Medicine Division and elsewhere.	yellow						Digital Service	Library Operations (LO) / History of Medicine Division				x		NLM Policy/Strategic Plan	Objective 2.2: Foster distinct services of NIH as a reliable, trustable source of health information and biomedical data	Lindsay Hanz				x								
HMD OCR Portions of Judgment	HMD OCR Portions of Judgment is a public interface to the digital archive of the IOM Records of Judgment	Red						Digital Service	Library Operations (LO) / History of Medicine Division	x			x		Strategic Plan														

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From: Zaringhalam, Maryam (NIH/OD) [E]
Sent: 14 Feb 2019 16:14:33 +0000
To: Chang, Florence (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E]
Subject: Information Request for Glossary of NLM Divisions
Attachments: Division of Specialized Information Services (SIS) Programs.docx

Hi Joyce and Florence,

I'm working in Mike Huerta's group putting together a glossary with summaries of each of NLM's Divisions to act as an internal reference guide for NLM staff to get a sense for what different divisions do across the library. Kathel Dunn mentioned that because SIS programs are being phased out or absorbed by OCCS and LO soon, I should write the glossary to reflect these changes. I was wondering if you might have information to share on where SIS programs and products are going so that I can update the glossary accordingly? Alternatively, if it's easier, I've attached a document with summaries of the branches and programs I had under SIS if you'd like to have a look to tell me what is going where.

If you have any questions, please let me know.

Thanks so much,
Maryam

Division of Specialized Information Services (SIS)

The Division of Specialized Information Services creates information resources and services covering toxicology, environmental health, HIV/AIDS, outreach to underserved and special populations, HIV/AIDS, drugs and dietary supplements, household products, and disaster/emergency preparedness and response.

TOXICOLOGY AND ENVIRONMENTAL HEALTH INFORMATION PROGRAM (TEHIP)

The SIS Toxicology and Environmental Health Information Program produces an integrated database, TOXNET, with information on hazardous chemicals, toxic releases and environmental health. The Program produces several products to relay information related to toxicology and environmental health to the public, including TOXMAP®, Haz-Map®, Tox Town®, and the Household Products Database. TEHIP has also produced games to engage students in learning about environmental health concerns.

OUTREACH AND SPECIAL POPULATIONS BRANCH (OSPB)

The Outreach and Special Populations Branch (OSPB)manages and develops programs to eliminate disparities in health information access by providing community outreach support, training health professionals on NLM's health information databases, and designing websites that discuss the concerns of various racial and ethnic groups. These programs reach health professionals, public health workers and the general public, especially about health issues that disproportionately impact minorities such as environmental exposures and HIV/AIDS. OSPB also has a growing program to reach K-12 teachers and students, including the Environmental Health Student Portal and GeneEd.

DISASTER INFORMATION MANAGEMENT RESEARCH CENTER (DIMRC)

The Disaster Information Management Research Center (DIMRC) develops and provides access to health information resources and technology for disaster and public health emergency preparedness, response, and recovery. DIMRC focuses on maintaining access to health information at all phases of disasters and public health emergencies, developing innovative products and services for emergency personnel, conducting research to support disaster health information management, and collaborating with other agencies and communities.

OFFICE OF CLINICAL TOXICOLOGY

The Office of Clinical Toxicology (OCT) develops new resources and enhances existing NLM resources for professionals in toxicology and related fields.

From: Nurik, Jody (NIH/OD) [E]
Sent: 16 Feb 2019 13:59:50 -0500
To: Fisher, Allison (NIH/NLM) [E]
Subject: Re: Updated

Looks great!!!

After you load them in co-schedule – Personal Info

Personal Info

Personal Info

Jody

From: Allison Fisher <allison.fisher2@nih.gov>
Date: Saturday, February 16, 2019 at 1:47 PM
To: "Nurik, Jody (NIH/OD) [E]" <jody.nurik@nih.gov>
Subject: RE: Updated

Perfect! I love the additions! Sending along the FINAL FINAL version that I'll upload into co-schedule, thanks for your help! I'll send along a final email with the attachment again to you and Candy once it's in.

Hurrayy!!

From: Nurik, Jody (NIH/OD) [E]
Sent: Saturday, February 16, 2019 1:24 PM
To: Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: Re: Updated

Hi Allison,

You did a fantastic job with this. I made one suggested edit to the new clinical trials message (no big deal if it isn't changed) and recommend we do not message on Toxnet – see comment box about it and two new messages I recommend adding that cover Open-I and BLAST. Please feel free to change them around.

THANKS! THANKS! THANKS!

From: Allison Fisher <allison.fisher2@nih.gov>
Date: Saturday, February 16, 2019 at 11:22 AM
To: "Nurik, Jody (NIH/OD) [E]" <jody.nurik@nih.gov>
Subject: Updated

Hi there,

Ok so I beefed this up a bit, took their edits and re-hashed a bit. Please take a look at let me know what you think!

Just for reference here were the notes that I took from their edits where we needed improvement:

- Clear mission & purpose
- More on clinicaltrials.gov (I added another post about this)
- Consistent font/font size (All Calibri body 12 pt font)
- Collaborations with other IC's (I used the reference in the most recent MedlinePlus Magazine, we collaborate with NIAMS and the website seems to be in good shape!)
- Only spell out NLM 1 time on the first day
- Reference Open-I, BLAST, Toxnet (I think they pointed to these because they are the main databases on NLM's homepage, I added a post about TOXNET but Open-I and BLAST aren't familiar territory for me and I think we're ok leaving them out)

Please let me know what you think!

Allison

From: Chang, Florence (NIH/NLM) [E]
Sent: 19 Feb 2019 14:54:33 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E]
Subject: Status of SIS sunset requests
Attachments: RE: Four SIS Sunset Requests, FORM REQUEST TO RETIRE NLM TOXMAP Nov 2019rev.docx

Jerry,

You approved sunset plan for CHIRR, ToxMystery, and GeneEd. We are working on Letter of Agreement with Society of Toxicology for them to take the archived version of ToxLearn. There are two remaining ones, ToxMap, and CPDB. We provided additional information and revised sunset plan, attached with this email. There will be two more plans, one for Arctic Health, and another one for American Indian Health, ready for you to review. Let us know if you want to wait for the new sunset system to go live to process these two new ones.

Thanks!

Florence

From: Chang, Florence (NIH/NLM) [E]
Sent: 31 Dec 2018 19:15:38 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Cravedi, Kathleen (NIH/NLM) [E];Kelly, Janice (NIH/NLM) [E]
Subject: RE: Four SIS Sunset Requests
Attachments: FORM REQUEST TO RETIRE NLM TOXMAP Nov 2019rev.docx

Jerry,

Please see the usage metrics and answers to your questions. The sunset request form is updated, the fields that have new content are highlighted in yellow. I will sign it after your review.

TOXMAP Google Analytics for the past 6 months

Users 35,308

New Users 34,969

Sessions 42,828

Number of Sessions per User 2.41

Pageviews 108,658

Pages / Session 10.3

Answers to the questions in red:

I have a few questions about the retirement of TOXMAP that I think are important to address in the sunsetting document and subsequent communication materials.

- Can you provide greater detail about what TOXNET functionality is and is not no provided by EPA (the document says EPA offers “some” functionality – we should be clear about what’s not provided by EPA)

  The TOXMAP-Classic, developed in the early 2000, featured the ability to provide context-sensitive search to TOXNET to get to environmental health literatures related to the geo-location the users searched in TOXMAP. The TOXMAP-Classic was built on Apache-Axis platform which was no longer supported since 2006. TOXMAP-beta was the next implementation, which uses Adobe Flash, which also became an obsolete platform. The latest TOXMAP implementation uses modern technology platform. But it only has basic “out of the box” GIS features. To further develop this version to have the customized features of TOXMAP-Classic and TOXMAP-beta, i.e., the context-sensitive search into TOXNET, will take a major investment in software development. By looking at the usage of the unique searches into TOXNET from TOXMAP-classic, it only

averaged about 400 searches a year. The usage does not justify the further investment in development.

EPA has several GIS applications and a new visualization tool of TRI data that have the similar GIS features of TOXMAP. https://www.epa.gov/geospatial/epa-geospatial-applications; https://edap.epa.gov/public/extensions/TRINA_dashboard_2016/TRINA_dashboard_2016.html

- Can you provide greater detail on what TOXNET content will NOT be available from other sources? It appears that much of the data are available from other sources. We should be clear about any data that will no longer be available. Or is it just that the info won't be available from a single source and other (original) sources don't provide all the functionality we offer.

  TOXMAP collected several GIS datasets from other original sources to make the GIS application meaningful and comprehensive. TOXMAP is the one single resource that pulls these relevant datasets together.

  However, these datasets are still available from their original sources. In a GIS application like the EPA's EnviroMapper, https://www.epa.gov/emefdata/em4ef.home, users can add these datasets, available from ArcGIS, or from the web, as additional layers to the map.

Thanks!

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, December 12, 2018 9:36 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Cravedi, Kathleen (NIH/NLM) [E] <cravedik@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Four SIS Sunset Requests

Also, can you provide some estimate of the usage and users of TOXMAP? Thanks
Jerry

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, December 12, 2018 9:35 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Cravedi, Kathleen (NIH/NLM) [E] <cravedik@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: FW: Four SIS Sunset Requests

Florence,
I have a few questions about the retirement of TOXMAP that I think are important to address in the sunsetting document and subsequent communication materials.

- Can you provide greater detail about what TOXNET functionality is and is not no provided by EPA (the document says EPA offers "some" functionality – we should be clear about what's not provided by EPA)
- Can you provide greater detail on what TOXNET content will NOT be available from other sources? It appears that much of the data are available from other sources. We should be clear about any data that will no longer be available. Or is it just that the info won't be available from a single source and other (original) sources don't provide all the functionality we offer.

Thanks,
Jerry

From: Cravedi, Kathleen (NIH/NLM) [E]
Sent: Friday, November 30, 2018 10:30 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Four SIS Sunset Requests

For your review and approval. Please let me know your thoughts. Kathy

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REQUEST TO RETIRE NLM TOXMAP

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) The US EPA now produces several GIS products and visualization applications (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality, except the ability to search TOXNET from within the GIS tools. This was a unique feature in TOXMAP-classic, which was retired due to the obsolete technology platform. The new version of TOXMAP does not have this feature either. To make the new TOXMAP to have this feature will require major investment in software development. We cannot justify the effort because the usage of this feature was very low, averaging about 400 searches a year.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Initial Here Date

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff. Identify who needs to be informed? (staff, contractors) SIS staff, NLM staff, NNLM staff and core set of dedicated users from the Public Health and Toxicology Communities.

1. Determine questions that may need to be addressed. These may include:
   What information needs to be provided? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now

provides several GIS products that provide similar GIS functionality of TOXMAP.

- When will the information be provided? End of FY2019
- By what method(s) will information be provided? Example: Email to all NLM staff Email, GovD posts, announcement on TOXMAP web site
- If multiple messages are to be sent, by what method(s) and with what frequency? Over a three-month period.
- Are there any potential areas for misunderstanding or concern? None except that core users of TOXMAP will not have a comparable resource available.

2. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now provides several GIS products that provide similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) US EPA GIS applications and TRI applications; possibly NLM TOXNET TRI
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS.
    - What staff will be involved in this transition? Colette Hochstein
3. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☐ Information delivered at staff meetings
    - ☐ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☐ Other (Explain) Enter other mechanism(s)
4. Develop and attach a set of Talking Points for the NLM Director TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program. It will be retired at the end of FY2019. It no longer aligns with NLM priorities and because the US EPA now provides several GIS products that provide similar GIS functionality.
5. Does the NIH Director or other IC Directors need to be informed? No

    If Yes, check all that apply:

    ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☒ Other (Please elaborate) SIS has worked for many years with the US EPA regarding the data and functionality of TOXMAP. Their staff should be informed of its status.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other original sources. GIS application users can access them by overlaying the data in their GIS applications. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other sources. GIS application users can access them by overlaying the data to the maps. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

- How can I or how can my group be involved in this transition? Provide related information as needed.

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Colette Hochstein, Florence Chang

☐ Due date 9/30/2019

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
   - When will the information be provided? Starting Summer 2019)
   - With what frequency? Monthly
   - Are there potential areas for misunderstanding or concern? Probably not.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI
   - How will NLM respond to questions and comments? Staff will respond to questions received through customer service emails
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Name	Colette Hochstein, Florence Chang

From: Zaringhalam, Maryam (NIH/OD) [E]
Sent: 19 Feb 2019 21:31:25 +0000
To: Dunn, Kathel (NIH/NLM) [E];Huerta, Mike (NIH/NLM) [E]
Subject: Re: OneNLM Glossary of NLM Divisions/Sections
Attachments: NLM Divisions at a Glance v3.docx

Hi Mike and Kathel,

Attached is the updated draft with changes tracked. I asked Forence and Joyce about incorporating the SIS programs into LO and OCCS, but they both thought it would be premature for me to update their divisions before June when SIS staff are reassigned so asked if I could hold off until then. I also wasn't sure if I should remove the offices listed below NNLM. If there are other changes you'd like me to make or if there's anything I missed, let me know!

Thanks,
Maryam

From: "Dunn, Kathel (NIH/NLM) [E]" <dunnk@mail.nlm.nih.gov>
Date: Wednesday, February 13, 2019 at 5:37 PM
To: "Zaringhalam, Maryam (NIH/OD) [E]" <maryam.zaringhalam@nih.gov>, "Huerta, Mike (NIH/NLM) [E]" <mike.huerta@nih.gov>
Subject: RE: OneNLM Glossary of NLM Divisions/Sections

Maryam,

You're welcome. It's possible you might be able to make use of Florence's presentation today to the Board of Regents (last presentation; should shortly be archived for re-viewing). But otherwise, yes, Florence and Joyce should be able to give some information, even if limited.

Kathel

From: Zaringhalam, Maryam (NIH/OD) [E]
Sent: Wednesday, February 13, 2019 4:25 PM
To: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>; Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Subject: Re: OneNLM Glossary of NLM Divisions/Sections

Thank you for the feedback Kathel! I've incorporated most of the updates, but am waiting on Jeff and Rebecca at HMD to give me some copy on the Images & Archives Section since there isn't much on their website. As for SIS, do you have any thoughts on how I should proceed with including SIS programs and products, or should I just hold off on making changes until that information comes through from Joyce and Florence?

Hopefully I'll have this done by tomorrow!

Best,
Maryam

From: "Dunn, Kathel (NIH/NLM) [E]" <dunnk@mail.nlm.nih.gov>
Date: Wednesday, February 13, 2019 at 8:31 AM
To: "Huerta, Mike (NIH/NLM) [E]" <mike.huerta@nih.gov>
Cc: "Zaringhalam, Maryam (NIH/OD) [E]" <maryam.zaringhalam@nih.gov>
Subject: RE: OneNLM Glossary of NLM Divisions/Sections

Mike and Maryam:

Great compilation of NLM writ large. :--) A few notes:

- Specialized Information Services is going away soon enough that listing them separately is not useful:
    - SIS staff are to be notified in March where they are going (LO, OCCS)
    - The org chart's already been changed
- But! Super useful to have information about where SIS programs and products are going; that information should be shortly available
    - Contact: Joyce Backus, Florence Chang
- Audiovisual Program Development Branch (APDB) – same – moving up and integrating with OCPL soon
    - Contact: Jody Nurik
- History of Medicine Division has 3 sections and they'd most likely expect to be identified individually as other organizational units are:
    - Exhibition Program Section
    - Images & Archives Section
    - Rare Books & Early Manuscripts Section
- NNLM – this one is tricky; none of the offices listed below it – docline, evaluation, public health coordination, training, web services are staffed by either Feds or contractors; they are all grantees so shouldn't be listed if it's an organizational document; could be listed if you were taking a program approach

Comments within the document as well.

Kathel

From: Huerta, Mike (NIH/NLM) [E]
Sent: Friday, February 8, 2019 10:58 AM
To: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>

Cc: Zaringhalam, Maryam (NIH/OD) [E] <maryam.zaringhalam@nih.gov>
Subject: FW: OneNLM Glossary of NLM Divisions/Sections

Hi Kathel – Attached is a summary of NLM organizational divisions. Please let Maryam know what you think and revise as you think makes sense. Thanks much – Mike

---

From: Zaringhalam, Maryam (NIH/OD) [E]
Sent: Thursday, February 7, 2019 11:02 AM
To: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Subject: OneNLM Glossary of NLM Divisions/Sections

Hi Mike,

I just finished pulling together summaries for the divisions across NLM. If there was anything I left out, or if this isn't quite what you were envisioning, let me know!

Best,
Maryam

***

Maryam Zaringhalam, PhD
(she/her/hers)
AAAS Science & Technology Policy Fellow
Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

NLM Divisions at a Glance

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Office of the Director (OD)

OFFICE OF STRATEGIC INITIATIVES (OSI)

The Office of Strategic Initiatives (OSI) serves as principal advisor to the NLM Director for matters and programs concerning strategic directions of NLM, including open science, as well as analysis, evaluation, and reporting of and on NLM programs and activities. OSI staff lead development of strategic plans and coordinates their implementation and evaluation, serving as the NLM lead for programmatic evaluation and formal reporting, as well as the NLM point of contact and liaison with external stakeholders and organizations. Additionally, OSI develops, communicates, and coordinates, plans for trans-NLM and NIH data science and open science initiatives, activities, and interests ~~as well as activities in the areas of open science and the intersection of open science and data science~~. OSI also coordinates technology transfer for NLM and supports NLM policy development and legislative tracking. In addition, OSI manages and oversees NLM's international programs.

Comment []: I really liked the one page (double-sided) information on OSI that Mike shared with the Associate Fellows; is it possible to expand on OSI's work at this point; or link to a web page with that information? Do you have a web page?

Comment []: We don't have a webpage yet, but I tried expanding this out.

OFFICE OF COMMUNICATIONS & PUBLIC LIAISON (OCPL)

The Office of Communications & Public Liaison (OCPL) is a point of contact for a variety of information about NLM programs in written, electronic, and graphic forms. OCPL staff answer requests for information about the NLM, create brochures and fact sheets, printing procurements, coordinate publicity for NLM events, and arrange tours.

AUDIOVISUAL PROGRAM DEVELOPMENT BRANCH (APDB)

The Audiovisual Program Development Branch (APDB) is housed within OCPL and conducts media development for LHNCBC's research, development, and demonstration projects; provides consultation and materials development for NLM information programs; and engineers technical improvements for media production. Staff provide high quality video, audio, imaging, and graphics materials for LHNCBC's research and demonstration projects, often collaborating on initial project conception, implementation, and final evaluation.

OFFICE OF ADMINISTRATION (OA)

The Office of Administration (OA) houses the Office of Acquisitions, which awards NLM's effective contracts and oversees acquisitions. OA also encompasses the Executive Office, the Office of Administrative Management Services, and the Office of Financial Management.

Division of Extramural Programs (EP)

The Division of Extramural Programs (EP) offers grants for research projects, research training, and career development in biomedical informatics and data science. In addition, EP runs a special

collaborative program with other NIH ICs to support bringing informationists (e.g., librarians and other information specialists) into NIH-funded research teams to enhance data management and sharing. Grants are also made to U.S. small businesses to support informatics research and development that may lead to commercialization. EP also has two unique programs to support resource projects in the history and philosophy of medicine and public health and for developing information resources to help reduce health disparities. All active grant programs of NLM, lists of recent awardees, and contact information for grant staff are provided at nlm.nih.gov/ep.

Division of Library Operations (LO)

The Division of Library Operations (LO) ensures access to biomedical and health sciences literature, while supporting NLM's outreach activities to range of stakeholders—from the biomedical research community to clinicians to librarians to the general public. LO's activities include curation, preservation, and dissemination of NLM's collection of literature; developing and disseminating vocabularies and a library classification scheme; conducting research related to current operations, products, and services; training and recruiting health sciences librarians; producing historical exhibitions; and conducting in the history of medicine. LO also coordinates the National Network of Libraries of Medicine to equalize access to health information across the United States.

BIBLIOGRAPHIC SERVICES DIVISION (BSD)

The Bibliographic Services Division (BSD) is responsible for the creation and maintenance of MEDLINE®, the NLM's citation database for biomedical literature references that fosters expanded access of health information to researchers, health professionals, and the general public. BSD divided into the Office of the Chief and two sections: the Index Section and the MEDLARS Management Section (MMS).

THE OFFICE OF THE CHIEF

The Office of the Chief interacts with publishers and editors of biomedical journals and assists the Literature Selection Technical Review Committee in their review of journals for inclusion in MEDLINE. They also produce and manage drug information found in DailyMed and RxNorm.

INDEX SECTION

The Index Section creates and maintains the MEDLINE database of articles from biomedical research journals and coordinates the data review, indexing, and commentary content. Index Section staff also undertake research to generate more efficient forms of indexing and metadata application, as well as maintain the Medical Subject Headings (MeSH) vocabulary, which describe the content of a given citation in the biomedical research literature.

MEDLARS MANAGEMENT SECTION (MMS)

The MEDLARS Management Section coordinates the development and management activities for terminology products (e.g., UMLS, VSAC, and SNOMED CT) and provides training and outreach services to librarians for NLM's projects and services, including providing support for the Linkout for Libraries program to link PubMed citations to a given library's online holdings.

~~MEDICAL SUBJECT HEADINGS (MESH) SECTION~~

~~The MeSH Section provides a hierarchically-organized terminology for indexing and cataloging biomedical information such as MEDLINE/Pubmed and other NLM databases. The Section also distributes pharmaceutical information through our RxNorm database, and manage the curation of the UMLS and SnoMed database.~~

HISTORY OF MEDICINE DIVISION (HMD)

The History of Medicine Division collects, preserves, makes available, and interprets for diverse audiences one of the world's richest collections of historical material related to health and disease. HMD makes its collection available through a number of formats including its Exhibition Program, illustrated books, a blog, and the NLM Digital Collections.

EXHIBITION PROGRAM

The Exhibition Program creates lively and informative exhibitions and educational resources that enhance awareness of and appreciation for NLM's collections. Staff provide traveling banner exhibitions free of charge to public, university, and medical libraries, as well as cultural centers across the country. The Program's permanent online exhibitions act as educational resources to aid librarians and exhibition audiences in connecting to NLM's collection and health information resources.

RARE BOOKS AND EARLY MANUSCRIPTS PROGRAM

The Rare Books and Early Manuscripts Program collects, preserves, and makes NLM'S historical collection available to researchers and the public through a wide array of printed monographs, serials, and manuscript texts dating from the eleventh century. The historical collection includes more than 600,000 printed works, covering every area of the history of medicine and health sciences in the United States and Europe, as well as substantial collections of Latin American and Asian publications.

IMAGES & ARCHIVES SECTION

The Images and Archives Section has four archival areas: (1) the Archives and Modern Manuscripts Collection consists of personal papers and organizational records documenting predominantly American medical practitioners, biomedical scientists, health policy planners, and medical societies from about 1850 to the present; (2) the Historic Audio Visuals Collection is a principal repository for biomedical moving images in the U.S. and around the world; (3) the Prints and Photographs collection includes portraits, photographs, caricatures, genre scenes, posters, and graphic art illustrating the social and historical aspects of medicine; (4) the Digital Manuscripts Program manages Profiles in Science making

Comment []: Technically they exist but practically speaking they've been folded into Bibliographic Services Division. Maybe ask David Gillikin, Chief, Bibliographic Services Division how to treat this section?

the archival collections of leaders in biomedical research and public health available on its Profiles in Science® web site.

~~MEDICAL SUBJECT HEADINGS (MESH) SECTION~~

~~The MeSH Section provides a hierarchically-organized terminology for indexing and cataloging biomedical information such as MEDLINE/Pubmed and other NLM databases. The Section also distributes pharmaceutical information through our RxNorm database, and manage the curation of the UMLS and SnoMed database.~~

NATIONAL INFORMATION CENTER ON HEALTH SERVICES RESEARCH (NICHSR)

NICHSR works to improve the collection, storage, analysis, retrieval, and dissemination of information on health services research, clinical practice guidelines, and on health care technology, including the assessment of such technology. The Center also collaborates with other NLM divisions and members of the National Network of Libraries of Medicine to exhibit NLM products and services, as well as providing training opportunities for medical librarians to improve their ability to support health services research.

NATIONAL NETWORK OF LIBRARIES OF MEDICINE (NNLM)

The National Network of Libraries of Medicine (NNLM) works to advance the progress of medicine and improve public health by providing U.S. health professionals with equal access to biomedical and health information. The Network is comprised of over ~~6,500~~7,000 organizations throughout the country, including academic health sciences libraries, public and community college libraries, as well as community information centers and other organizations. NNLM offers funding for projects that improve access to health information, increase engagement with research and data, expand professional knowledge, and support outreach that promotes awareness and use of NLM resources in local communities.

NNLM DOCLINE COORDINATION OFFICE (NDCO)

DOCLINE is NLMS automated interlibrary loan request routing and referral system, which ensures the efficient delivery of documents among libraries in the NNLM. NDCO provides day-to-day customer support for DOCLINE participants and provides DOCLINE training and LinkOut assistance

NNLM EVALUATION OFFICE (NEO)

The NEO supports the evaluation and assessment needs of the National Network Steering Committee (NNSC) by providing consultation and resource services to assist NNLM members in planning and measuring the process and impact of all their activities, services, and resources.

NNLM PUBLIC HEALTH COORDINATION OFFICE (NPHCO)

The NPHCO manages, improves, and expands the Public Health Digital Library (PHDL) to achieve a cost-effective, sustainable model of providing access to information services for public health workers.

NNLM TRAINING OFFICE (NTO)

The NTO plans, creates, shares, delivers, and coordinates an instructional program and educational materials based on key NLM products and services for a variety of audiences throughout the NNLM.

NNLM WEB SERVICES OFFICE (NWSO)

The NWSO develops and maintains reliable Web services for NNLM public and internal needs, while ensuring that services are compliant with the U.S. Department of Health & Human Services Information Policies.

Comment []: Potentially delete if the document is organizationally focused; could include if it's programmatically focused.

PUBLIC SERVICES DIVISION

The Public Services Division (PSD) is responsible for providing access to, maintaining, digitizing, and preserving print and nonprint material in the NLM collection. PSD staff develop and maintain MedlinePlus and MedlinePlus Connect, which are consumer health information resources available on the NLM website.

COLLECTION ACCESS SECTION

The Collection Access Section provides patrons with access to the library's collection through the library's reading room and interlibrary loan system. The section also manages DOCLINE®, NLM's automated interlibrary loan request, routing, and referral system for sending and receiving document requests.

PRESERVATION AND COLLECTION MANAGEMENT SECTION

The Preservation and Collection Management Section works to extend the life of and expand access to NLM's collections through an active binding, digitization, and preservation program. Digitized titles are available online via NLM's Digital Collections. The section also digitizes backfiles of biomedical journal literature, which are made freely available online in PubMed Central (PMC).

REFERENCE AND WEB SERVICES

The Reference and Web Services Section helps to meet the biomedical information needs of U.S. health professionals, scientists, health sciences librarians, and the public, through both online and onsite support. Staff also maintain the NLM website, advise medical librarians in the United States, and create and maintain selected Topic-Specific Queries. The Section also manages MedlinePlus and

MedlinePlus Connect, which links health IT systems, patient portals, and electronic health record (EHR) systems to relevant, authoritative patient health information from MedlinePlus.gov.

TECHNICAL SERVICES DIVISION (TSD)

The Technical Services Division is responsible for building and organizing the modern collection of biomedical literature and other resources in support of research, health care, and the community of health sciences libraries. The division coordinates the Library's collection development guidelines and administers the library systems used to support the selection, acquisitions, cataloging and preservation of the NLM collection. TSD participates in national and international bibliographic control programs and standards development, including the new library standard, BIBFRAME.

~~The Technical Services Division is responsible for the selection, acquisition and cataloging of all materials for the NLM modern collection. TSD coordinates technical services programs and projects with the greater library community, and staff participate in the Program for Cooperative Cataloging (PCC), a coalition of libraries organized to promote effective cooperative cataloging.~~

OFFICE OF THE CHIEF

In addition to focusing on Division-wide planning, administration, and evaluation, the Office of the Chief periodically reviews and revises the Collection Development Manual of the NLM to ensure it reflects the ever evolving fields of healthcare, biomedical research, and new standards.

COLLECTION DEVELOPMENT AND ACQUISITIONS SECTION

The Collection Development and Acquisitions Section builds the NLM modern biomedical literature collection, including print and electronic resources and other digital content. Staff also assist in the selection of materials to digitize from the NLM collection, content for PubMed Central and the Bookshelf, foreign language support for MedlinePlus, and the Literature Selection Technical Review Committee (LSTRC).

CATALOGING AND METADATA MANAGEMENT SECTION

The Cataloging and Metadata Management Section reviews and develops cataloging policies. The Section creates and maintains the bibliographic records resident in NLM's public access catalogs, LocatorPlus and the NLM Catalog. Staff also maintain and develop the NLM Classification, a scheme for the shelf arrangement of medical literature in libraries.

LIBRARY TECHNOLOGY SERVICES SECTION

The Library Technology Services Section manages the bibliographic and digital library systems used to support the Division's collection development, electronic resources management, and cataloging operations, as well as coordinating the maintenance, development, testing, training, and documentation for numerous NLM systems. The Section leads the development of NLM's repository, Digital Collections.

Division of Specialized Information Services (SIS)

Comment []: Programs to be either maintained or eliminated. Staff going to LO or OCCS.

The Division of Specialized Information Services creates information resources and services covering toxicology, environmental health, HIV/AIDS, outreach to underserved and special populations, HIV/AIDS, drugs and dietary supplements, household products, and disaster/emergency preparedness and response.

TOXICOLOGY AND ENVIRONMENTAL HEALTH INFORMATION PROGRAM (TEHIP)

The SIS Toxicology and Environmental Health Information Program produces an integrated database, TOXNET, with information on hazardous chemicals, toxic releases and environmental health. The Program produces several products to relay information related to toxicology and environmental health to the public, including TOXMAP®, Haz-Map®, Tox Town®, and the Household Products Database. TEHIP has also produced games to engage students in learning about environmental health concerns.

OUTREACH AND SPECIAL POPULATIONS BRANCH (OSPB)

The Outreach and Special Populations Branch (OSPB)manages and develops programs to eliminate disparities in health information access by providing community outreach support, training health professionals on NLM's health information databases, and designing websites that discuss the concerns of various racial and ethnic groups. These programs reach health professionals, public health workers and the general public, especially about health issues that disproportionately impact minorities such as environmental exposures and HIV/AIDS. OSPB also has a growing program to reach K-12 teachers and students, including the Environmental Health Student Portal and GeneEd.

DISASTER INFORMATION MANAGEMENT RESEARCH CENTER (DIMRC)

The Disaster Information Management Research Center (DIMRC) develops and provides access to health information resources and technology for disaster and public health emergency preparedness, response, and recovery. DIMRC focuses on maintaining access to health information at all phases of disasters and public health emergencies, developing innovative products and services for emergency personnel, conducting research to support disaster health information management, and collaborating with other agencies and communities.

OFFICE OF CLINICAL TOXICOLOGY

The Office of Clinical Toxicology (OCT) develops new resources and enhances existing NLM resources for professionals in toxicology and related fields.

Lister Hill National Center for Biomedical Communications (LHNCBC)

The Lister Hill Center for Biomedical Communications (LHNCBC) develops advanced information resources and software tools for biomedical research used by health IT professionals, health care providers, and consumers. LHNCBC also leads the development, enhancement, and adoption of clinical vocabulary standards to facilitate interoperability between producers and receivers of health care data, as well as developing many projects related to Natural Language Processing and biomedical terminologies. The Center also provides training opportunities through the Biomedical Informatics Training Program.

AUDIOVISUAL PROGRAM DEVELOPMENT BRANCH (APDB)

The Audiovisual Program Development Branch (APDB) conducts media development for LHNCBC's research, development, and demonstration projects; provides consultation and materials development for NLM information programs; and engineers technical improvements for media production. Staff provide high quality video, audio, imaging, and graphics materials for LHNCBC's research and demonstration projects, often collaborating on initial project conception, implementation, and final evaluation.

COGNITIVE SCIENCE BRANCH (CGSB)

The Cognitive Science Branch (CgSB) applies linguistic, statistical, and knowledge-based research and development in the investigation of techniques for improving access to biomedical information. Additionally, Branch members actively participate in developing and maintaining the Unified Medical Language System and collaborate with research staff to develop automated and semi-automated techniques for indexing biomedical literature.

COMMUNICATIONS ENGINEERING BRANCH (CEB)

The Communications Engineering Branch (CEB) conducts research and development in a range of areas, with an emphasis on image engineering, such as image processing, compression and enhancement, as well as text and data mining using machine learning and natural language processing techniques. Research is directed towards a range of applications, including cancer research, document delivery, digital preservation, and automated ways of building resources such as MEDLINE.

COMPUTER SCIENCE BRANCH (CSB)

The Computer Science Branch (CSB) applies techniques of computer science and information science to problems in the representation, retrieval, and manipulation of biomedical knowledge. CSB projects

involve both basic and applied research, including development of clinical vocabulary standards and terminologies and deriving discoveries from clinical data.

National Center for Biotechnology Information (NCBI)

The National Center for Biotechnology Information (NCBI) creates and maintains over 40 databases for the medical and scientific communities, as well as the general public, including literature, molecular, and genomic databases, such as PubMed, GenBank, and dbGaP. NCBI also has a multi-disciplinary research group composed of molecular biologists, biochemists, computer scientists, mathematicians, research physicians, and structural biologists concentrating on basic and applied research in computational molecular biology.

COMPUTATIONAL BIOLOGY BRANCH (CBB)

Research in the NCBI Computational Biology Branch (CBB) focuses on theoretical, analytical, and applied computational approaches to a broad range of fundamental problems in molecular biology and medicine. The expertise of the group is concentrated in sequence analysis, protein structure/function analysis, chemical informatics, and genome analysis. Research interests further cover a wide range of topics in computational biology and information science.

INFORMATION ENGINEERING BRANCH (IEB)

The Information Engineer Branch (IEB) performs applied research in data representation and analysis, including the development of computer-based systems for the storage, management, and retrieval of knowledge relating to molecular biology, genetics, and biochemistry. IEB also coordinates public access to these information resources by building curated and integrated databases. Staff share their expertise by consulting with and advising other governmental agencies and research laboratories on advanced methods of software and database design.

INFORMATION RESOURCES BRANCH (IRB)

The Information Resources Branch (IRB) plans, directs, and manages the technical operations of NCBI, including the computer systems used for internal research and development, as well as systems used to access public databases. IRB staff also organize educational demonstrations and workshops for the external biomedical community to promote use of NCBI's resources. IRB also plans, develops, and manages contracts and cooperative agreements to procure equipment and services in support of NCBI's functions.

Office of Computer and Communication Systems (OCCS)

The Office of Computer & Communications Systems (OCCS) provides information technology services and technical advice to support the research and management programs offered through NLM. OCCS provides customer support, training, and documentation for computer and network users. In addition, OCCS develops standards and guidance for managing and using information technology in accordance with industry best practices and applicable federal government mandates. The director of OCCS serves as NLM's chief information officer.

APPLICATIONS BRANCH

The Applications Branch is composed of two sections. The Online Health Information Support Section oversees the research, development, and implementation of online health information applications, and provides consulting and technical support services to NLM divisions and external organizations. The Library Business Technology Support Section oversees the research, development, and implementation of systems and technologies to support library business and operations.

MEDICAL LANGUAGE BRANCH

The Medical Language Branch develops and maintains software applications, such as the Unified Medical Language System, the RxNorm system, and the Medical Subject Headings system.

SYSTEMS TECHNOLOGY BRANCH

The Systems Technology Branch is composed of four sections. The Systems Services Section plans, evaluates, designs, and maintains computing and storage environments, and ensures the security and reliability of NLM production systems and development environments. The Facilities Management Section designs, operates, and maintains NLM's computing platforms, networking equipment, security apparatuses, storage devices, and backup systems. The Network Engineering Section evaluates, designs, deploys, and maintains networking and data communications technologies, products, and services to meet NLM's internal and external connectivity requirements. The Desktop Services Section evaluates, procures, and deploys personal computing capabilities and services and manages security and access control.

From: Pfister, Troy (NIH/NLM/LHC) [E]
Sent: 20 Feb 2019 14:55:01 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: FW: Sunsetting Plan and Dates
Attachments: Sunset_Status_Dates.xlsx

FYI – are you working with Florence on these plans? Is there anything LO specific to report on here? I'm going to clean it up and send to Patti today/early tomorrow.
Patti made it clear that there should be communication between you and Florence regarding the sunsetting…
Thanks,
T.

From: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>
Date: Tuesday, February 19, 2019 at 5:59 PM
To: "Pfister, Troy (NIH/NLM/LHC) [E]" <ptroy@mail.nlm.nih.gov>
Subject: RE: Sunsetting Plan and Dates

Troy,
Please see the attached. I added a column next to the colored box, "sunset status and date".
Florence

From: Pfister, Troy (NIH/NLM/LHC) [E]
Sent: Tuesday, February 19, 2019 1:10 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: Sunsetting Plan and Dates

Florence,
Attached is the last document I received from Joyce regarding the sunsetting plans for SIS and LO. Patti wants to know dates when items will be sunset. I understand that you have started the process with OCPL. Can you indicate when the red items will be sunsetting and/or if you have submitted sunsetting paperwork?
Patti wants this by Thursday. Perhaps a matrix of what has been submitted to OCPL for sunsetting w/close-out dates? I'm willing to provide assistance as needed.
Troy Pfister
Operations Coordinator, NLM
38/2S16
T: 301.827.4382
E: ptroy@mail.nih.gov

National Library of Medicine
Inventory of Public-Facing Offerings

Red - Sunset, Yellow - evaluate for sunset/transition, Green - maintain, recommend efficiencies, Purple - Sunset delivery platform, integrate info consolidated platforms					
Offering Name	**Red, Yellow, Green, Purple**	**Sunset status & date**	**page views 2018**	**Timeline for Review/action FY2019/FY2020**	**Offering Short Description**
AIDSinfo	yellow		8,573,046	May 2019 - Q4 2020	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to deliver AIDSinfo, a resource providing information on HIV/AIDS clinical trials and federally approved HIV treatment and prevention guidelines, information on HIV/AIDS treatment, clinical trials, and other HIV/AIDS-related research information for health care providers, researchers, people affected by HIV/AIDS, and the general public. The Spanish version is called infoSIDA.
AIDSsource	yellow		95,155	May 2019 - Q4 2020	AIDSource offers access to a comprehensive collection of HIV/AIDS-related resources reviewed and selected by expert information specialists and librarians. Materials are available in Spanish materials as well.
AltBib	green			Q3 FY2019	AltBib provides resources on Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.
American Indian Health	Red	Plan in progress June, 2019		Q3 FY2019	American Indian Health is a source for information about the health and well being of Native Americans and Alaska Natives. Portal to be sunset in FY2019.
Arctic Health	Red	Plan in progress June, 2019		Q3 FY2019	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of northern peoples. Portal to be sunset in FY2019.
Chemical Hazards Emergency Medical Management (CHEMM)	yellow		595,249	Q1 FY2020	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass-casualty chemical incident.
ChemIDplus	yellow		4,450,320	Q4 FY2019	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM and other databases and resources, including links to federal, state and international agencies.
Dietary Supplement Ingredient Database	Yellow			Q2-Q3 FY2020	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products sold in the United States. DSID is a collaboration with NIH's Office of Dietary Supplements and USDA.
Dietary Supplement Label Database	Yellow		393,797	Q2-Q3 FY2020	The Dietary Supplement Label Database (DSLD) includes full label derived information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. DSLD is a collaboration with NIH's Office of Dietary Supplements.
Disaster Information Management Research Center (DIMRC) website	Yellow		65,375	Q2 FY2020	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and technology for disaster and public health emergency preparedness, response, and recovery. The focus is to connect people to quality disaster and public health emergency information and foster a culture of community resiliency.
Disaster Lit: Database for Disaster Medicine and Public Health	Yellow		74,751	Q2 FY2020	Disaster Lit, the Database for Disaster Medicine and Public Health, contains links to disaster medicine and public health emergency resources available on the Internet at no cost. Resources include guidelines, research reports, training classes, fact sheets, website, databases, data sets, and similar materials.
Drug Information Portal	purple		1,078,965	Q3 - Q4 FY2019	The Drug Information Portal contains information for over 55,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites. Same backend database as ChemIDplus.
Enviromental Health Student Portal	Red	Plan - submit in March; Sunset in Sept, 2019	95,155	Q3 FY2019	The Enviromental Health Student Portal provides educational resources for middle school students and educators.

Environmental Health and Toxicology Information	Red	Plan - submit in March; Sunset in Sept, 2019; Content will move to appropriate pages on NLM Main site	77,096	Q3 - Q4 FY2019	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental health and toxicology.
GeneEd	Red	Plan approved; Sunset March 31, 2019	622,670	Q3 FY2019(March 31, 2019)	GeneEd is a portal of genetic topics such as cell biology, DNA, genes, epigenetics and more for students and teachers. Information from the site will be merged with Genetics Home Reference in spring 2019.
Genetics Home Reference	purple			Q3 FY2019	Genetics Home Reference is a consumer health resource that provides information for the general public about the effects of genetic variation on human health.
Hazardous Substances Data Bank (HSDB)	purple			Q4 FY2019	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 6,000 chemicals. A TOXNET database.
HazMap	Red	Plan - submit in April; Sunset at the end of July, 2019	447,253	Q3 - Q4 FY2019	Haz-Map is an occupational health database designed for health and safety professionals and for consumers seeking information about the adverse effects of workplace exposures to chemical and biological agents. The main links in Haz-Map are between chemicals and occupational diseases.
HealthReach	purple		250,791	Q4 - FY2019 - Q1 FY2020	HealthReach is a database of easy to read, multilingual health information for those working with or providing care to individuals with limited English proficiency.
Household Products Database	yellow		2,290,447	Q3 - Q4 FY2019	The Household Products Database links consumer brands to health effects from Safety Data Sheets provided by manufacturers and allows scientists and consumers to research potential health effects of chemicals in more than 18,000 common household products. based on chemical ingredients. A TOXNET database.
Integrated Risk Information System (IRIS)	purple			Q4 FY2019	Integrated Risk Information System (IRIS) contains data in support of human health risk assessment, including hazard identification and dose-response assessments. It is compiled by the U.S. EPA and contains descriptive and quantitative information related to human cancer and non-cancer health effects that may result from exposure to substances in the environment. A TOXNET database.
International Toxicity Estimates for Risk (ITER)	purple			Q4 FY2019	International Toxicity Estimates for Risk includes risk information for over 600 chemicals from authoritative groups worldwide. A TOXNET database.
LactMed	purple			Completed	LactMed, a Drugs and Lactation Database, provides information on drugs and other chemicals to which breastfeeding mothers may be exposed. Find information about maternal and infant drug levels, possible effects on lactation and on breastfed infants, and alternative drugs to consider. A TOXNET database.
LiverTox	yellow		3,740,565	Q3 - Q4 FY2019	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and management of liver injury attributable to prescription and nonprescription medications, herbals and dietary supplements. A collaboration with National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK).
NIH Disaster Research Response Program (DR2)	Red	Plan submit in April; Sunset at the end of Sept, 2019	15,355	Q3 - Q4 FY2019	The NIH NIH Disaster Research Response Program (DR2) program is a collaboration between National Institute of Environmental Health Sciences (NIEHS) and NLM with the potential for additional NIH Institutes and Centers to join. DR2 is the national framework for research on the medical and public health aspects of disasters and public health emergencies.
Pillbox	Yellow		921,103	Q3 - Q4 FY2019	Pillbox enables rapid identification of unknown solid-dosage medications (tablets/capsules) based on physical characteristics and high-resolution images.
Radiation Emergency Medical Management (REMM)	Yellow		388,653	Q1 FY2020	Radiation Emergency Medical Management (REMM) is a resource to assist healtcare providers diagnosis and treat a variety of radiation injuries.

SIS main website	Red	Plan submit in March; Sunset at the end of June, 2019		Q3 FY2019	The SIS main website provides access to the resources offered by SIS, in the areas of toxicology and environmental heatlh, chemistry, HIV/AIDS, disaster health, and topics relevant to specific populations.
Substance Registration System	Green		520,379	Q3 - Q4 FY2019	The Substance Registration System is a joint FDA/USP project to support health information technology initiatives by generating unique ingredient identifiers (UNIIs) for substances in drugs, biologics, foods, and devices. A collaboration with FDA.
Toxline	purple			Underway	
Tox Mystery	Red	Plan approved; Site sunsetted		Gone already	Tox Mystery is an interactive game about toxic substances for children ages 7-10. Site will be sunset in fall of 2018.
Tox Town	Green		1,129,615	Q1 FY2020	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals.
Tox Tutor	Yellow		549,607	Q1 FY2020	tox Tutor provides college-level tutorials on the basic principles of toxicology, toxicokinetics, cellular toxicology, and related topics, e.g., exposure science and risk assessment. It is a self-paced tutorial covering key principles of toxicology for users of the NLM chemical and toxicology databases.
ToxMap	Red	Plan approval in progress; Sunset at the end of Sept, 2019		Q4 fy2019	TOXMAP: Environmental Health Maps provides searchable, interactive maps of EPA TRI and Superfund data, plus US Census and NCI health data
TOXNET	purple		7,957,267	Q4 FY2019	TOXNET is a search system for a cluster of databases covering toxicology, hazardous chemicals, environmental health and related areas.
Wireless Information System for Emergency Responders (WISER)	Yellow		624,253	Q1 FY2020	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, managers, and healthcare providers in hazardous materials incidents.

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 20 Feb 2019 21:37:41 +0000
To: Chang, Florence (NIH/NLM) [E];Ziomek, Mark (NIH/NLM) [E]
Cc: Nurik, Jody (NIH/OD) [E];Backus, Joyce (NIH/NLM) [E];Brennan, Patti (NIH/NLM) [E]
Subject: RE: sunset information for Dr. Tabak

Thanks, Florence.

Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Wednesday, February 20, 2019 3:43 PM
To: Ziomek, Mark (NIH/NLM) [E] <mark.ziomek@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Nurik, Jody (NIH/OD) [E] <jody.nurik@nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Subject: Re: sunset information for Dr. Tabak

Attached are my revisions.

Florence

From: Ziomek, Mark (NIH/NLM) [E]
Sent: Wednesday, February 20, 2019 3:23 PM
To: Sheehan, Jerry (NIH/NLM) [E]; Chang, Florence (NIH/NLM) [E]
Cc: Nurik, Jody (NIH/OD) [E]; Backus, Joyce (NIH/NLM) [E]; Brennan, Patti (NIH/NLM) [E]
Subject: RE: sunset information for Dr. Tabak

I added the July 1, 2019 retirement date to the document and have attached the revised version here. Please let me know if you have additional questions. I'm happy to help.
Mark

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, February 20, 2019 3:20 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Ziomek, Mark (NIH/NLM) [E] <mark.ziomek@nih.gov>
Cc: Nurik, Jody (NIH/OD) [E] <jody.nurik@nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Subject: sunset information for Dr. Tabak

Florence, Mark,
Attached is the summary information I plan to send to Dr. Tabak to inform him of the most recent sunset proposals. Can you please review the content and add in the highlighted information (proposed dates for sunsetting).

I will review the updated information Florence provided me about ToxMap and CPDB

Thanks
Jerry

Jerry Sheehan
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From: Melby, Beth
Sent: 26 Feb 2019 15:55:15 +0000
To: Huerta, Mike (NIH/NLM) [E]
Cc: Federer, Lisa (NIH/NLM) [E];Ijagbemi, Mayowa;Efrom, Neil F.
Subject: RE: [EXT] Metamodel for terms
Attachments: NLM Customer List Mapping 122018.xlsx, 4.a.2 NPA NLM Portfolio Metamodel v1.0.docx

Hi Mike,

I've attached MITRE's deliverable which elaborates the portfolio metamodel data elements and definitions which were prioritized for the initial work. I'm not sure if you've received this document previously; I hope it will help on the definitions front.

Then, here is some general information about the process to help answer your questions:

1. **Target customer types** – Customer list was initially developed with NLM NPA advisory team working with MITRE. We did not specifically define the customer types for the metamodel documentation. This is an improvement area. For example, we learned during the data call that there had been an NLM outreach functional analysis in the past year during which a customer type list had been produced. MITRE took that list, merged it with the original NPA list and additional customers that were submitted for the NPA. We then came up with a consolidated list that should be considered going forward. I've attached the consolidated list for your reference. We have not brought the list to the Divisions yet to discuss. The idea behind the merged list is to come to consensus that it covers all the necessary customer types. Then, each should be defined and included in the metamodel documentation.
2. **Mandate types** – The list of mandates types was originally brainstormed with the NPA advisory team. Specific definitions of each are not yet in the metamodel definitions file . This is another improvement area.
3. **Alignment to strategic plan** – Offering owners aligned offerings to SP elements based on their own perspective. There was not guidance for this at the time of the data call. This is another improvement area.

I would be very glad to set up time with you and your team to go into detail about the NLM portfolio metamodel, how definitions for data attributes were arrived at, and how MITRE set up the data calls to capture the customers, mandates, alignment and other details. We can describe the whole process to bring you up to speed. I understand that last week's NLM senior leadership meeting produced some recommended next steps in terms of normalizing terms so the timing seems to be right for us to partner with your team to refine the metamodel terms and work to improve the process overall.

Please let me know your thoughts on scheduling a meeting.

Thank you
Beth

From: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Sent: Tuesday, February 26, 2019 7:51 AM
To: Melby, Beth <bmelby@mitre.org>

Cc: Federer, Lisa (NIH/NLM) [E] <lisa.federer@nih.gov>
Subject: [EXT] Metamodel for terms

Hi Beth – In the NPA tool, we are interested figuring out how you got the responses you did for: 1) target customer types, 2) mandate types, and 3) alignment to strategic plan. So, please let me know how these were defined, or guidance given in soliciting this info and/or the metamodel used. Thanks much – Mike

Michael F. Huerta, Ph.D.
Director
Office of Strategic Initiatives
Associate Director
National Library of Medicine
National Institutes of Health
301-827-6451

NPA	OUTREACH AND TRAINING	NPA DATA CALL - NEW CUSTOMERS
	Data Scientist	
	Data resource or tool developer	
Educators	Educator	Educators
	Emergency preparedness and response	
Lay Public	General public	Citizen Scientists Volunteers
Clinicians	Health care provider	Healthcare professional
	Historian	Scholars in the History of Medicine
	Journalist	
Libraries/Librarians	Library or information professional	Librarians Library Staff NNLM Members University and Research Libraries / librarians Biomedical librarians
	Public health professional	Public Health Policy Staff and Decision Makers(both State and Local Government and non-profit organizations) State public health labs Public Health profeessionals
Press/Publishers	Publisher	Journal Editors Media
Researchers	Researcher	
Students	Student, K-12	
Students	Student, college & post-grad	Fellows Graduate-level professional students and their faculty (public health, public policy, HSR, bioinformatics, information science) Interns Students (undergraduate and post graduate)
Congress		
NIH		
Federal Agencies		
NLM Internal		
Commercial Entities		Library Vendors Small Businesses
International Collaborators		
		Domestic Partners and Collaborators
		Not-for-profit Organizations
		Patient/Disease Advocacy Groups

CONVERGED - CUSTOMER TYPES

Original Usage

Types	NPA	Outreach	Data Call - NEW
Congress	X		
Commercial Entities	X		
Library Vendors			X
Small Businesses			X
Educators	X	X	
Educators, K-12			
Educators, College and Post-Graduate			X
Federal Agencies	X		
General Public	X		
Citizen Scientists			X
Volunteers			X
Health Care Professionals		X	X
Clinicians	X		
Health Care Professionals		X	X
Historians		X	X
International and Domestic Collaborators	X		
Domestic Collaborators			X
International Collaborators	X		
Library or Information Professionals	X	X	X
Biomedical Librarians			X
NNLM Members			X
University and Research Librarians			X
Not-For-Profit Organizations			X
Patient/Disease Advocacy Groups			X
NIH	X		
NLM Internal Stakeholders	X		
Public Health Professionals	X		
Emergency Preparedness and Response Professionals		X	
Public Health Professionals (incl. Laboratories)		X	X
Media	X		X
Journalists		X	X
Publishers	X	X	
Researchers	X	X	
Academic and Commercial		X	
Data Resources/Tool Developers		X	
Data Scientists		X	
Students		X	
Fellows			X
Interns			X
Student, K-12		X	
Student, College and Post-Graduate		X	X

Prepared for:

Department of Health and Human Services
National Institutes of Health

CMS Alliance to Modernize Healthcare
Federally Funded Research and Development Center

Strategic Support for National Library of Medicine

Task Order No. HHSN276201800082U

Project Deliverable 4.a.2 NLM Portfolio Metamodel

National Library of Medicine Portfolio Metamodel

Version 1.0

December 21, 2018

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Record of Changes

Version	Date	Author / Owner	Description of Change
1.0	December 21, 2018	B. Melby / CAMH	Version 1.0 for release to Sponsor

Executive Summary

The National Institutes of Health (NIH) National Library of Medicine (NLM) Portfolio Metamodel aims to provide information to NLM decision makers to understand the mix of products and services—called offerings—that NLM provides to customer constituencies. The metamodel is a *future-state illustration* of features that are most critical to a holistic understanding of NLM's portfolio. The metamodel is populated with information sourced from NLM Division management records as well as from NLM financial management systems and processes. It is designed to help answer key management questions that are fundamental to understanding NLM's portfolio both at a high-level and at the individual offering level.

Broadly, NLM management desires to seeks information about:

- What is the number, type, and complete list of offerings available to the public? How do NLM offerings relate to each other and to NLM's mission?
- What federal or NIH mandates and/or NLM Strategic Plan elements compel NLM to support specific offerings?
- How are different customer constituencies served by NLM's diverse portfolio?
- What NLM resources (i.e., business processes and functions, technology, and data) and external resources are used in combination to deliver offerings to customers?
- What are the dependencies between offerings and their underlying resources?
- How is NLM's annual budget allocated and expended in support of individual offerings?
- What projects and activities does NLM support with federal investments to produce, operate, and maintain NLM offerings?

Scope of Document

This document consists of two sections:

- **NLM Portfolio Metamodel Components.** A common taxonomy for describing the NLM portfolio components is necessary for cross-portfolio analyses and transparent decision-making processes. This section defines each item appearing in the metamodel as well as data attributes associated with each item. Attribute values and examples are also provided to facilitate metamodel adoption.
- **NLM Portfolio Key Management Questions.** Different data points associated with the portfolio metamodel can be analyzed together to answer key management questions identified by NLM leadership. Answers support more informed decision-making about how to direct NLM's limited resources to effectively and efficiently execute NLM's mission and position NLM well for the future. This section enumerates each key management question and shows the lines of sight between different metamodel components that can provide data points to help answer each question.

Methodology

The MITRE Corporation (MITRE) collaborated with NLM leadership to develop the portfolio metamodel. To address the key management questions, the NLM portfolio metamodel collects information from internal sources and incorporates the information into a decision support environment. To create NLM's baseline portfolio inventory, portfolio data is organized into an Excel-based master data file (.xlsx) and visualized using Tableau software (.twbx). As NLM continues to develop its portfolio management (PfM) capability, NLM may opt to convert its Excel master data file to a database system to make data maintenance and expansion less cumbersome. MITRE developed metamodel definitions, data attributes and values, which were vetted by NLM leadership to ensure all aspects of the metamodel meet leadership's current reporting needs as well as some future reporting aspirations.

Intended Audience

This report is intended for NLM executive leadership, division leadership, and offering, resource, business, and technical owners.

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1. Introduction

1.1 Background

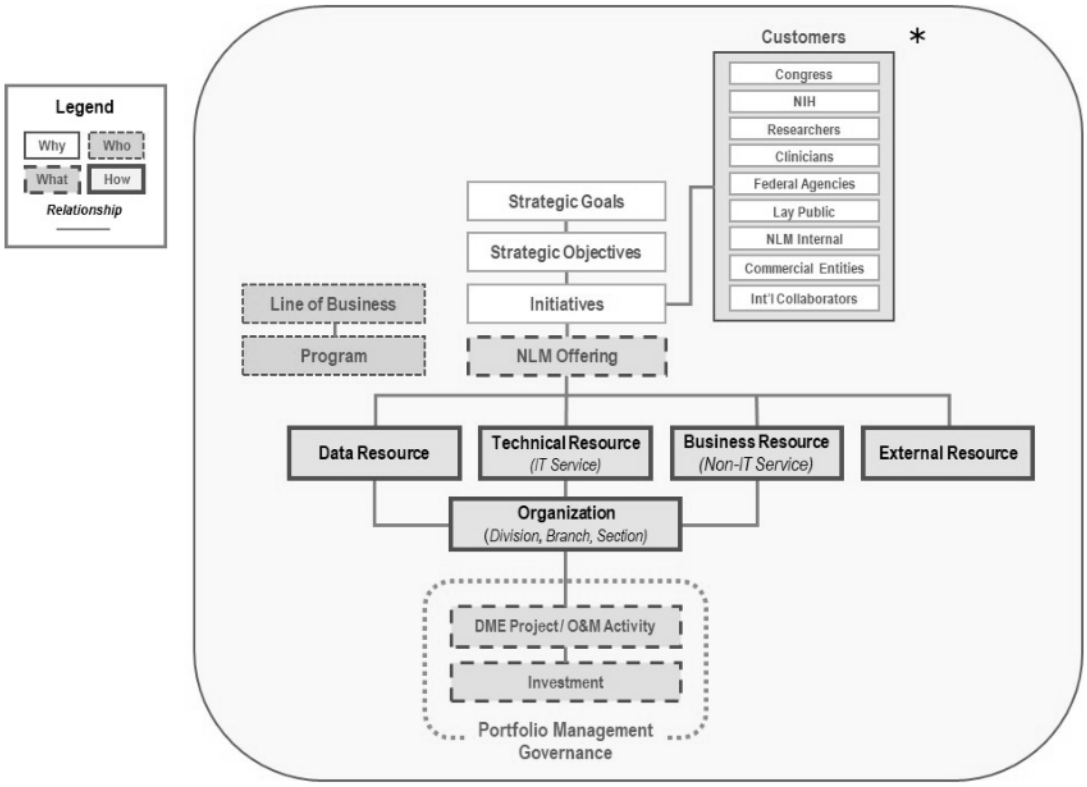
The National Library of Medicine (NLM) requested assistance from the CMS Alliance to Modernize Healthcare (CAMH), a Federally Funded Research and Development Center (FFDRC) operated by The MITRE Corporation (MITRE), to undertake an objective, unbiased, and comprehensive inventory of the entire NLM portfolio and develop portfolio analysis tools. NLM requested that MITRE propose a portfolio framework with cross-NLM applicability to facilitate standardized reporting, enable visualizations to evaluate alignment between NLM strategic priorities and offerings, and provide more robust data for planning and decision-making about NLM's future direction. This effort was the first of its kind to systematically catalog offerings (i.e., products/applications and services) delivered by individual NLM's divisions and centers in a cross-NLM portfolio framework.

By adopting portfolio management (PfM) discipline, federal agencies are equipped with more robust tools to better understand the scope, size, and impact of their business activities. PfM combines strategic, operational, financial, and performance data in a meaningful way that enables agencies to make better decisions about where to invest and to regularly evaluate the results of those investments.

1.2 Purpose

The objective of the NLM portfolio metamodel is to provide NLM a decision analysis capability that answers key management questions about how NLM fulfills its mission. The metamodel was developed using the following approach:

- Determine stakeholders for portfolio management information.
- Survey stakeholders to understand their information needs, capturing the initial set of management questions to answer.
- Parse information from discussions with leadership and interviews with NLM staff to develop a "metamodel" illustrating categories of information and their relationships.
- Evaluate data management and visualization requirements and identify a tool to support reporting based on metamodel categories.
- Determine how to compile, structure, and link information from portfolio data calls completed by key NLM stakeholders to support the relationships defined in the metamodel.
- Develop prototype NLM portfolio dashboards with different views to support answers to NLM management questions.



* The following additional customers were identified during the NPA Phase 1 data call and may be included in a future metamodel version: Educators, Students, Libraries/Librarians, and Press/Publishers.

Figure 1. NLM Portfolio Metamodel

The metamodel is designed to help NLM answer the following broad questions:

- What is the number, type, and complete list of offerings available to the public? How do NLM offerings relate to each other and to NLM's mission?
- What federal or NIH mandates and/or NLM Strategic Plan elements compel NLM to fund specific offerings?
- How are different customer constituencies served by NLM's diverse portfolio?
- What internal NLM resources (i.e., business processes and functions, technology, and data) and external resources are used in combination to deliver offerings to customers?
- What are the dependencies between offerings and their underlying resources?
- How is NLM's annual budget allocated and expended in support of individual offerings?
- What projects does NLM support with federal investments to produce, operate, and maintain NLM offerings?

2. Metamodel Definitions and Attributes

This section defines all metamodel components that comprise the types of data needed to answer key management questions. The five components are:

- **ITEM–** indicates the different components of the NLM Portfolio Metamodel.
- **ATTRIBUTES –** are the qualities or features that are regarded as a characteristic or inherent part of each ITEM. ATTRIBUTES are additional data points pertaining to ITEMS. In information management, an attribute is a piece of information that determines the properties of a field or tag in a database or a string of characters in a display.
- **VALUE –** provides possible options for the attribute based on either a predetermined list of NLM data or user-driven input.
- **EXAMPLES –** are provided to put the definitions for ITEM and ATTRIBUTE in the NLM context.

Attributes are grouped to indicate the type of information to which they relate (basic offering information or financial information). An additional distinction is made to identify attributes that are an aspirational part of the future-state NLM metamodel. These attributes were identified as important to future portfolio analyses; however, NLM leadership determined that standardized definitions for this set of attributes were not important for meaningful baseline portfolio analyses.

2.1 Attribute Group: NLM Offering Information

2.1.1 NLM Offering

Definition: The product and/or service offered to satisfy a want or need of an existing or target user constituency.

Table 1. NLM Offering Attributes

Attribute Name	Definition	Possible Values	Examples
Offering Name	The full name of the offering without information truncated by acronyms.	• List (Large Number of Possible Values) • Manual Data Entry	• Common Data Element Repository • National Health and Nutrition Examination Survey Database • PubMed
Offering Name (Short)	"Brand name," the name used to take the offering to market.	• List (Large Number of Possible Values) • Manual Data Entry	• CDE Repository • NHANES • PubMed
Offering Short Description	A succinct description of the value provided to customers.	Manual Data Entry	• CDE Repository – The NIH Common Data Element (CDE) Repository provides access to structured human and machine-readable definitions of data elements that have been recommended or required by NIH Institutes and Centers and other organizations for use in research and for other purposes. • NHANES – NHANES is a database of materials related to the second and third National Health and Nutrition Examination Surveys (NHANES II and III), carried out during the years 1976-1980 and 1988-1994, respectively. • PubMed – - PubMed is a digital collection of biomedical literature journal article abstracts.

Attribute Name	Definition	Possible Values	Examples
Offering Group	The category indicating the common purpose or characteristic that relates multiple offerings.	• Databases • Analytic Tools • Library Physical and Digital Collections • Training & Career Development • Outreach • Research • Library Science Platforms/Operations	

Attribute Name	Definition	Possible Values	Examples
Offering Type	The category indicating the form in which an offering is delivered to customers.	• Data • Digital Service • Human Service • Product	• **Product** – A system or raw materials combined and made available to users (customers). For the NLM context, a product generally refers to a physical asset or commodity provided to users. Examples: Books, exhibitions assets, training materials. • **Human Service –**Interaction between providers and users where the provider has a direct or indirect interaction with the user. Examples: Data Distribution Program, Library Operations MMS Outreach & Training. • **Digital Service –** A valuable action performed to satisfy customer need that has been delivered using IT infrastructure. Examples: Pathogen surveillance service, genome annotation service, contamination screening service. • **Data –** Information that has been translated or organized into a form that is efficient for movement, processing or consumption. Information may be housed within a database. Examples: PubMed, GenBank.
Offering Mechanism Type	The different mechanism(s) or means by which an NLM offering is provided to customers.	• API Access • Curated Data FTP • Software • Website Access • Media (Print, Video)	CDE Repository Mechanisms: 1. API Access 2. Website Access 3. Curated Data FTP

Attribute Name	Definition	Possible Values	Examples
		• Interpersonal	PubMed Offering Mechanisms: 1. API Access 2. Website Access (PubMed interactive web site) 3. Curated Data FTP NHANES Mechanisms: 1. Website Access (including controlled access) 2. Curated Data FTP 3. Software
Mandate Source Type	The primary source of NLM's mandate to provide a specific offering.	• Congress • NIH Policy • NLM Policy/ Strategic Plan • Other (e.g., historical) • Unknown	
Mandate Reference	The primary reference citation for the authorizing source legislation, policy, or regulation obligating NLM to provide resources and support for an offering or group of offerings.	Manual Data Entry	Sec. 301 of the PUBLIC HEALTH SERVICE ACT, PART D—NATIONAL LIBRARY OF MEDICINE, Subpart 1—General Provisions "PURPOSE, ESTABLISHMENT, AND FUNCTIONS OF THE NATIONAL LIBRARY OF MEDICINE"
Primary Offering Owner Name	Person accountable for delivering value to customers via a specific offering.	Manual Data Entry	Jane Smith
Critical Success Factor	Refer to specific activities, procedures, or areas that a business or organization depends on for its continued survival. (Technopedia)	Manual Data Entry	Example categories for CSF include cost, innovation, quality, speed, and size of consumer base.
Sunsetting Planned	Indicator that a plan is in place to sunset the offering in the future.	Yes	

2.1.2 Organization

Definition: The group of persons organized within NLM with responsibility to deliver a specific NLM offering. Provide NPA Organization information at the Section level or lowest level available when the Section organizational construct is not used.

Table 2. Organization Attribute

Attribute Name	Definition	Possible Values	Examples
Primary Organization Name	Name of the NLM organizational unit.	List (Large Number of Possible Values)	• Exhibitions Section • E-Health Information Support Section

2.1.3 Customers

Definition: Constituencies, including individuals, groups, or organizations, that are intended to use the project's product or service or result.

Table 3. Customer Attributes

Attribute Name	Definition	Possible Values	Examples
Customer Name	Short name for the customer constituency that uses the offering.	• Clinicians • Commercial Entities • Congress • Educators • Federal Agencies • International Collaborators • Lay Public • Libraries/Librarians • Manual Data Entry • NIH • NLM Internal • Press/Publishers • Researchers • Students	

2.1.4 NLM Initiative

Definition: A broadly defined objective that an organization must achieve to make its strategy succeed *(Association of Strategic Planning Body of Knowledge 2.0*). Initiatives are aligned to NLM Strategic Plan Goals and Objectives through the plan's hierarchical numbering framework.

Table 4. NLM Strategic Initiative Attribute

Attribute Name	Definition	Possible Values	Examples
Initiative Name	Strategic initiatives impact the organization as a whole and have enterprise-wide significance *(Association of Strategic Planning Body of Knowledge 2.0)*. If an offering is aligned to an Initiative, its alignment to the associated Strategic Objective and Goal will occur.	• List (see examples) • No alignment • Unknown	1.1b MEDLINE 2022 1.1c NLM Portfolio Assessment by MITRE 1.1d DATaset Metadata Model (DATMM) Initiative 2.1a Outreach planning 2.1d User Experience / User Development Initiative 2.1e External Communications Plans & Information Resources 2.1f Informatics Professionals Outreach, Training and Development 3.2b1 Reproducibility for Intramural Scientists Workshop 3.2b2 Second Reproducibility for Intramural Scientists Workshop 3.2c Data Science for Librarian Workforce Workshop 3.2d Assessment of extramural staff data science training needs

2.1.5 NLM Strategic Objective

Definition: A broadly defined objective that an organization must achieve to make its strategy succeed (*Association of Strategic Planning Body of Knowledge 2.0*). Objectives are aligned to NLM Strategic Plan Goals through the plan's hierarchical numbering framework.

Table 5. NLM Strategic Objective Attribute

Attribute Name	Definition	Possible Values	Examples
Strategic Objective Number	Number indicating the NLM Strategic Objective to which the offering is expected to contribute and help achieve. When an offering is aligned to a Strategic Objective, its alignment to the associated Strategic Goal will occur.	• List (see examples) • No alignment • Unknown	1.1 Connect the resources of a digital research enterprise 2.1 Know NLM users and engage with persistence 3.2 Assure data science and open science proficiency

2.1.6 NLM Strategic Goal

Definition: Encompasses the organization's vision, mission, and objectives (*Association of Strategic Planning Body of Knowledge 2.0*). High-level strategic goals have the following characteristics:

- Describe a future end-state that is supportive of the mission and vision.
- Describe actions in actionable terms.
- Relate to the expectations/requirements of all the major stakeholders and employees and reveal the underlying reasons for running the business.
- Imply a completion date at some point in the future but not defined at this point.
- Can be divided into milestones that, in turn, can be translated into achievable, assignable, and measurable objectives.

Table 6. NLM Strategic Goal Attribute

Attribute Name	Definition	Possible Values	Examples
Strategic Goal Number	Number indicating the NLM Strategic Goal to which the offering is expected to contribute and help achieve.	• Goal 1 • Goal 2 • Goal 3 • No alignment • Unknown	Goal 1 – Accelerate Discovery and advance health through data-driven research Goal 2 – Reach more people in more ways through enhanced dissemination and engagement Goal 3 – Build a workforce for data-driven research and health

2.1.7 Business Resources

Definition: Services associated with business process execution. Business resources support planning, implementation, operation, maintenance, and/or delivery of an offering. Business resources are often used in combination with technical resources and either indirectly or directly support offerings.

Table 7. Business Resource Attributes

Attribute Name	Definition	Possible Values	Examples
Business Resource Name	Short name for the business services that contribute to the delivery of an offering. The resource name given should describe the type of support provided (e.g., Content Management of RxNorm).	• List (Large Number of Possible Values) • Manual Data Entry	• Parature / Dynamics Support Portal and Ticketing System • PHPartners HSRIC curation • Prokaryotic Genome Annotation Curation • SNOMED CT US Edition Production
Business Resource Owner Name	Person responsible for managing the business resource inputs to an offering.	Manual Data Entry	Jane Smith

Attribute Name	Definition	Possible Values	Examples
Business Resource Type	Categories of business resource that distinguish the business function provided to an offering.	• Customer Service • Data • Management • Research • Other (with Manual Data Entry to add additional values)	

2.1.8 Data Resource

Definition: An organized collection of data. Data resources specify the data set that is leveraged when delivering an offering. May also be provided as an offering.

Table 8. Data Resource Attribute

Attribute Name	Definition	Possible Values	Examples
Data Resource Name	Short name for the data collection that contributes to the delivery of an offering.	• List (Large Number of Possible Values) • Manual Data Entry	• Anatquest images • PubMed Central Data Collection • VSAC data
Data Resource Owner Name	Person responsible for managing the data resource inputs to an offering.	Manual Data Entry	Jane Smith
Data Resource Owner Organization	Name of the NLM organizational unit responsible for providing the resource.	List (Large Number of Possible Values)	• Exhibitions Section • E-Health Information Support Section

2.1.9 External Resource

Definition: An input to an NLM offering that is obtained from a provider(s) outside the NLM organization.

Table 9. External Resource Attributes

Attribute Name	Definition	Possible Values	Examples
External Resource Name	Short name for the external resources that contribute to the delivery of an offering.	Manual Data Entry	eRA – public access compliance report
External Resource Provider Name	Name of external agency or organization providing the external resource.	Manual Data Entry	• NIH • EPA
External Resource Business Owner Name	Person responsible for managing the external resource inputs to an offering.	Manual Data Entry	John Smith

2.1.10 Technical Resource

Definition: Services as well as tangible assets supporting the technology needed to deliver an offering. Technical resources combine technical processes and functions of software, hardware, networks, telecommunications, and electronics as well as facilities and equipment. Includes software development, integration, and maintenance; hardware; networking integration, management and maintenance; information security (IS); IT management consultants; mobile services; web applications; and infrastructure.

Table 10. Technical Resource Attributes

Attribute Name	Definition	Possible Values	Examples
Technical Resource Name	Short name for the technical resources that contribute to the delivery of an offering.	• List (Large Number of Possible Values) • Manual Data Entry	• Annotation pipeline software • BioProject Archive • Entrez • Lexical Tools • SFX • Task Manager
Technical Resource Owner Name	Person responsible for managing the technical inputs	Manual Data Entry	Jane Smith

Attribute Name	Definition	Possible Values	Examples
	to the offering.		

3. Attribute Group: Financial Information

3.1 Expenditure

Definition: The actual spending of money; an outlay (*GAO-05-734SP Budget Glossary*).

Table 11. Annual Expenditures Attributes

Attribute Name	Definition	Possible Values[1]	Examples
Expenditure Type	The definitive breakdown of expenditures into groups that classify or summarize the type of cost.	• Division Federal Salaries (Programmatic/Operational) • Contract Salaries (Programmatic/Operational) • Service Contracts (Offering-Specific) • Other Support Costs (e.g., Administrative Overhead, Supplies, Travel, Training) • IT Services (Division-Specific) • IT Services – IT Management (Division-Specific) • IT Services – Security & Compliance (Division-Specific) • IT Services – Delivery (Division-Specific) • IT Services – Application (Division-Specific) • IT Services – Storage (Division-Specific) • IT Services – Compute (Division-Specific) • IT Services –Platform (Division-Specific) • IT Services – Network (Division-Specific) • IT Services – Data Center (Division-Specific) • NLM-wide IT Shared Services	

[1] For definitions, please refer to the **Glossary of Select Terms and Data Values**.

Attribute Name	Definition	Possible Values[1]	Examples
Cost Pool	Low-level categories that are often aligned easily to general ledger accounts. (*TBM Council*[2])	• Internal – Labor • External – Labor • External – Expenses • Internal –Other • Internal Services – IT	
Expenditure Total	Total amount of money expended to support a business activity.	Manual Data Entry (USD)	$1,234,567.89

[2] https://www.tbmcouncil.org/sites/default/files/tbmc_tbm_taxonomy_3.0.pdf

4. Proposed Future Attributes

4.1 Attribute Group: NLM Offering Information

4.1.1 Offering Information

Definition: Please refer to subsection *2.1.1*.

Table 12. Future-State NLM Offering Attributes

Attribute Name	Definition	Possible Values	Examples
Flagship Indicator	Indicator that the offering belongs to the finest, largest, or most important group of NLM offerings. *(https://www.merriam-webster.com/dictionary/flagship)*	Yes	
Key Performance Indicator (KPI)	Name of the metric most indicative of the offering's value to customers. Selected by offering business owner.	Manual Data Entry	
KPI Measurement Unit	The quantity used as the standard of measurement.	Manual Data Entry	Webpage hits
KPI Measurement Value	The measured KPI quantity at a moment in time.	Manual Data Entry	123,456
KPI Measurement Period	The predetermined time between two scheduled KPI measurements.	• Weekly • Monthly • Quarterly • Semi-annually • Annually	
KPI Measurement Date	The date on which the KPI measurement value is generated for reporting.	Manual Data Entry	YYYYMMDD

Attribute Name	Definition	Possible Values	Examples
KPI Measurement Target	The desired or benchmark KPI measurement value at any given time.	Manual Data Entry	123,456
KPI Data Source Name	Primary location (i.e., database, application, website, etc.) where current and historical KPI data are stored.	Manual Data Entry	Amazon Web Services
NLM Function	Derived from 8 functional statements describing the NLM's key functions.	• Biomedical collections/archives • Medical library development • Training • Outreach • Research • Tools development • Technical consultation	
NLM Core Operations	The range of activities that serve NLM's mission. Per the NLM Strategic Plan Implementation FAQs, NLM core operations are: • Acquire, preserve, and disseminate information • Conduct research about the information substrate of health • Workforce development • Provide training and use on how to make NLM's materials more accessible to others	• Archives & Collections • Outreach • Research • Training • Workforce Development	
Program	An organization subdivision focused on a single product or family of products (*Gartner IT Glossary*).		
Line of Business (LOB)	Related projects, subsidiary		

Attribute Name	Definition	Possible Values	Examples
	programs, and program activities that are managed in a coordinated manner to obtain benefits not available from managing them individually. (*PMBOK*®; used by NCBI). A collection of organizational resources that is geared to accomplish a certain major goal or set of goals (*www.managementhelp.org*).		

4.1.2 Technical Resource

Definition: Please refer to subsection *2.1.9*.

Table 13. Technical Resource Attributes

Attribute Name	Definition	Possible Values	Examples
FISMA System	Indicator of the NLM system designated as a part of the Federal Information Security Management Act of 2002 (FISMA) to which the technical resource is a part.	• List • Undocumented	• Access GUDID • BLAST • Clinical Trials • DailyMed • dbGaP • Digital Repository • DOCLINE • GenBank • Genetic Testing Registry (GTR) • Genetics Home Reference (GHR) • Images from the History of Medicine • Index Management System (IMS) • LPF • MEDLARS Application • MedlinePlus • MeSH • NLM Biomedical Terminology System (NBTS) • NLM Data Center • PubChem • PubMed/PubMed Central • RxNorm Editing System • Serials Extract File • TOXNET • Unified Medical Language System (UMLS) • Value Set Authority Center (VSAC) • Voyager

4.2 Attribute Group: Investment and Expenditure Information

4.2.1 DME Project

Definition: A project is a temporary endeavor undertaken to create a unique product or service. A project has a beginning and an end. (*Project Management Institute®*). A DME (Development, Modernization and Enhancement) project is the portion of an IT investment/project that deals with developing and implementing new or enhanced technology in support of an agency's mission (*48 CFR 1034.001 – Definitions*).

Table 14. Future-State DME Project Attributes

Attribute Name	Definition	Possible Values	Examples
DME Project – Resource Name	Name of the resource supported by the DME project.	Manual Data Entry	
DME Project Name	Short name for a DME project undertaken to develop a business or technical resource.	Manual Data Entry	• PubMed 2.0 • SEF Redesign
DME Project Investment Amount	Total amount invested to complete a DME project.	Manual Data Entry (USD)	$1,234,567.89
DME Project Expenditures Amount	Total expenditures incurred for a DME project to a specified point in time.	Manual Data Entry (USD)	$1,234,567.89

Attribute Name	Definition	Possible Values	Examples
DME Project Associated Investment Name	Name of HHS-reported NLM investment lines from which funding is directed to a project.	• NLM Biomedical Terminology System (NBTS) • NLM BLAST • NLM Entrez Molecular Biology Website • NLM Genome Assembly and Annotation (GenBank) • NLM Molecular Biology IT Support • NLM TOXICOLOGY DATA NETWORK • NLM Clinical Trials • NLM Health Information Resources • NLM PubChem • NLM Human Variation Resources • NLM Medical Library Heath Info Systems and Services • NLM Literature Resources • NLM Clinical Informatics and Data Standards and Analytics Research • NLM Medical Imaging and Visualization Research	

4.2.2 Operations and Maintenance (O&M) Activity

Definition: Appropriations that traditionally finance those things whose benefits are derived for a limited period (e.g., expenses rather than investments) (*Defense Acquisition University*).

Table 15. Future-State O&M Activity Attributes

Attribute Name	Definition	Possible Values	Examples
O&M Activity – Resource Name	Name of resource supported by the O&M activity.	Manual Data Entry	

Attribute Name	Definition	Possible Values	Examples
O&M Activity Name	Short name for the O&M activity supporting the operation and maintenance of a business or technical resource.	Manual Data Entry	• OCCS Application Branch Operations and Maintenance • Format R/W Maintenance Total FY • GBench Editing Total FY • SMART/SMUPD Maintenance 2018 • Sub Portal Maintenance Total FY • SuperBankIt-Maintenance-2018 • Foosh-Genbank Automation
O&M Activity Investment Amount	Total amount invested to perform an O&M activity.	Manual Data Entry (USD)	$1,234,567.89
O&M Activity Expenditure Amount	Total expenditures incurred for the O&M activity to a specified point in time.	Manual Data Entry (USD)	$1,234,567.89
O&M Activity Associated Investment Name	Name of reported NLM Investment lines from which funding is directed to an activity.	• NLM Biomedical Terminology System (NBTS) • NLM BLAST • NLM Entrez Molecular Biology Website • NLM Genome Assembly and Annotation (GenBank) • NLM Molecular Biology IT Support • NLM TOXICOLOGY DATA NETWORK • NLM Clinical Trials • NLM Health Information Resources • NLM PubChem • NLM Human Variation Resources • NLM Medical Library Heath Info Systems and Services • NLM Literature Resources • NLM Clinical Informatics and Data Standards and Analytics Research • NLM Medical Imaging and Visualization Research	

4.2.3 IT Infrastructure

Definition: Investments in IT Infrastructure reported to HHS. Includes NIH End User Devices, Tools, and Support; NIH Computational Infrastructure and Services; NIH IT Security and Compliance; and NIH Network & Telecommunications Infrastructure.

Table 16. Future-State IT Infrastructure Investment Attributes

Attribute Name	Definition	Possible Values	Examples
IT Infrastructure Investment Project Name	Short name for the IT infrastructure project investment reported to HHS.	Manual Data Entry	
IT Infrastructure Investment Amount	Total amount invested in IT infrastructure.	Manual Data Entry (USD)	$1,234,567.89

Appendix A. Key Management Questions Answered Through the NLM Portfolio Metamodel

A.1 Portfolio View: Alignment

The ***Alignment*** portfolio analysis view seeks to evaluate the linkage between an organization's business unit activities and its business goals and objectives and, in the case of federal agencies, also their mandated mission. With these guidelines, NLM's baseline alignment analyses enable drilling down to understand how singular NLM offerings (or groups of NLM offerings) support the realization of NLM strategic plan elements and fulfillment of NLM's responsibilities mandated by law, regulation, or other authoritative source. In the future, NLM should specify the desired outcomes (e.g., performance targets) for each offering and incorporate views into alignment analyses that examine the extent to which NLM is achieving its desired outcomes.

A.1.1 What offerings does NLM provide to user constituencies?

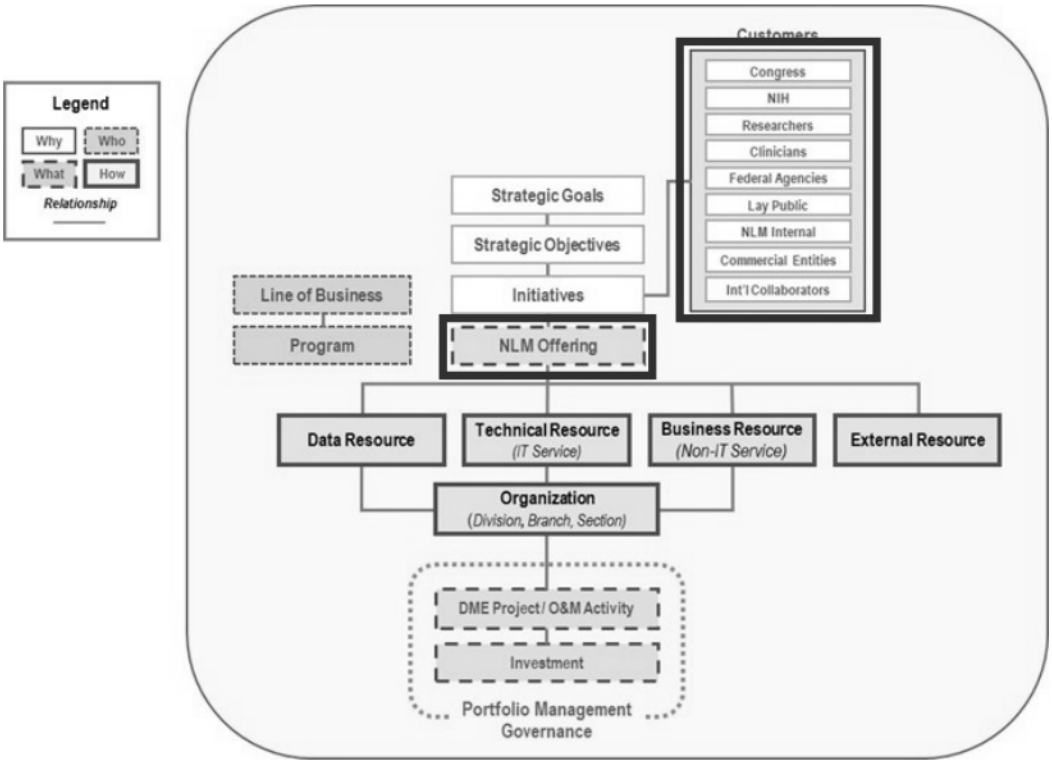


Figure 2. Alignment Question 1.1 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Offering Short Description • Offering Type
Customers	• Customer Name

Outputs:

1.1.1 Count of NLM offerings

1.1.2 Comprehensive, descriptive list of NLM offerings

1.1.3 Count of NLM offerings serving different customer types

A.1.2 How do NLM offerings relate to each other?

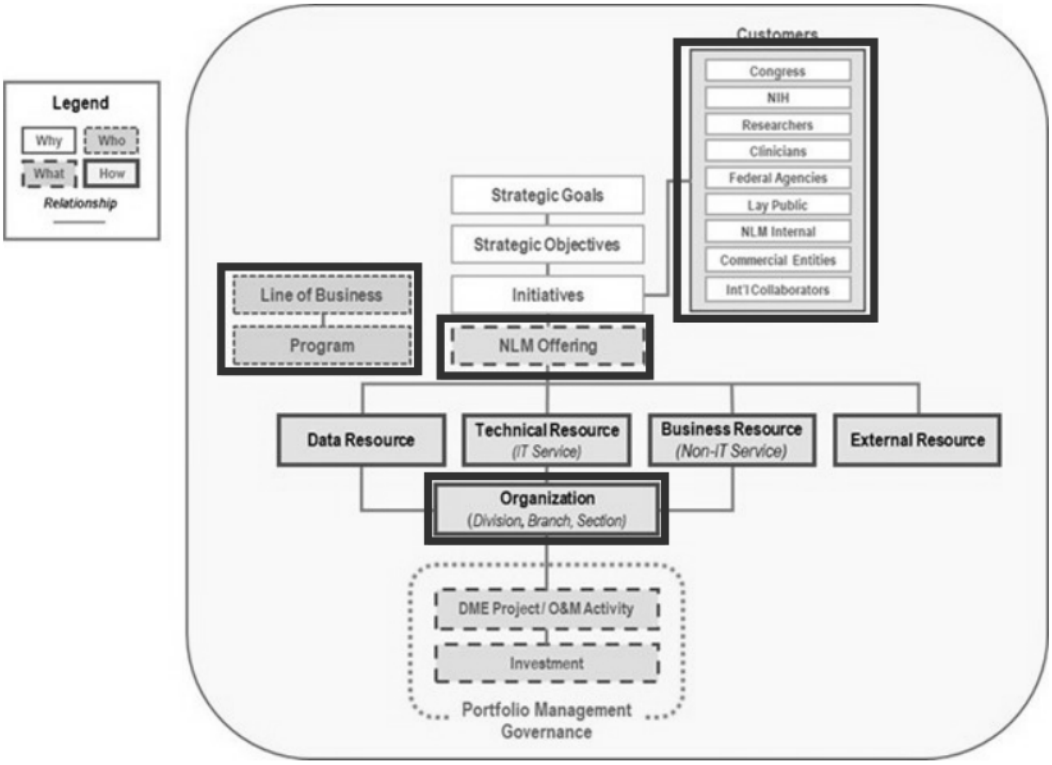


Figure 3. Alignment Question 1.2 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Offering Type • Offering Group
Customers	• Customer Name
Line of Business	• LOB Name
Program	• Program Name
NLM Organization	• Organization Name

Outputs:

1.2.1 Count of NLM offerings by NLM organization (i.e., Division, Branch, Section)

1.2.2 Count of NLM offerings differentiated by offering type

1.2.3 Count of offerings by offering group

1.2.4 *(Future PfM Report)* Count of NLM offerings by NLM lines of business

1.2.5 *(Future PfM Report)* Count of NLM offerings by NLM program

A.1.3 How are NLM's current offerings directed by law, regulation, policy, or other mandate?

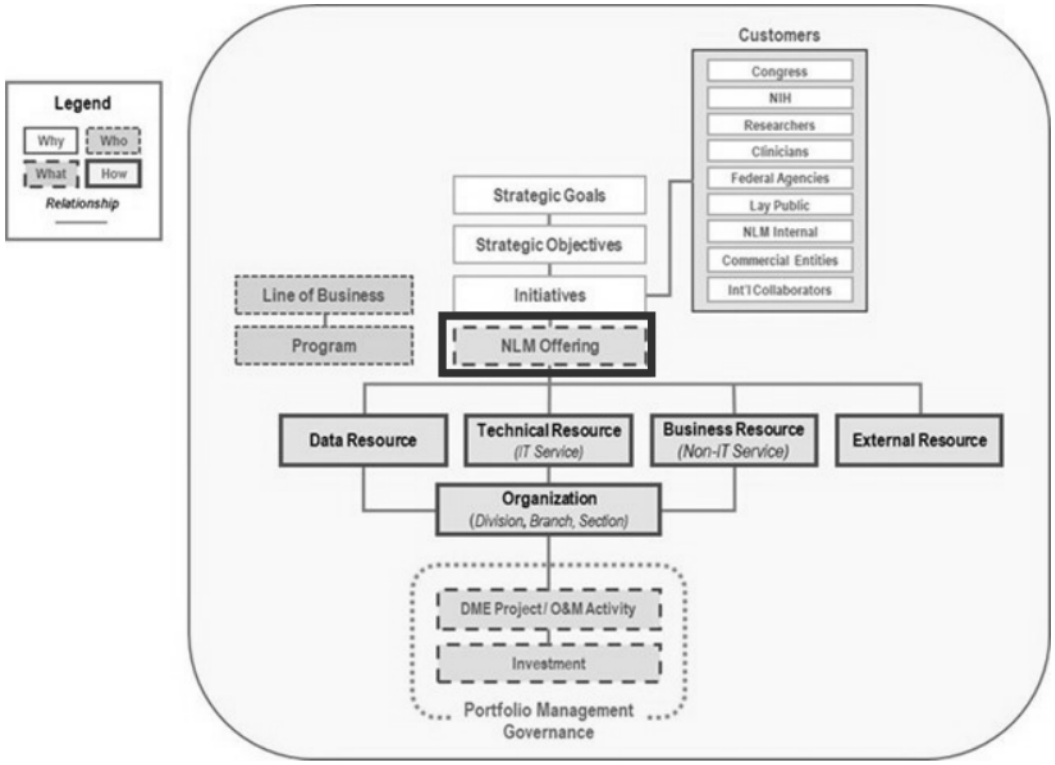


Figure 4. Alignment Questions 1.3 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Mandate Source Type • Mandate Reference

Outputs:

1.3.1 Count of NLM offerings by mandate source type

1.3.2 List of NLM offerings with mandate reference citation

A.1.4 How do NLM offerings align to NLM strategic goals, objectives, and initiatives?

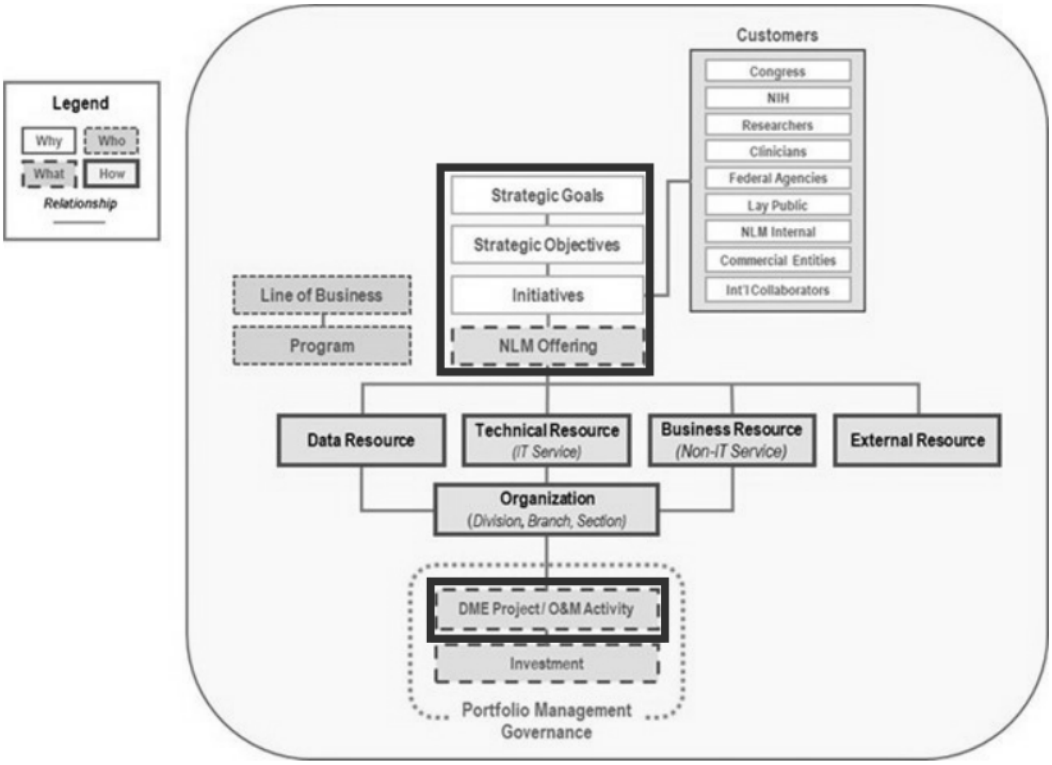


Figure 5. Alignment Question 1.4 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short)
Strategic Goal	• Strategic Goal Name
Strategic Objective	• Strategic Objective Name
Initiative	• Initiative Name
DME Project	• DME Project Name

Outputs:

1.4.1 Count of offerings aligned to each strategic goal

1.4.2 Count of offerings aligned to each strategic objective (per goal)

1.4.3 Count of offerings aligned to each 2018 strategic initiative (per objective)

1.4.4 (*Future PfM Report*) List of DME projects aligned to NLM initiatives

1.4.5 (*Future PfM Report*) Grouping(s) of DME projects identified by NLM to address specific initiatives associated with NLM strategic plan implementation and aligned to NLM offerings

A.2 Portfolio View: Fiscal Balance

The ***Fiscal Balance*** view typically presents actual operational expenditures versus expected benefits. Mature organizations will also evaluate expenditures against risk and benefits. For NLM's baseline PfM capability, NLM's diverse, public-facing offerings are the primary benefit in focus. The current-state view visualizes the allocation of fiscal year expenditure totals among offerings and by expenditure category, such as federal and contractor labor, service contracts, and IT services.

Investment information, when available within the portfolio database in the future, will further enhance NLM's ability to understand the results of specific federal investments. It may also highlight opportunities to eliminate or consolidate similar investments and be more operationally efficient.

A.2.1 What is the cost of making and maintaining NLM offerings?

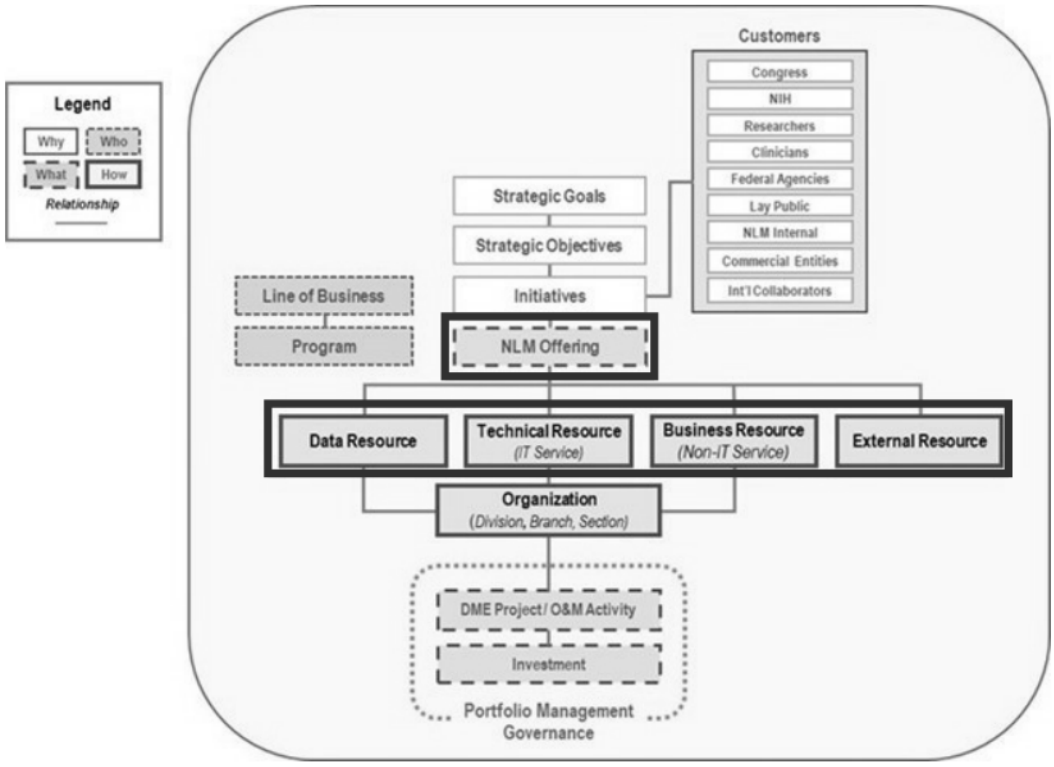


Figure 6. Fiscal Balance Question 2.1 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short)
Business Resource	• Business Resource Name
Data Resource	• Data Resource Name • Data Resource Expenditure Amount ($US; FY Total to Date)

Item	Attribute
External Resource	• External Resource Name • External Resource Expenditure Amount ($US; FY Total to Date)
Technical Resource	• Technical Resource Name • Technical Resource Expenditure Amount ($US; FY Total to Date)

Outputs:

Offering Expenditure Information

2.1.1 Total expenditures for offerings

2.1.2 A list of the "top-n" offerings with the highest expenditures

2.1.3 The breakdown of offering total expenditures among Division activities, IT services, and NLM shared services

2.1.4 The breakdown of Division expenditures for an offering by expenditure type

2.1.5 A list of the "top-n" offerings by total expenditures for IT shared services

2.1.6 A list of the "top-n" offerings by total expenditures for NLM shared services

Resource Expenditure Information

2.1.7 (*Future PfM Report*) Total expenditures by resource type (i.e., business, data, technical, and external[3])

2.1.8 (*Future PfM Report*) The breakdown of offering expenditures attributable to resource type (i.e., business, data, technical, and external)

2.1.9 (*Future PfM Report*) A list of the "top-n" resource expenditures by resource type (i.e., business, data, technical, and external)

2.1.10 (*Future PfM Report*) A list of the "top-n" offerings with the highest expenditures for each resource type (i.e., business, data, technical, and external)

2.1.11 (*Future PfM Report*) The breakdown of total expenditures by offering attributable to resource business, data, technical, and external resources against risk and resource type

[3] Determining the costs of shared resources requires a transparent, repeatable, and reasonable cost allocation approach. In addition, capturing the cost of specific external resources requires that charge-back mechanisms be in place to quantify the support NLM received from those resources.

A.2.2 How much does NLM spend on offerings with a similar purpose?

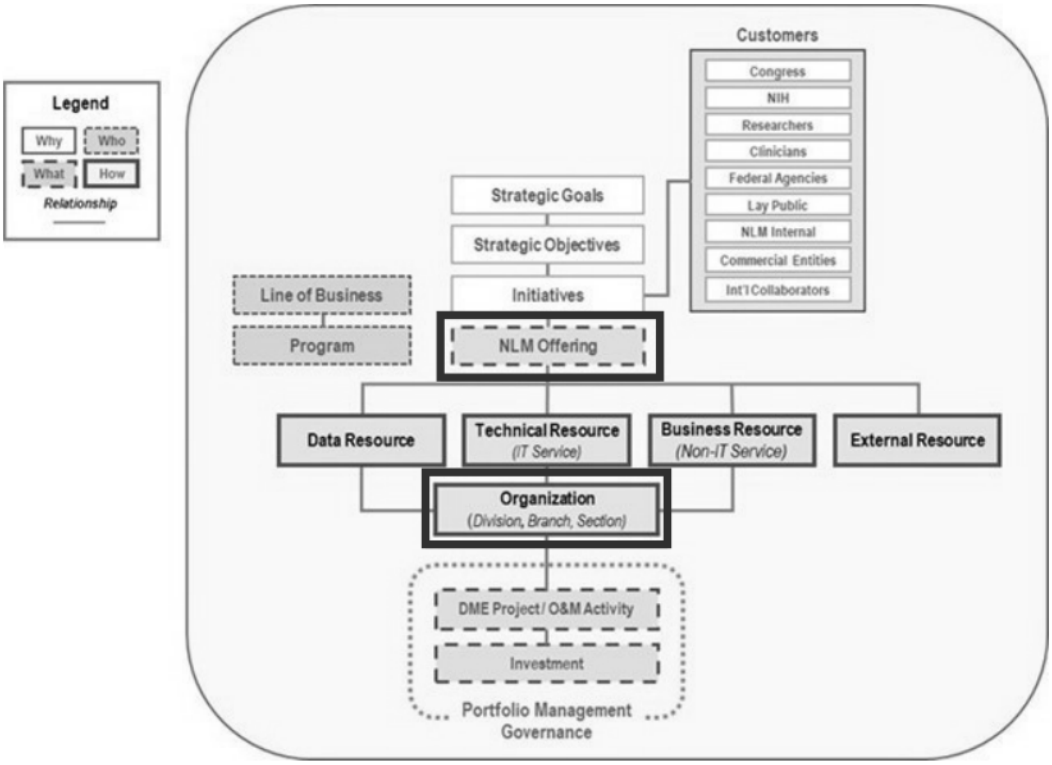


Figure 7. Fiscal Balance Question 2.2 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Offering Group
Expenditures	• Expenditure Category • Expenditure Type • Expenditure Total ($US; FY Total to Date)

Outputs:

2.2.1 Total expenditures by offering group

2.2.2 Breakdown of offering group expenditures by expenditure type

A.2.3 What is the composition of NLM Investments?

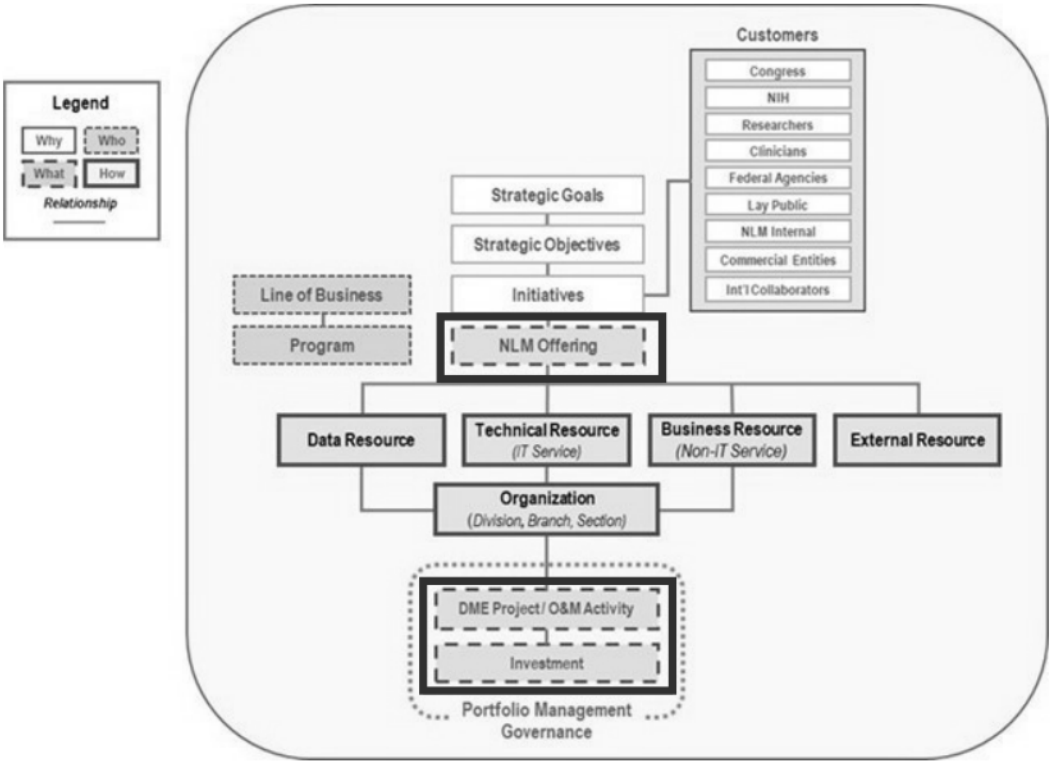


Figure 8. Fiscal Balance Question 2.3 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short)
Investment	• Investment Name • Investment Amount ($US; FY Total to Date
Investment Line	• Investment Line Name • Investment Line Investment ($US; FY Total to Date)
DME Projects	• DME Project Name • DME Project Expenditure Amount ($US; FY Total to Date)
O&M Activity	• O&M Activity Name • O&M Activity Expenditure Amount ($US; FY Total to Date)
IT Infrastructure	• IT Infrastructure Project Name • IT Infrastructure Investment Amount ($US; FY Total to Date)

Outputs:

2.3.1 (*Future PfM Report*) Total of investments

2.3.2 (*Future PfM Report*) The breakdown of total investments by investment category (i.e., DME, O&M, and IT infrastructure)

2.3.3 (*Future PfM Report*) A list of the "top-n" investments by investment category (i.e., DME, O&M, and IT infrastructure)

2.3.4 (*Future PfM Report*) The breakdown of investments by offering according to investment category (i.e., DME, O&M, and IT infrastructure)

2.3.5 (*Future PfM Report*) Total of investments by NLM organization

2.3.6 (*Future PfM Report*) Breakdown of investments for DME projects and O&M activities by NLM organization

2.3.7 (*Future PfM Report*) A list of the "top-n" offerings with the highest total investment amount

2.3.8 (*Future PfM Report*) A list of the "top-n" offerings with the highest total investment amount by investment category (i.e., DME, O&M, and IT infrastructure)

A.2.4 How much funding has NLM invested to implement strategic initiatives?

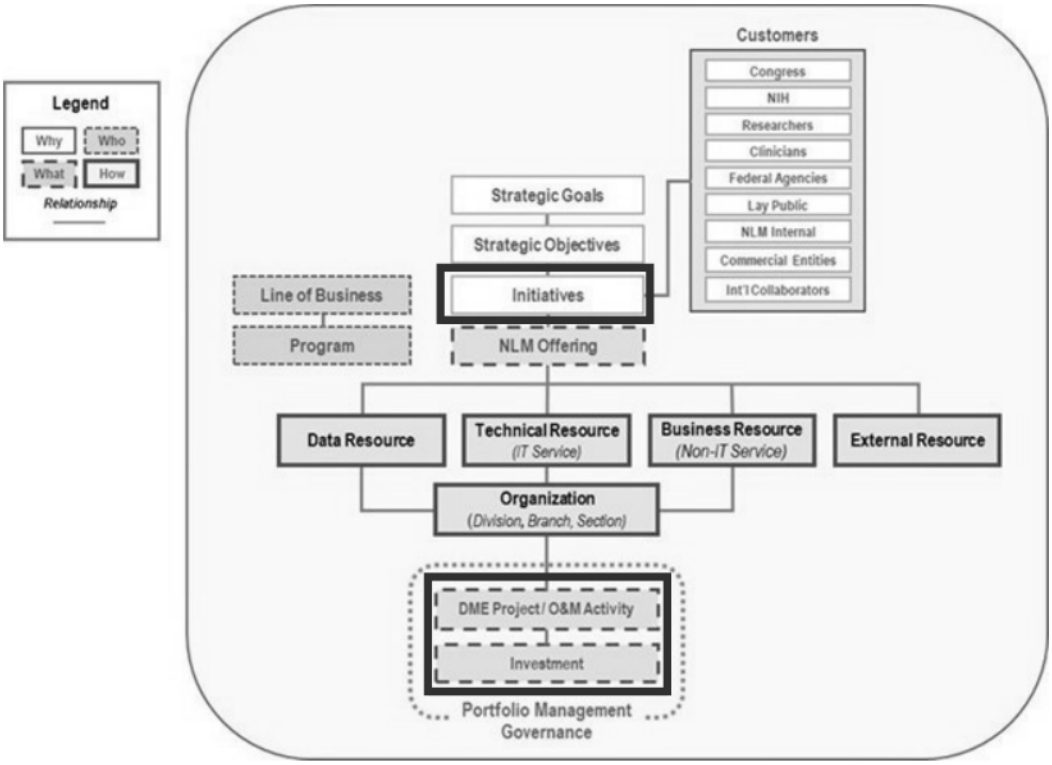


Figure 9. Fiscal Balance Question 2.4 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
Offering	• Offering Name (Short)
Initiative	• Initiative Name
Investment	• Investment Name • Investment Expenditure Amount ($US; FY Total)
DME Projects	• DME Project Name • DME Project Expenditure Amount ($US; FY Total)
O&M Activity	• O&M Activity Name • O&M Activity Expenditure Amount ($US; FY Total)

Outputs:

2.4.1 *(Future PfM Report)* The total investments in dollars allocated to address specific NLM initiatives

2.4.2 *(Future PfM Report)* A list of all investments, designated either DME project or O&M activity, allocated to offerings aligned with specific NLM initiatives

2.4.3 *(Future PfM Report)* A list of the "top-n" initiatives with the highest total dollar investment amount

2.4.4 *(Future PfM Report)* The total investments in dollars allocated to organizations responsible for resources implicated in achieving NLM initiatives

2.4.5 *(Future PfM Report)* The total expenditures in dollars allocated to address specific NLM initiatives

2.4.6 *(Future PfM Report)* A list of all expenditures, designated either DME project or O&M activity, allocated to offerings aligned with specific NLM initiatives

2.4.7 *(Future PfM Report)* A list of the "top-n" expenditures with the highest total dollar amount

2.4.8 *(Future PfM Report)* The total expenditures in dollars allocated to organizations responsible for resources implicated in achieving NLM initiatives

A.3 Portfolio View: Constraints and Dependencies

The ***Constraints and Dependencies*** portfolio view examines general constraints and dependencies that affect portfolio and portfolio component performance. NLM's current-state metamodel provides a preliminary view of dependencies among offerings as well as between offerings and NLM resources owned by NLM Divisions. Potential constraints that may be added to NLM portfolio view include funding, technology, NLM mandate, and complexity. More research is needed to identify the important management questions related to operational constraints and dependencies that the portfolio metamodel may be configured to answer.

A.3.1 How are NLM resources allocated to deliver NLM offerings?

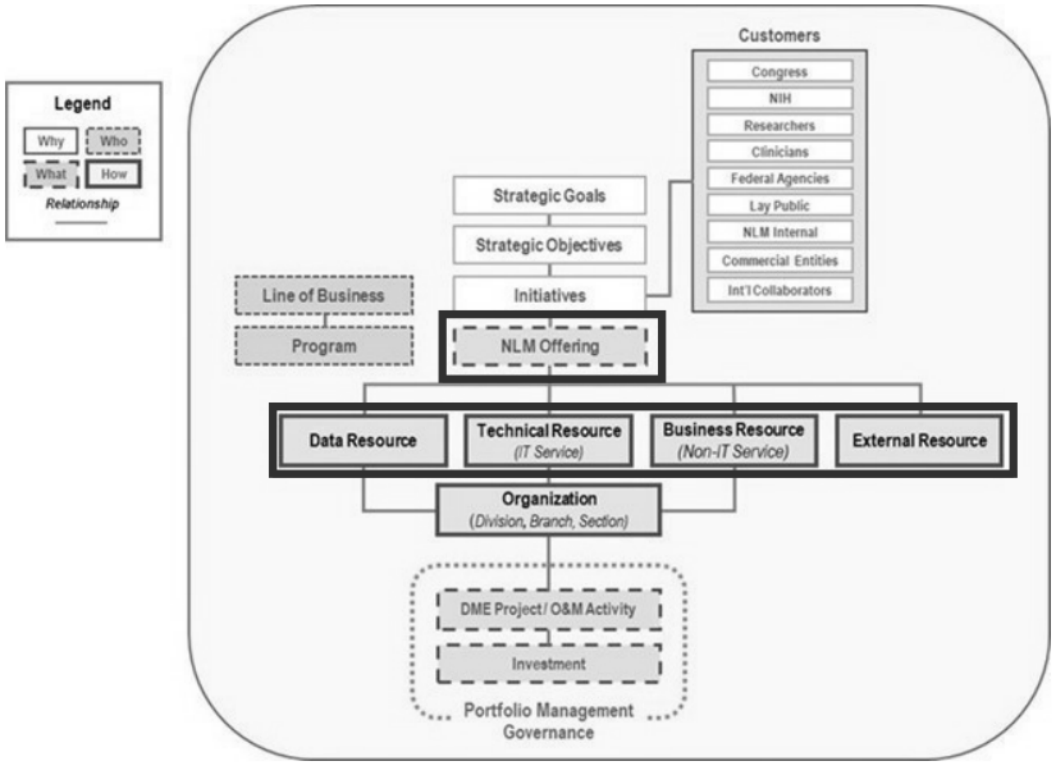


Figure 10. Constraints and Dependencies Question 3.1 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
Offering	• Offering Name (Short)
Business Resource	• Business Resource Name
Data Resource	• Data Resource Name
Technical Resource	• Technical Resource Name • DME Project Expenditure Amount ($US; FY Total)
External Resource	• External Resource Name

Outputs:

3.1.1 A list of resources (i.e., business, data, technical, and external) utilized by each NLM offering

3.1.2 A list of "top-n" resources (i.e., business, data, technical, and external) utilized by NLM offerings

3.1.3 (*Future PfM Report*) The total approximate expenditures in dollars attributable to the "top-n" shared resources (i.e., business, data, technical, and external)

3.1.4 (*Future PfM Report*) The total approximate expenditures in dollars attributable to the "top-n" shared resources (i.e., business, data, technical, and external) as a percentage of total resource costs

A.4 Portfolio View: Value

The ***Value*** portfolio view combines different indicators related to the organization's cost and funding profile, effectiveness, delivery timeline, and risks to produce a composite data point that indicates value delivered. NLM's portfolio is very diverse; for this reason, a singular value indicator cannot be applied to all portfolio components. Further work is needed to identify key value indicators. In some instances, volume and/or demand may be good indicators of customers' appreciation of NLM offerings. These types of indicators serve as a rough indicator of usefulness (e.g., low demand equates to low usefulness); however, for some offerings with a small customer constituency or specific delivery mandate, neither volume nor demand may suffice to answer the value question. Other value indicators would be required. Future work to build NLM PfM capabilities should include developing a strategy to identify value indicators for each offering or for similar offerings.

Possible strategies for determining value measures include:

1. Conduct customer surveys and analyze feedback to understand customers' perspectives
2. Select key performance indicators based on success criteria determined for an offering or a group of offerings
3. Determine a means to evaluate whether an individual offering (or a group of offerings) fulfills a mandate from Congress, NIH, NLM, or other authoritative source
4. Determine the offering's relevance and uniqueness in the market

The following are examples of value-related management questions:

- 3.1 What is the demand (usage) for NLM offerings? How has demand changed over a defined time period ("n")?
- 3.2 What is the volume of customers (total and by customer type) for each NLM offering? How has customer volume and composition changed over a defined time period ("n")?
- 3.3 How are NLM's flagship offerings performing against key performance indicators measured over a defined time period ("n")?
- 3.4 What identifiable value do offerings provide users/customers?
- 3.5 What value do customers receive from NLM offerings, as conveyed through their feedback?
- 3.6 How does offering value compare with offering total expenditures?
- 3.7 How do offerings act as a support or foundation to external outcomes (e.g., development of apps and other industry technologies, lives saved, and student/research development)?

A.5 Portfolio View: Health

The ***Health*** portfolio view provides information to help an organization understand how well it is executing against its plans for investing, expending, and accomplishing key activities. The Health view analyzes the state of individual investments against the portfolio: how many investments are on track, over budget, under budget, on or behind schedule, etc. As NLM's PfM maturity progresses, NLM may consider expanding the portfolio metamodel to capture information to respond to the following management questions, which are offered as examples only:

5.1 What is the fiscal year budget variance (planned vs. actual)?

5.2 What is the fiscal year budget variance (planned vs. actual) by Division?

5.3 What is the fiscal year variance (planned vs. actual) for NLM projects?

5.4 What is the time estimated to finish the NLM budget?

5.5 What is the workplan variance for NLM initiatives?

5.6 What is the workplan variance for 2018 DME projects?

5.7 What is the workplan variance for 2018 O&M activities?

5.8 What is the fiscal year budget variance (planned vs. actual)?

5.9 What is the budget variance between successive fiscal years?

A.6 Portfolio View: Risk

The ***Risk*** portfolio view associates a risk indicator or score to portfolio components to enable an organization to ensure the amount of risk is commensurate with the potential benefits across the short, medium, and long term. Risk can be examined from multiple perspectives, including investment function/execution, organizational reputation, operational, and competitive position. The level of risk acceptable to an organization depends on its priorities. Therefore, understanding those priorities and potential tradeoffs are paramount. A portfolio risk view is indicative of more a mature PfM approach. Some risk-related management questions are:

6.1 What level of risk does NLM assume by providing the offering?

6.2 How does an offering compare to similar offerings in the marketplace?

Glossary of Select Terms and Data Values

Expenditure Types

Division Programmatic and Operational Activities

Division Federal Salaries	For example, staff executing programmatic/operational roles in support of specific offerings or multiple offerings; includes IT developer time when supporting specific offerings.
Contract Salaries	For example, external contractors hired to support specific offerings or multiple offerings; works alongside federal staff.
Service Contracts	For example, contracts established to purchase a specific service in support of NLM Offering delivery.
Other Support Costs	For example, cost that is potentially allocable across all offerings and not generally offering-specific, such as administrative / management overhead, supplies, travel, and training.
Division-Specific IT Services	IT services provided by an NLM provider (e.g., OCCS) that are specific to a Division (i.e., software, applications, etc.).
NLM-Wide IT Shared Service Costs	IT services that are provided across all of NLM (e.g., data center and network).

Technology Business Management IT Tower Definitions[4]

IT Management	The IT Management tower includes the costs to manage, administer, and plan IT for the enterprise. It includes executive management, strategic management, enterprise architecture, IT finance, and vendor management.
Security and Compliance	The Security & Compliance tower includes service costs related to IT security compliance and disaster recovery. The scope includes costs to define, establish, enforce, and measure security, compliance, and disaster recovery readiness for the enterprise.
Delivery	The delivery tower includes the costs to monitor, support, manage, and run IT operations for the enterprise and includes the IT Service Management (ITSM) functions.
Application	The Application tower includes costs related to applications in the

[4] https://www.tbmcouncil.org/sites/default/files/tbmc_tbm_taxonomy_3.0.pdf

	enterprise. The scope includes the cost of business software and the costs to develop, manage and run applications for the enterprise.
Storage	Storage provides centralized data storage and securely holds information and data to be retrieved later. Storage may hold data for application programs and code, databases, files, media, email and many other forms of information. The storage tower includes distributed and mainframe storage that provides on-line storage for real-time access and archival storage solutions that may enable near-term retrieval or long-term archival. The storage tower excludes the internal storage included with a typical server configuration or end-user device such as a laptop, desktop or mobile phone, or tablet.
Compute	Compute refers to both general and special-purpose devices and software that are programmed to carry out a set of arithmetic or logical operations. In essence, it provides the "brains" to process application and user requests. Compute includes a wide range of physical and virtual servers differentiated by platform and operating system. The Compute tower should include all direct hardware, software, labor, and outside service costs.
Platform	Platform includes all costs associated with distributed and mainframe databases and middleware systems. Costs include DBMS software and tools, labor, and outside services.
Network	Network includes the data and voice equipment along with the transport methods to connect systems and people and to enable people to converse. Networks provide core connectivity within the enterprise data centers as well as connectivity to and access within office building and remote locations.
Data Center	Data centers are purpose-built facilities to securely house computer equipment. Data centers provide racks/cabinets and cabling; clean and redundant power; data connectivity; environmental controls, including temperature, humidity, and fire suppression; physical security; and the people to run and operate the facility and its infrastructure.

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From: Huerta, Mike (NIH/NLM) [E]
Sent: 27 Feb 2019 23:07:21 +0000
To: Federer, Lisa (NIH/NLM) [E]
Subject: FW: Tracking Progress
Attachments: Metrics - Strategic Plan Implementation - Feb2019 clean.docx, ESM initiative owners Feb2019.xlsx

fyi

From: Huerta, Mike (NIH/NLM) [E]
Sent: Wednesday, February 27, 2019 5:55 PM
To: NLM Leadership <NLMLeadership@mail.nih.gov>
Cc: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Tracking Progress

Hi all – We would appreciate your help with two items.

Last summer we started talking about identifying indicators of success of our implementation of the strategic plan, and we have continued talking about this from time to time; those ideas are reflected in the attached Word document. In the document, leadership owners have been identified by their initials in parentheses in the initiative column. While these ideas are more or less the results of brainstorming, we would like to advance the conversation by asking you to think carefully about your respective initiatives and identify concrete the success goal of each initiative and how you will measure how close the initiative is to that goal (the goal and metrics should be stated in the third column). These initiatives will ultimately be entered into the ESM tool. We plan to present our September 2018 to September 2019 progress on these initiatives in our September meeting of the Board of Regents. It will be helpful to hear from you at tomorrow's Leadership Meeting about how much time you think it might take to do this.

Speaking of ESM, most implementation initiatives listed there have more than one leadership member as an owner. We would like to identify one owner as the point of contact for each initiative in ESM. For your convenience, attached is a spreadsheet with initiative names, leadership owners, and project managers. For each initiative of which you are a leadership owner, please consult with leadership co-owners and decide which of you will serve as the point of contact for that initiative. Again, it would be good to get a sense of how long you might need to do this at tomorrow's meeting.

Your help with this is much appreciated - Mike

Michael F. Huerta, Ph.D.
Director
Office of Strategic Initiatives
Associate Director
National Library of Medicine
National Institutes of Health
301-827-6451

METRICS FOR MEASURING IMPLEMENTATION OF THE STRATEGIC PLAN
[Need to add in activities from the ESM tool]

STRATEGIC PLAN GOAL/OBJECTIVE	INITIATIVE	METRICS – INITIATIVE TARGET
1-Accelerate discovery and advance health through data-driven research		
1.1 Connect the resources of a digital research enterprise	Link articles to associated data sets - JO	Number of articles in PubMed linked to data sets – xxxx articles w/ linked data by 2022 (???)
1.2 Advance R&D in biomedical informatics and data science	Expand funding for intramural research – MC, JO (with Eddie)	Intramural research program budget (growth from baseline)/ % of total NLM budget.
	Hire NLM-wide scientific director (MH)	Lay out timeline and process - Hire by end of CY2019
	Hire more intramural investigators (JO)	Number of investigators in NLM IRP – get 3 more by end of CY2019
	Expand funding for extramural research to support new biomedical data-science initiatives (RPG and SBIR) (VF)	Number of new initiatives Number of RPG grants funded from new initiatives Number of SBIR grants funded from new initiatives
	Expand collaboration with other ICs and agencies on data science oriented FOAs (VF)	Number of multi-IC or agency FOAs joined Number of new grants funded from joint FOAs in data science areas
	Persistent unique IDs w/in NLM systems (MH)	
	BMIC criteria for data repositories (MH)	
	OSTP criteria for data repositories OSTP data management plan guidance	

	(JS/MH)	
1.4 Create sustainable institutional, physical, and computational infrastructure	Migrate high availability resources to the cloud (JO/ID)	Number of resources in the cloud % of resources migrated
2—Reach more people in more ways through enhanced dissemination and engagement		
NOTE: establishment of centralized Outreach organization in NLM advances all of the below		
2.3 Support research in biomedical and health information access methods and information dissemination strategies	Increase support for G08 resource grants by expanding funding to one FOA per year (VF)	Number of applications funded
	Support scholarly works G13 grants relating to interests of primary NLM audiences (VF)	Number of applications funded
2.4 Enhance information delivery	MITRE Assessment ? (ID/JO)	Implement a digital scorecard platform for measuring customer experience; establish performance indicators for **at least five** major NLM public-facing information resources.
	Support NN/LM activities to enhance understanding of data science and advanced data management (JB)	Number of NN/LM initiatives with data science focus Number of participants in data-science focused NN/LM initiatives
3--Build a workforce for data-driven research and health		
3.1 Expand and enhance research training for biomedical informatics and data science	Expand extramural training grant support for predoctoral biomedical data science (Ts) - VF	Number of predoctoral trainees in NLM-supported programs in data-science tracks
	Increase funding for postdoctoral fellowships in data science for mid-career researchers (Fs) - VF	Number of postdoctoral trainees in NLM-supported fellowships
	Increase funding for career transition awards in biomedical data science (Ks) - VF	Number of data-science focused K awards

3.2 Assure data science and open science proficiency	Support partnerships to share NLM curriculum materials in biomedical data science with other NIH training programs	Number of partnerships supported
	NLM Data science assessment/training (JB)	
3.3 Increase workforce diversity	Increase support for training partnerships with MSIs - VF	Number of projects supported Evidence of biomedical data science in curricula of MSI partners
	Increase support for partnerships with I-schools - VF	Number of projects supported Evidence of biomedical data science in curricula of I-school partners

Project Manager	Leadership Team Owners	Initiative name
Dina Demner-Fushman	NA	1.1a Assessment of MeSH and Auto-Indexing
Deborah Ozga	Jim Ostell Joyce Backus	1.1b MEDLINE 2022
Beth Melby	Ivor D'Souza Jim Ostell	1.1c NLM Portfolio Assessment by MITRE
Peter Seibert	Mike Huerta Joyce Backus	1.1d DATaset Metadata Model (DATMM) Initiative
Anna Ripple Dianne Babski	NA	1.1e CDE Repository Study
Elizabeth Kittrie	Jerry Sheehan Valerie Florance	1.2a Blue Ribbon Panel Review of NLM Intramural Research Program
Hua-Chuan Sim Jane Ye	Mike Huerta Valerie Florance	1.2b NLM-NSF MOU Innovative Mathematical, Statistical, and Computational Approaches to Biomedical Data Science
Hua-Chuan Sim	Valerie Florance	1.2c FOA on at-scale curation approaches
NA	Jerry Sheehan Mike Huerta	1.2d Data Science & Open Science Workshop
Alicia Ross Hua-Chuan Sim	Valerie Florance	1.2e Expand funding for extramural research to support new biomedical data-science initiatives (RPG and SBIR)
Alicia Ross	Valerie Florance	1.2f Expand collaboration with other ICs and agencies on data science oriented FOAs
Evgeny Kireev	Florence Chang	1.4a TOXNet platform migration
Janice Kelly	Jim Ostell	1.4a TOXNet platform migration
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b1 IT Assessment - Team 1
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b2 IT Assessment - Team 2
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b3 IT Assessment - Team 3
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b4 IT Assessment - Team 4
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b5 IT Assessment - Team 5
NA	Mike Huerta	1.4f Assessment of Trans-NLM Central Functions
Lisa Federer	Mike Huerta	1.4g Project Management for Implementation Initiative
Mark Ziomek	Joyce Backus Todd Danielson	1.4h Workspace Initiative-Redesign First Floor of Building 38
Kathel Dunn Kathy Cravedi	Mike Huerta	1.4i NLM Strategic Plan Communication (internal)
Michael Simpson	Ivor D'Souza	1.4j Data Center Reliability Project
Elizabeth Kittrie	Mike Huerta Patti Brennan	1.4k NAS Study on Forecasting Costs of Data Preservation and Management
NA	Mike Huerta Todd Danielson	2.1a Outreach planning
Fred Wood	Mike Huerta	2.1b Assessment of Tools used for NLM Resource Evaluation
Fred Wood	Mike Huerta	2.1c Assessment of Comparative Web Metrics
NA	Jim Ostell	2.1d User Experience / User Development Initiative
Kathy Cravedi	Mike Huerta	2.1e External Communications Plans & Information Resources
Alicia Ross	Valerie Florance	2.1f Informatics Professionals Outreach, Training and Development
Kathy Cravedi	Joyce Backus	2.2a Branding of NLM
Alicia Ross	Valerie Florance	2.3a Expand support for research grants that address user needs through the Personal Health Libraries FOA
Alicia Ross	Valerie Florance	2.3b Increase support for G08 Resource Grants
Alicia Ross	Valerie Florance	2.4a Support NN/LM activities to enhance understanding of data science and advanced data management
Lisa Federer	Mike Huerta	3.1a Data Science Core Skills Analysis
Alicia Ross	Valerie Florance	3.1b Expand extramural training grant support for predoctoral biomedical data science (Ts)
Alicia Ross	Valerie Florance	3.1c Increase funding for postdoctoral fellowships in data science for mid-career researchers (Fs)
Lisa Federer	Mike Huerta	3.2a Report on State of Data Science Training
Maryam Zaringhalam	Mike Huerta	3.2b1 Reproducibility for Intramural Scientists Workshop
Maryam Zaringhalam	Mike Huerta	3.2b2 Second Reproducibility for Intramural Scientists Workshop
Lisa Federer	Mike Huerta	3.2c Data Science for Librarian Workforce Workshop
Lisa Federer Maryam Zaringhalam	Mike Huerta	3.2d Assessment of extramural staff data science training needs
Alicia Ross	Valerie Florance	3.2e Support partnerships to share NLM curriculum materials in biomedical data science with other NIH training programs
Alicia Ross	Valerie Florance	3.3a Increase support for training partnerships with MSIs
Hua-Chuan Sim	Valerie Florance	3.3b Increase support for partnerships with I-schools
Alicia Ross	Valerie Florance	3.4b Expand support for summer research training at NLM training programs for high school and undergraduate students
NA	Mike Huerta Milt Corn	R1 Recruit Chief Data Science Innovator
NA	Clem McDonald Jim Ostell	R2 Data Science Senior Investigator
NA	Clem McDonald Jim Ostell	R3 Data Science Tenure Track Investigator
NA	Clem McDonald Jim Ostell	R4 Data Science Tenure Track Investigator (clinical)
NA	Mike Huerta	R5 Data Science & Open Science Staff Positions
NA	Jim Ostell	R6 Director, User-Centered Design

NA	NA	R7 Health Data Standards Officer

From: Brody, Stacy (NIH/NLM) [C]
Sent: 1 Mar 2019 16:49:12 +0000
To: Goodwin, Rebecca (NIH/NLM) [E];Paltoo, Dina (NIH/NLM) [E]
Subject: RE: Check-In Questions

Great! I will get a meeting on the calendar and reserve a room.

Cheers,

Stacy Brody
National Library of Medicine
Associate Fellow, 2018 - 2019
stacy.brody@nih.gov
301-827-5127

From: Goodwin, Rebecca (NIH/NLM) [E]
Sent: Friday, March 1, 2019 9:48 AM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>; Brody, Stacy (NIH/NLM) [C] <stacy.brody@nih.gov>
Subject: RE: Check-In Questions

Stacy my apologies I misread JP's message…I can make it work for Monday March 25th at 2pm, which also works for JP, Ellen, Erin, and Dina.

Thanks,
Rebecca

From: Paltoo, Dina (NIH/NLM) [E]
Sent: Friday, March 1, 2019 9:19 AM
To: Brody, Stacy (NIH/NLM) [C] <stacy.brody@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
Subject: Re: Check-In Questions

I will explain the repositories RFI when we meet.

Dina N. Paltoo, Ph.D., M.P.H.
Sent from my iPhone - please excuse any spelling or grammatical errors

On Mar 1, 2019, at 8:44 AM, Brody, Stacy (NIH/NLM) [C] <stacy.brody@nih.gov> wrote:

> Good morning,
>
> Re: Open Science Meeting: I don't think JP mentioned March 29 in his email, but I could ask if it might be a possibility.
>
> I will add the bill to the list.
>
> I will add Supreme Court © in the wiki as news begins to come out about them.

Cheers,

Stacy Brody
National Library of Medicine
Associate Fellow, 2018 - 2019
stacy.brody@nih.gov
301-827-5127

From: Goodwin, Rebecca (NIH/NLM) [E]
Sent: Friday, March 1, 2019 7:38 AM
To: Brody, Stacy (NIH/NLM) [C] <stacy.brody@nih.gov>; Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Subject: RE: Check-In Questions

Thanks Stacy these are helpful updates and questions.

A few thoughts and Dina may want to chime in also:

1. It doesn't seem like there is one date or time everyone can meet for the Open Science report. The top option right now is April 1 at 1pm – 2pm, but I see Dina might have a meeting at that time. Should we move into the second week of April?
    a. Seemed like Mar 29th everyone was avail and that would be ideal.
    b. April 1 is the monthly Copyright Group mtg but we could shift to Noon-1 if needed
2. MLA Fact Sheets: I posted the drafts thus far on the Wiki. The public access sheet should be done on our end. I remember Mary said she was going to update the federal agencies, and I updated the images and databox section. The main fact sheet has also been updated with new logos and numbers. I need to delete all the comments. However, I will leave them for now in case there are questions on sources for statistics and figures.
    a. Great thanks will review
3. In Susan Gregorick's presentation at the NASEM meeting yesterday, she mentioned an RFI on repositories for data sharing. Is this a separate RFI from others we have talked about previously?
    a. I don't think there is a separate RFI. I think she was referencing the BMIC list of repositories and the lowercase not formal process request for info that Tony, Fred, Mike, and Elizabeth sent to BMIC members and to data repos owners
4. Tracking bills: Are there some key facts or figures to look at to see if a reintroduced bill will go anywhere? Does the number of co-sponsors on previous iterations provide any insight?
    a. No clear test, and historical experience w bill in prev sessions might be informative but not the whole story. A bill can still go even with few cosponsors, but a lot of cosponsors is a good indication it might have some momentum

5. There is one "maybe" bill I have left in the legislative inbox. It is related to CDC and EPA programs: National Air Toxics Assessment, Integrated Risk Information System, and Agency for Toxic Substances and Disease Registry. I can see how this might relate to ToxNet/ToxTown or other public and environmental health work of NLM. Would you track it?
    a. Yes I would track that
6. I thought the copyright group's brown bag today was great! I remember seeing in a recent slide deck from NJ about the Supreme Court's previous and upcoming cases a few about copyright and patentability. Are any of these on the radar of NLM and/or the NLM copyright group?
    a. Thanks – no the copyright group doesn't really tend to track pending cases. Please do track Supreme Court cases related to copyright, patent, licensing… can't put them in CQ, so just in the wiki

Best regards,
Rebecca

_------_____------_____
Rebecca Goodwin, JD
Policy Analyst and Open Science Specialist
Office of Strategic Initiatives
U.S. National Library of Medicine
National Institutes of Health
301.827.4350
Rebecca.Goodwin@nih.gov

From: Brody, Stacy (NIH/NLM) [C]
Sent: Thursday, February 28, 2019 4:02 PM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
Subject: Check-In Questions

Hi,

I know we have the CQ training tomorrow, but I wanted to send some check-in questions that we might be able to address via email or before or after the demo.

1. It doesn't seem like there is one date or time everyone can meet for the Open Science report. The top option right now is April 1 at 1pm – 2pm, but I see Dina might have a meeting at that time. Should we move into the second week of April?
2. MLA Fact Sheets: I posted the drafts thus far on the Wiki. The public access sheet should be done on our end. I remember Mary said she was going to update the federal agencies, and I updated the images and databox section. The main fact sheet has also been updated with new logos and numbers. I need to delete all the comments. However, I will leave them for now in case there are questions on sources for statistics and figures.
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6. I thought the copyright group’s brown bag today was great! I remember seeing in a recent slide deck from NJ about the Supreme Court’s previous and upcoming cases a few about copyright and patentability. Are any of these on the radar of NLM and/or the NLM copyright group?

I think that is all for now.

Thank you!

Stacy Brody
National Library of Medicine
Associate Fellow, 2018 - 2019
stacy.brody@nih.gov
301-827-5127

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 5 Mar 2019 17:17:48 +0000
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: Status of SIS sunset requests
Attachments: FORM REQUEST TO RETIRE NLM TOXMAP Nov 2019rev.docx

Florence,
I'm OK with sunsetting TOXMAP. One item to clarify on the form. Will we post information on the NLM (Toxmap) website directing users to the EPA and other sources of the underlying information. I'd suggest we do so during some transition time.

Thanks
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, February 19, 2019 9:55 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Status of SIS sunset requests

Jerry,

You approved sunset plan for CHIRR, ToxMystery, and GeneEd. We are working on Letter of Agreement with Society of Toxicology for them to take the archived version of ToxLearn. There are two remaining ones, ToxMap, and CPDB. We provided additional information and revised sunset plan, attached with this email. There will be two more plans, one for Arctic Health, and another one for American Indian Health, ready for you to review. Let us know if you want to wait for the new sunset system to go live to process these two new ones.

Thanks!

Florence

REQUEST TO RETIRE NLM TOXMAP

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) The US EPA now produces several GIS products and visualization applications (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality, except the ability to search TOXNET from within the GIS tools. This was a unique feature in TOXMAP-classic, which was retired due to the obsolete technology platform. The new version of TOXMAP does not have this feature either. To make the new TOXMAP to have this feature will require major investment in software development. We cannot justify the effort because the usage of this feature was very low, averaging about 400 searches a year.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Initial Here Date

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff. Identify who needs to be informed? (staff, contractors) SIS staff, NLM staff, NNLM staff and core set of dedicated users from the Public Health and Toxicology Communities.

1. Determine questions that may need to be addressed. These may include:
   What information needs to be provided? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now

provides several GIS products that provide similar GIS functionality of TOXMAP.

- When will the information be provided? End of FY2019
- By what method(s) will information be provided? Example: Email to all NLM staff Email, GovD posts, announcement on TOXMAP web site
- If multiple messages are to be sent, by what method(s) and with what frequency? Over a three-month period.
- Are there any potential areas for misunderstanding or concern? None except that core users of TOXMAP will not have a comparable resource available.

2. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now provides several GIS products that provide similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) US EPA GIS applications and TRI applications; possibly NLM TOXNET TRI
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS.
    - What staff will be involved in this transition? Colette Hochstein
3. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☐ Information delivered at staff meetings
    - ☐ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☐ Other (Explain) Enter other mechanism(s)
4. Develop and attach a set of Talking Points for the NLM Director TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program. It will be retired at the end of FY2019. It no longer aligns with NLM priorities and because the US EPA now provides several GIS products that provide similar GIS functionality.
5. Does the NIH Director or other IC Directors need to be informed? No

    If Yes, check all that apply:

    ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☒ Other (Please elaborate) SIS has worked for many years with the US EPA regarding the data and functionality of TOXMAP. Their staff should be informed of its status.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other original sources. GIS application users can access them by overlaying the data in their GIS applications. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other sources. GIS application users can access them by overlaying the data to the maps. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

- How can I or how can my group be involved in this transition? Provide related information as needed.

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Colette Hochstein, Florence Chang

☐ Due date 9/30/2019

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
   - When will the information be provided? Starting Summer 2019)
   - With what frequency? Monthly
   - Are there potential areas for misunderstanding or concern? Probably not.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI
   - How will NLM respond to questions and comments? Staff will respond to questions received through customer service emails
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Name	Colette Hochstein, Florence Chang

From: Chang, Florence (NIH/NLM) [E]
Sent: 5 Mar 2019 17:28:16 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: Re: Status of SIS sunset requests

Jerry

Thanks for the feedback. I will provide that number on the form.

Florence

Sent from my iPhone

On Mar 5, 2019, at 12:23 PM, Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov> wrote:

> Florence,
> Also on CPDB, can you say how many (few) users there are. You say it's a small fraction (0.007% of Toxnet), but Dr. Tabak and others won't know how many users there are of Toxnet. Thanks
> Jerry
>
> ---
>
> **From:** Chang, Florence (NIH/NLM) [E]
> **Sent:** Tuesday, February 19, 2019 9:55 AM
> **To:** Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
> **Cc:** Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
> **Subject:** Status of SIS sunset requests
>
> Jerry,
>
> You approved sunset plan for CHIRR, ToxMystery, and GeneEd. We are working on Letter of Agreement with Society of Toxicology for them to take the archived version of ToxLearn. There are two remaining ones, ToxMap, and CPDB. We provided additional information and revised sunset plan, attached with this email. There will be two more plans, one for Arctic Health, and another one for American Indian Health, ready for you to review. Let us know if you want to wait for the new sunset system to go live to process these two new ones.
>
> Thanks!
>
> Florence

From: Chang, Florence (NIH/NLM) [E]
Sent: 5 Mar 2019 17:30:13 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E]
Subject: Re: Status of SIS sunset requests

Jerry

We will clarify the statements and update the form.

Thanks!

Sent from my iPhone

On Mar 5, 2019, at 12:22 PM, Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov> wrote:

> Florence,
> I'm also OK with sunsetting CPDB. The statements about continued availability of the information are confusing and should be revised. They say the content will not be available but will be made available in compressed format on the FTP site. That sounds to me like the content itself will continue to be available in a compressed format on the FTP site. If that is correct, can you please update the form? I also understand that the literature underlying the database will continue to be available, but I don't believe we will do anything special to provide access to that literature, right?
>
> Thanks,
> Jerry
>
> ---
> **From:** Chang, Florence (NIH/NLM) [E]
> **Sent:** Tuesday, February 19, 2019 9:55 AM
> **To:** Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
> **Cc:** Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
> **Subject:** Status of SIS sunset requests
>
> Jerry,
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Thanks!

Florence

<FORM REQUEST to sunset CPDBrev.docx>

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 5 Mar 2019 17:50:49 +0000
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: Status of SIS sunset requests

Great – can you include that in the plan.

Thanks
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:34 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Re: Status of SIS sunset requests

Jerry,

Thanks for the feedback on TOXMAP sunset plan. We will post information on the home page now to direct users to the sources such as EPA.

It will be posted for the next 6 months. I think it is ample time before the planned sunset date.

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:17 PM
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E]; Nurik, Jody (NIH/NLM) [E]
Subject: RE: Status of SIS sunset requests

Florence,
I'm OK with sunsetting TOXMAP. One item to clarify on the form. Will we post information on the NLM (Toxmap) website directing users to the EPA and other sources of the underlying information. I'd suggest we do so during some transition time.

Thanks
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, February 19, 2019 9:55 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Status of SIS sunset requests

Jerry,

You approved sunset plan for CHIRR, ToxMystery, and GeneEd. We are working on Letter of Agreement with Society of Toxicology for them to take the archived version of ToxLearn. There are two remaining ones, ToxMap, and CPDB. We provided additional information and revised sunset plan, attached with this email. There will be two more plans, one for Arctic Health, and another one for American Indian Health, ready for you to review. Let us know if you want to wait for the new sunset system to go live to process these two new ones.

Thanks!

Florence

Sent: 6 Mar 2019 17:14:31 +0000
To: Ostell, Jim (NIH/NLM/NCBI) [E];Gillikin, David (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E]
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E]
Subject: RE: chem/tox working group

Glad to see

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 6, 2019 11:10 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: chem/tox working group

Thanks David. That will be the base of our mutual roadmap, and will help a lot.

Jim

From: Gillikin, David (NIH/NLM) [E]
Sent: Wednesday, March 6, 2019 11:08 AM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: chem/tox working group

Yes I can develop the list, after all the working group is going to need it anyway.
David

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 6, 2019 10:55 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: chem/tox working group

Yes, I agree.. But I still think it will help us to be explicit about this just to avoid confusion.

Would you be willing to prepare a list of the SIS offerings so we can all work off the same list?

While we all need to discuss what we think the state of each one is, if you think you can tell from Wiki or whatever, as a bonus it would help if you could also add the decision, as far as you can tell, on ones where it seems a decision has been made? Again, not expecting perfection on that, but it will help focus discussion.

Jim

From: Gillikin, David (NIH/NLM) [E]
Sent: Wednesday, March 6, 2019 10:42 AM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: chem/tox working group

I talked to Joyce a little more this morning. Based on some info from Florence this week, as well as getting to look at the info in the Toxnet Working Group wiki, I agree that a good deal of work and decision have already been done, and that we should be able to narrow our focus. Probably we could include Evan and Stacy as consultants and get their input as needed.

David

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 6, 2019 10:02 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: chem/tox working group

Hi Folks,

I added Kim to this, to keep her in the loop.

We agree, of course, that we want an organized way to work through the SIS resources. However, we have some concerns, at least the way we read this proposed charter..

1. I don't think we can spare Evan and Stacy for 1-2 days a week. They have a lot on their plates, and the ToxNet stuff is actually a small part of it.
2. I "think" we have already made some decisions about a number of the SIS resources, and have consolidated more over the course of this year. If we are not repeating all that, I think we should be clear, and perhaps map out what is really left to decide on. There is a long tail of smaller projects we left hanging, but if that's mainly what we are talking about it seems a smaller task.. but also dependent somewhat on (3).
3. As I mentioned, with the benefit of experience now, Stacy and Evan are putting together some new proposals for the dataflows for the projects we already decided were moving to NCBI. This significantly affects how we might do the curation side for those. Evan is supposed to have his side documented by Monday, and Stacy already has hers, so I would suggest we look at those and discuss them first, in case that may affect some parts of the scope of this charter as well.
4. Finally, I think the disaster literature group may also cover some of this, so we'd want to take that into account as well.

I know this is a lot of moving targets, but it comes with the territory on a change as big as this.

Perhaps on your side you might explicitly list the Chem/Tox NPA offerings you want this charter to cover.

Next week, when we have the other dataflow proposals, we could all meet and map offerings to proposals and see what's left and how we want to handle those?

Jim

From: Backus, Joyce (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 5:26 PM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: chem/tox working group

Jim, Florence,
In reviewing the NPA offerings, especially those from SIS, we can see we need to review in several areas. We've just started a disaster literature group (Jim, Jeff put himself and Stacy Lathrop on it today in the quarterly literature meeting)
Others that will be needed include chem/tox databanks, drug/pharma information, consumer health and maybe others.

I propose we sponsor the attached charter to get chem/tox off the ground now. David Gillikin has agreed to chair. I expect his division will be responsible for the functions of content management for databank-type information we decide to maintain from sources such as ChemIDPlus and HSDB.

Looking for your recommendations on any changes, especially membership, but send any changes to the charter you recommend.

Joyce

From: Backus, Joyce (NIH/NLM) [E]
Sent: 6 Mar 2019 21:19:39 +0000
To: Ostell, Jim (NIH/NLM/NCBI) [E]
Subject: RE: chem/tox working group

Darn. So much more interesting to communicate before you have a plan.

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 6, 2019 2:12 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: chem/tox working group

Yes.. but let's first flesh out our plan.. then communicate it ☺

Jim

From: Chang, Florence (NIH/NLM) [E]
Sent: Wednesday, March 6, 2019 12:41 PM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>
Cc: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: Re: chem/tox working group

We will need a lot of help with the communication plan!

Sent from my iPhone

On Mar 6, 2019, at 12:30 PM, Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov> wrote:

> I agree on both points.
>
> Jim
>
> ---
>
> **From:** Backus, Joyce (NIH/NLM) [E]
> **Sent:** Wednesday, March 6, 2019 12:21 PM
> **To:** Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
> **Cc:** Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
> **Subject:** RE: chem/tox working group
>
> Glad to see this conversation is going well. This is just the kind of discussion and conclusion for next steps that I think make sense given all the moving parts and the work that has already taken place.

In all of this work, I don't believe there has been much done towards a public communications plan – is that right or did I miss it? I think creating a communications plan to our stakeholders, once we have a roadmap we're comfortable with, would be a key step. Should probably involve Jody and Amanda for the Network when that time comes.

Joyce

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 6, 2019 11:10 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: chem/tox working group

Thanks David. That will be the base of our mutual roadmap, and will help a lot.

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To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
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Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: chem/tox working group

I talked to Joyce a little more this morning. Based on some info from Florence this week, as well as getting to look at the info in the Toxnet Working Group wiki, I agree that a good deal of work and decision have already been done, and that we should be able to narrow our focus. Probably we could include Evan and Stacy as consultants and get their input as needed.

David

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 6, 2019 10:02 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: chem/tox working group

Hi Folks,

I added Kim to this, to keep her in the loop.

We agree, of course, that we want an organized way to work through the SIS resources. However, we have some concerns, at least the way we read this proposed charter..

1. I don't think we can spare Evan and Stacy for 1-2 days a week. They have a lot on their plates, and the ToxNet stuff is actually a small part of it.
2. I "think" we have already made some decisions about a number of the SIS resources, and have consolidated more over the course of this year. If we are not repeating all that, I think we should be clear, and perhaps map out what is really left to decide on. There is a long tail of smaller projects we left hanging, but if that's mainly what we are talking about it seems a smaller task.. but also dependent somewhat on (3).
3. As I mentioned, with the benefit of experience now, Stacy and Evan are putting together some new proposals for the dataflows for the projects we already decided were moving to NCBI. This significantly affects how we might do the curation side for those. Evan is supposed to have his side documented by Monday, and Stacy already has hers, so I would suggest we look at those and discuss them first, in case that may affect some parts of the scope of this charter as well.
4. Finally, I think the disaster literature group may also cover some of this, so we'd want to take that into account as well.

I know this is a lot of moving targets, but it comes with the territory on a change as big as this.

Perhaps on your side you might explicitly list the Chem/Tox NPA offerings you want this charter to cover.

Next week, when we have the other dataflow proposals, we could all meet and map offerings to proposals and see what's left and how we want to handle those?

Jim

From: Backus, Joyce (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 5:26 PM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: chem/tox working group

Jim, Florence,
In reviewing the NPA offerings, especially those from SIS, we can see we need to review in several areas.
We've just started a disaster literature group (Jim, Jeff put himself and Stacy Lathrop on it today in the quarterly literature meeting)
Others that will be needed include chem/tox databanks, drug/pharma information, consumer health and maybe others.

I propose we sponsor the attached charter to get chem/tox off the ground now. David Gillikin has agreed to chair. I expect his division will be responsible for the functions of content management for databank-type information we decide to maintain from sources such as ChemIDPlus and HSDB.

Looking for your recommendations on any changes, especially membership, but send any changes to the charter you recommend.

Joyce

From: Huerta, Mike (NIH/NLM) [E]
Sent: 11 Mar 2019 03:45:12 +0000
To: Chang, Florence (NIH/NLM) [E]
Subject: Re: NPA Tool Team Members and Progress on Tracking Progress

Great - thanks

From: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>
Date: Sunday, March 10, 2019 at 10:45:01 PM
To: "Huerta, Mike (NIH/NLM) [E]" <mike.huerta@nih.gov>
Subject: Re: NPA Tool Team Members and Progress on Tracking Progress

Mike,

I will be the point of contact for
1.4a TOXNet platform migration

Thanks!

Florence

From: Huerta, Mike (NIH/NLM) [E]
Sent: Wednesday, March 6, 2019 3:31:58 PM
To: NLM Leadership
Subject: NPA Tool Team Members and Progress on Tracking Progress

Hi all – Just a reminder to let me know by COB Friday who from your respective units will participate on the NPA Tool Team (see attached email).

Also, I hope to hear about your timelines for the items asked for in the attached email on tracking progress either briefly at leadership meeting tomorrow or via email. Thanks - Mike

Michael F. Huerta, Ph.D.
Director
Office of Strategic Initiatives
Associate Director
National Library of Medicine
National Institutes of Health
301-827-6451

From: Huerta, Mike (NIH/NLM) [E]
Sent: 11 Mar 2019 14:07:00 +0000
To: Ostell, Jim (NIH/NLM/NCBI) [E]
Cc: D'Souza, Ivor (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E]
Subject: RE: Strategic Plan Goals

Thanks, all – Mike

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Monday, March 11, 2019 9:36 AM
To: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Cc: D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: Strategic Plan Goals

Mike,

Those on the cc line and I discussed some strategic goal POC roles and concluded the following:

1.1b - MEDLINE 2022 – Joyce Backus

1.1c - Portfolio – Jim Ostell
1.4b - IT Assesment – Ivor D'Souza

1.4a - ToxNet Platform migration – Florence Chang

Jim

From: Huerta, Mike (NIH/NLM) [E]
Sent: 11 Mar 2019 19:20:12 +0000
To: Federer, Lisa (NIH/NLM) [E]
Subject: FW: Strategic Plan Goals

Lisa – For the ESM task – please see leadership assignments from Jim below

---

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Monday, March 11, 2019 9:36 AM
To: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Cc: D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: Strategic Plan Goals

Mike,

Those on the cc line and I discussed some strategic goal POC roles and concluded the following:

1.1b - MEDLINE 2022 – Joyce Backus

1.1c - Portfolio – Jim Ostell
1.4b - IT Assesment – Ivor D'Souza

1.4a - ToxNet Platform migration – Florence Chang

Jim

From: Chang, Florence (NIH/NLM) [E]
Sent: 13 Mar 2019 14:51:09 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: Status of SIS sunset requests
Attachments: FORM REQUEST TO RETIRE NLM TOXMAP March2019rev.docx, FORM REQUEST to sunset CPDBrev.docx

Jerry,

Please find the 2 attached revisions of the TOXMAP and CPDB sunset plans. The additional explanations in sections are highlighted in yellow. If you are OK with the revisions, we will start implementing the sunset protocols for these 2 resources.

Going forward, we will submit new sunset plans through the new web interface.

Thanks!

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:51 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Status of SIS sunset requests

Great – can you include that in the plan.

Thanks
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:34 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Re: Status of SIS sunset requests

Jerry,

Thanks for the feedback on TOXMAP sunset plan. We will post information on the home page now to direct users to the sources such as EPA.

It will be posted for the next 6 months. I think it is ample time before the planned sunset date.

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:17 PM
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E]; Nurik, Jody (NIH/NLM) [E]
Subject: RE: Status of SIS sunset requests

Florence,
I'm OK with sunsetting TOXMAP. One item to clarify on the form. Will we post information on the NLM (Toxmap) website directing users to the EPA and other sources of the underlying information. I'd suggest we do so during some transition time.

Thanks
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, February 19, 2019 9:55 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Status of SIS sunset requests

Jerry,

You approved sunset plan for CHIRR, ToxMystery, and GeneEd. We are working on Letter of Agreement with Society of Toxicology for them to take the archived version of ToxLearn. There are two remaining ones, ToxMap, and CPDB. We provided additional information and revised sunset plan, attached with this email. There will be two more plans, one for Arctic Health, and another one for American Indian Health, ready for you to review. Let us know if you want to wait for the new sunset system to go live to process these two new ones.

Thanks!

Florence

REQUEST TO RETIRE NLM TOXMAP

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) The US EPA now produces several GIS products and visualization applications (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality, except the ability to search TOXNET from within the GIS tools. This was a unique feature in TOXMAP-classic, which was retired due to the obsolete technology platform. The new version of TOXMAP does not have this feature either. To make the new TOXMAP to have this feature will require major investment in software development. We cannot justify the effort because the usage of this feature was very low, averaging about 400 searches a year.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Initial Here Date

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff. Identify who needs to be informed? (staff, contractors) SIS staff, NLM staff, NNLM staff and core set of dedicated users from the Public Health and Toxicology Communities.

1. Determine questions that may need to be addressed. These may include:
   What information needs to be provided? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now

provides several GIS products that provide similar GIS functionality of TOXMAP.

- When will the information be provided? **End of FY2019**
- By what method(s) will information be provided? Example: Email to all NLM staff Email, GovD posts, announcement on TOXMAP web site
- If multiple messages are to be sent, by what method(s) and with what frequency? Over a three-month period.
- Are there any potential areas for misunderstanding or concern? None except that core users of TOXMAP will not have a comparable resource available.

2. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now provides several GIS products that provide similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) US EPA GIS applications and TRI applications; possibly NLM TOXNET TRI
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS.
    - What staff will be involved in this transition? Colette Hochstein
3. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☐ Information delivered at staff meetings
    - ☐ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☐ Other (Explain) Enter other mechanism(s)
4. Develop and attach a set of Talking Points for the NLM Director TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program. It will be retired at the end of FY2019. It no longer aligns with NLM priorities and because the US EPA now provides several GIS products that provide similar GIS functionality.
5. Does the NIH Director or other IC Directors need to be informed? No

    If Yes, check all that apply:

    ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☒ Other (Please elaborate) SIS has worked for many years with the US EPA regarding the data and functionality of TOXMAP. Their staff should be informed of its status.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other original sources. GIS application users can access them by overlaying the data in their GIS applications. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other sources. GIS application users can access them by overlaying the data to the maps. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

- How can I or how can my group be involved in this transition? Provide related information as needed.

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Colette Hochstein, Florence Chang

☐ Due date 9/30/2019

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? It has been determined that TOXMAP no longer aligns with NLM priorities and The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
   - When will the information be provided? Starting Summer 2019)
   - With what frequency? Monthly
   - Are there potential areas for misunderstanding or concern? Probably not.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI. Links to direct users to these external data sources will be provided on the TOXMAP home page for 6 months prior to the sunset.
   - How will NLM respond to questions and comments? Staff will respond to questions received through customer service emails
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Name	Colette Hochstein, Florence Chang

REQUEST TO RETIRE CARCINOGENIC POTENCY DATABASE (CPDB)

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☒ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☒ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☐ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☒ Other (Please explain) The Carcinogenic Potency Database (CPDB) is an archival database with low and decreasing usage. It provides historical information from the years 1980 - 2011. It is no longer updated. It was created at the University of California, Berkeley, and when they no longer wanted to maintain access to it after it was no longer being built, they asked us to take it. CPDB reports analyses of animal cancer tests on 1547 chemicals. CPDB includes 6540 chronic, long-term animal cancer tests, both positive and negative for carcinogenicity, from the general published literature as well as the National Cancer Institute and the National Toxicology Program (NTP). Such tests were used in support of cancer risk assessments for humans. CPDB was developed by the Carcinogenic Potency Project at the University of California, Berkeley and the Lawrence Berkeley National Laboratory. The usage of CPDB has consistently dropped over the past years to 0.007% of TOXNET usage in FY2018. Of TOXNET's 27,582,034 page views in FY2018, only 1930 page views were for CPDB.

II. **Approval.** This form must be signed by:

- **NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD)** HFC 11/27/2018

X

Hua Florence Chang
Acting Associate Director, SIS

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  - NLM Director Initial Here Date
  - NLM Deputy Director Initial Here Date
  - NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Staff are aware of the plan. Additional groups include NNCO, NNLM, and toxicology community via our listserv.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? That the CPDB was a resource taken from the University of Berkeley after they stopped supporting it and wanted an archival home for a few years.
    - When will the information be provided? 5/31/2019
    - By what method(s) will information be provided? Example: Email to all NLM staff Post on database web pages, and send to OCPL for distribution.)
    - If multiple messages are to be sent, by what method(s) and with what frequency? One round
    - Are there any potential areas for misunderstanding or concern? none
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? The way it was created at Berkeley does not lend itself to conversion to Bookshelf resource where some TOXNET databases are going. It has not been updated for many years.)
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) The evaluated and annotated content, currently searchable on TOXNET, will no longer be available on TOXNET. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site. The citations of referenced literatures are available on PubMed.
    - What will happen to the staff working on the product or service? No staff resources used now
    - What staff will be involved in this transition? Florence Chang, Phil Thomas
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☒ Information delivered at staff meetings
    - ☐ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☒ Other (Explain) listserv

5. Develop and attach a set of Talking Points for the NLM Director Resource was a labor intense one developed by Berkeley staff and when it was terminated we were asked to house the file. Given the move of TOXNET databases to NCBI, this resource is not in a format that can be converted to run there.
6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☐ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? Cannot be converted to new format for TOXNET move to NCBI.
   - What content, if any, will still be available and, if so, why and where? None other than journal literature on which it is based is still available.
   - What will happen to the staff working on the product or service? No staff work on this other than routine IT deployment /support issues .

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? Cannot be converted to new format for TOXNET move to NCBI.) Will be taken down from TOXNET end May 2019
   - What content, if any, will still be available and, if so, why and where? None other than journal literature on which it is based is still available. The archived content will be made available in compressed format on NLM FTP server.
   - What will happen to the staff working on the product or service? No staff
   - How can I or how can my group be involved in this transition? Enter possible support option(s)

3. Identify what needs to be completed:

   ☐ Deliverables Specify

   ☒ Responsible party or parties for the sunsetting process TOXNET IT

   ☒ Due date 5/31/20195/31/2019

   Identification of communication channels. These could include (Check all that apply):

   ☒ emails to stakeholders and users

   ☐ signage

☒ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? Sunset of CPDB
   - When will the information be provided? Starting after approval
   - With what frequency? Enter frequency
   - Are there potential areas for misunderstanding or concern? no
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? Not available in its current format. The archived content will be made available in compressed format on NLM FTP server.
   - How will NLM respond to questions and comments? Email via customer service system
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Jeanne Gosohorn Jeanne.goshorn@nih.hhs.govJeanne.goshorn@nih.hhs.gov

From: Huerta, Mike (NIH/NLM) [E]
Sent: 13 Mar 2019 20:28:30 +0000
To: NLMImpCouncil
Cc: Zaringhalam, Maryam (NIH/OD) [E]
Subject: NLM SP ImpCncl
Attachments: NLM Divisions at a Glance v5.docx, NLM SP ImpCncl Notes 2019-03-07v2.docx

Hi all – Attached are the minutes of our last meeting and the document we discussed at the meeting that briefly describes NLM organization units. Please have a look at both and remember that for the latter document, we sought to provide readers with a sense of what the various units do, we did not try to comprehensively describe them.

It would be great if you could send your comments to me and Maryam (cced) by COB Thursday, March 21 (if you need more time, please let us know). Thanks much - Mike

Michael F. Huerta, Ph.D.
Director
Office of Strategic Initiatives
Associate Director
National Library of Medicine
National Institutes of Health
301-827-6451

NLM Divisions at a Glance

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Office of the Director (OD)

OFFICE OF STRATEGIC INITIATIVES (OSI)

The Office of Strategic Initiatives (OSI) serves as principal advisor to the NLM Director for matters and programs concerning strategic directions of NLM, including data science and open science, as well as analysis, evaluation, and reporting of and on NLM programs and activities. OSI staff lead development of episodic strategic plans and coordinates their implementation and evaluation, serving as the NLM lead for programmatic evaluation and formal reporting. Additionally, OSI develops, communicates, and coordinates, plans for trans-NLM and NIH data science and open science initiatives, activities, and interests. OSI also coordinates technology transfer for NLM and supports NLM policy development and legislative tracking. In addition, OSI manages and oversees NLM's international programs.

OFFICE OF COMMUNICATIONS & PUBLIC LIAISON (OCPL)

The Office of Communications & Public Liaison (OCPL) is a point of contact for a variety of information about NLM programs in written, electronic, and graphic forms. OCPL staff answer requests for information about the NLM, create brochures and fact sheets, printing procurements, coordinate publicity for NLM events, and arrange tours.

AUDIOVISUAL PROGRAM DEVELOPMENT BRANCH (APDB)

The Audiovisual Program Development Branch (APDB) is housed within OCPL and conducts media development for LHNCBC's research, development, and demonstration projects; provides consultation and materials development for NLM information programs; and engineers technical improvements for media production. Staff provide high quality video, audio, imaging, and graphics materials for LHNCBC's research and demonstration projects, often collaborating on initial project conception, implementation, and final evaluation.

OFFICE OF ADMINISTRATION (OA)

The Office of Administration (OA) houses the Office of Acquisitions, which awards NLM's effective contracts and oversees acquisitions. OA also encompasses the Executive Office, the Office of Administrative Management Services, and the Office of Financial Management.

Division of Extramural Programs (EP)

The Division of Extramural Programs (EP) offers grants for research projects, research training, and career development in biomedical informatics and data science. In addition, EP runs a special collaborative program with other NIH ICs to support bringing informationists (e.g., librarians and other information specialists) into NIH-funded research teams to enhance data management and sharing.

Grants are also made to U.S. small businesses to support informatics research and development that may lead to commercialization. EP also has two unique programs to support resource projects in the history and philosophy of medicine and public health and for developing information resources to help reduce health disparities. All active grant programs of NLM, lists of recent awardees, and contact information for grant staff are provided at nlm.nih.gov/ep.

Division of Library Operations (LO)

The Division of Library Operations (LO) ensures access to biomedical and health sciences literature, while supporting NLM's outreach activities to range of stakeholders—from the biomedical research community to clinicians to librarians to the general public. LO's activities include curation, preservation, and dissemination of NLM's collection of literature; developing and disseminating vocabularies and a library classification scheme; conducting research related to current operations, products, and services; training and recruiting health sciences librarians; producing historical exhibitions; and conducting in the history of medicine. LO also coordinates the National Network of Libraries of Medicine to equalize access to health information across the United States.

BIBLIOGRAPHIC SERVICES DIVISION (BSD)

The Bibliographic Services Division (BSD) is responsible for the creation and maintenance of MEDLINE®, the NLM's citation database for biomedical literature references that fosters expanded access of health information to researchers, health professionals, and the general public. BSD divided into the Office of the Chief and two sections: the Index Section and the MEDLARS Management Section (MMS).

THE OFFICE OF THE CHIEF

The Office of the Chief interacts with publishers and editors of biomedical journals and assists the Literature Selection Technical Review Committee in their review of journals for inclusion in MEDLINE. They also produce and manage drug information found in DailyMed and RxNorm.

INDEX SECTION

The Index Section creates and maintains the MEDLINE database of articles from biomedical research journals and coordinates the data review, indexing, and commentary content. Index Section staff also undertake research to generate more efficient forms of indexing and metadata application, as well as maintain the Medical Subject Headings (MeSH) vocabulary, which describe the content of a given citation in the biomedical research literature.

MEDLARS MANAGEMENT SECTION (MMS)

The MEDLARS Management Section coordinates the development and management activities for terminology products (e.g., UMLS, VSAC, and SNOMED CT) and provides training and outreach services to librarians for NLM's projects and services, including providing support for the Linkout for Libraries program to link PubMed citations to a given library's online holdings.

HISTORY OF MEDICINE DIVISION (HMD)

The History of Medicine Division collects, preserves, makes available, and interprets for diverse audiences one of the world's richest collections of historical material related to health and disease. HMD makes its collection available through a number of formats including its Exhibition Program, illustrated books, a blog, and the NLM Digital Collections.

EXHIBITION PROGRAM

The Exhibition Program creates lively and informative exhibitions and educational resources that enhance awareness of and appreciation for NLM's collections. Staff provide traveling banner exhibitions free of charge to public, university, and medical libraries, as well as cultural centers across the country. The Program's permanent online exhibitions act as educational resources to aid librarians and exhibition audiences in connecting to NLM's collection and health information resources.

RARE BOOKS AND EARLY MANUSCRIPTS PROGRAM

The Rare Books and Early Manuscripts Program collects, preserves, and makes NLM'S historical collection available to researchers and the public through a wide array of printed monographs, serials, and manuscript texts dating from the eleventh century. The historical collection includes more than 600,000 printed works, covering every area of the history of medicine and health sciences in the United States and Europe, as well as substantial collections of Latin American and Asian publications.

IMAGES & ARCHIVES SECTION

The Images and Archives Section has four archival areas: (1) the Archives and Modern Manuscripts Collection consists of personal papers and organizational records documenting predominantly American medical practitioners, biomedical scientists, health policy planners, and medical societies from about 1850 to the present; (2) the Historic Audio Visuals Collection is a principal repository for biomedical moving images in the U.S. and around the world; (3) the Prints and Photographs collection includes portraits, photographs, caricatures, genre scenes, posters, and graphic art illustrating the social and historical aspects of medicine; (4) the Digital Manuscripts Program manages Profiles in Science making the archival collections of leaders in biomedical research and public health available on its Profiles in Science® web site.

NATIONAL INFORMATION CENTER ON HEALTH SERVICES RESEARCH (NICHSR)

NICHSR works to improve the collection, storage, analysis, retrieval, and dissemination of information on health services research, clinical practice guidelines, and on health care technology, including the assessment of such technology. The Center also collaborates with other NLM divisions and members of the National Network of Libraries of Medicine to exhibit NLM products and services, as well as providing training opportunities for medical librarians to improve their ability to support health services research.

NATIONAL NETWORK OF LIBRARIES OF MEDICINE (NNLM)

The National Network of Libraries of Medicine (NNLM) works to advance the progress of medicine and improve public health by providing U.S. health professionals with equal access to biomedical and health information. The Network is comprised of over 7,000 organizations throughout the country, including academic health sciences libraries, public and community college libraries, as well as community information centers and other organizations. NNLM offers funding for projects that improve access to health information, increase engagement with research and data, expand professional knowledge, and support outreach that promotes awareness and use of NLM resources in local communities.

PUBLIC SERVICES DIVISION

The Public Services Division (PSD) is responsible for providing access to, maintaining, digitizing, and preserving print and nonprint material in the NLM collection. PSD staff develop and maintain MedlinePlus and MedlinePlus Connect, which are consumer health information resources available on the NLM website.

COLLECTION ACCESS SECTION

The Collection Access Section provides patrons with access to the library's collection through the library's reading room and interlibrary loan system. The section also manages DOCLINE®, NLM's automated interlibrary loan request, routing, and referral system for sending and receiving document requests.

PRESERVATION AND COLLECTION MANAGEMENT SECTION

The Preservation and Collection Management Section works to extend the life of and expand access to NLM's collections through an active binding, digitization, and preservation program. Digitized titles are available online via NLM's Digital Collections. The section also digitizes backfiles of biomedical journal literature, which are made freely available online in PubMed Central (PMC).

REFERENCE AND WEB SERVICES

The Reference and Web Services Section helps to meet the biomedical information needs of U.S. health professionals, scientists, health sciences librarians, and the public, through both online and onsite support. Staff also maintain the NLM website, advise medical librarians in the United States, and create and maintain selected Topic-Specific Queries. The Section also manages MedlinePlus and MedlinePlus Connect, which links health IT systems, patient portals, and electronic health record (EHR) systems to relevant, authoritative patient health information from MedlinePlus.gov.

TECHNICAL SERVICES DIVISION (TSD)

The Technical Services Division is responsible for building and organizing the modern collection of biomedical literature and other resources in support of research, health care, and the community of health sciences libraries. The division coordinates the Library's collection development guidelines and administers the library systems used to support the selection, acquisitions, cataloging and preservation of the NLM collection. TSD participates in national and international bibliographic control programs and standards development, including the new library standard, BIBFRAME.

OFFICE OF THE CHIEF

In addition to focusing on Division-wide planning, administration, and evaluation, the Office of the Chief periodically reviews and revises the Collection Development Manual of the NLM to ensure it reflects the ever evolving fields of healthcare, biomedical research, and new standards.

COLLECTION DEVELOPMENT AND ACQUISITIONS SECTION

The Collection Development and Acquisitions Section builds the NLM modern biomedical literature collection, including print and electronic resources and other digital content. Staff also assist in the selection of materials to digitize from the NLM collection, content for PubMed Central and the Bookshelf, foreign language support for MedlinePlus, and the Literature Selection Technical Review Committee (LSTRC).

CATALOGING AND METADATA MANAGEMENT SECTION

The Cataloging and Metadata Management Section reviews and develops cataloging policies. The Section creates and maintains the bibliographic records resident in NLM's public access catalogs, LocatorPlus and the NLM Catalog. Staff also maintain and develop the NLM Classification, a scheme for the shelf arrangement of medical literature in libraries.

LIBRARY TECHNOLOGY SERVICES SECTION

The Library Technology Services Section manages the bibliographic and digital library systems used to support the Division's collection development, electronic resources management, and cataloging operations, as well as coordinating the maintenance, development, testing, training, and

documentation for numerous NLM systems. The Section leads the development of NLM's repository, Digital Collections.

Division of Specialized Information Services (SIS)

The Division of Specialized Information Services creates information resources and services covering toxicology, environmental health, HIV/AIDS, outreach to underserved and special populations, HIV/AIDS, drugs and dietary supplements, household products, and disaster/emergency preparedness and response.

TOXICOLOGY AND ENVIRONMENTAL HEALTH INFORMATION PROGRAM (TEHIP)

The SIS Toxicology and Environmental Health Information Program produces an integrated database, TOXNET, with information on hazardous chemicals, toxic releases and environmental health. The Program produces several products to relay information related to toxicology and environmental health to the public, including TOXMAP®, Haz-Map®, Tox Town®, and the Household Products Database. TEHIP has also produced games to engage students in learning about environmental health concerns.

OUTREACH AND SPECIAL POPULATIONS BRANCH (OSPB)

The Outreach and Special Populations Branch (OSPB)manages and develops programs to eliminate disparities in health information access by providing community outreach support, training health professionals on NLM's health information databases, and designing websites that discuss the concerns of various racial and ethnic groups. These programs reach health professionals, public health workers and the general public, especially about health issues that disproportionately impact minorities such as environmental exposures and HIV/AIDS. OSPB also has a growing program to reach K-12 teachers and students, including the Environmental Health Student Portal and GeneEd.

DISASTER INFORMATION MANAGEMENT RESEARCH CENTER (DIMRC)

The Disaster Information Management Research Center (DIMRC) develops and provides access to health information resources and technology for disaster and public health emergency preparedness, response, and recovery. DIMRC focuses on maintaining access to health information at all phases of disasters and public health emergencies, developing innovative products and services for emergency personnel, conducting research to support disaster health information management, and collaborating with other agencies and communities.

OFFICE OF CLINICAL TOXICOLOGY

The Office of Clinical Toxicology (OCT) develops new resources and enhances existing NLM resources for professionals in toxicology and related fields.

Lister Hill National Center for Biomedical Communications (LHNCBC)

The Lister Hill Center for Biomedical Communications (LHNCBC) develops advanced information resources and software tools for biomedical research used by health IT professionals, health care providers, and consumers. LHNCBC also leads the development, enhancement, and adoption of clinical vocabulary standards to facilitate interoperability between producers and receivers of health care data, as well as developing many projects related to Natural Language Processing and biomedical terminologies. The Center also provides training opportunities through the Biomedical Informatics Training Program.

COGNITIVE SCIENCE BRANCH (CGSB)

The Cognitive Science Branch (CgSB) applies linguistic, statistical, and knowledge-based research and development in the investigation of techniques for improving access to biomedical information. Additionally, Branch members actively participate in developing and maintaining the Unified Medical Language System and collaborate with research staff to develop automated and semi-automated techniques for indexing biomedical literature.

COMMUNICATIONS ENGINEERING BRANCH (CEB)

The Communications Engineering Branch (CEB) conducts research and development in a range of areas, with an emphasis on image engineering, such as image processing, compression and enhancement, as well as text and data mining using machine learning and natural language processing techniques. Research is directed towards a range of applications, including cancer research, document delivery, digital preservation, and automated ways of building resources such as MEDLINE.

COMPUTER SCIENCE BRANCH (CSB)

The Computer Science Branch (CSB) applies techniques of computer science and information science to problems in the representation, retrieval, and manipulation of biomedical knowledge. CSB projects involve both basic and applied research, including development of clinical vocabulary standards and terminologies and deriving discoveries from clinical data.

National Center for Biotechnology Information (NCBI)

The National Center for Biotechnology Information (NCBI) creates and maintains over 40 databases for the medical and scientific communities, as well as the general public, including literature, molecular, and genomic databases, such as PubMed, GenBank, and dbGaP. NCBI also has a multi-disciplinary research group composed of molecular biologists, biochemists, computer scientists,

mathematicians, research physicians, and structural biologists concentrating on basic and applied research in computational molecular biology.

COMPUTATIONAL BIOLOGY BRANCH (CBB)

Research in the NCBI Computational Biology Branch (CBB) focuses on theoretical, analytical, and applied computational approaches to a broad range of fundamental problems in molecular biology and medicine. The expertise of the group is concentrated in sequence analysis, protein structure/function analysis, chemical informatics, and genome analysis. Research interests further cover a wide range of topics in computational biology and information science.

INFORMATION ENGINEERING BRANCH (IEB)

The Information Engineer Branch (IEB) performs applied research in data representation and analysis, including the development of computer-based systems for the storage, management, and retrieval of knowledge relating to molecular biology, genetics, and biochemistry. IEB also coordinates public access to these information resources by building curated and integrated databases. Staff share their expertise by consulting with and advising other governmental agencies and research laboratories on advanced methods of software and database design.

INFORMATION RESOURCES BRANCH (IRB)

The Information Resources Branch (IRB) plans, directs, and manages the technical operations of NCBI, including the computer systems used for internal research and development, as well as systems used to access public databases. IRB staff also organize educational demonstrations and workshops for the external biomedical community to promote use of NCBI's resources. IRB also plans, develops, and manages contracts and cooperative agreements to procure equipment and services in support of NCBI's functions.

Office of Computer and Communication Systems (OCCS)

The Office of Computer & Communications Systems (OCCS) provides information technology services and technical advice to support the research and management programs offered through NLM. OCCS provides customer support, training, and documentation for computer and network users. In addition, OCCS develops standards and guidance for managing and using information technology in accordance with industry best practices and applicable federal government mandates. The director of OCCS serves as NLM's chief information officer.

APPLICATIONS BRANCH

The Applications Branch is composed of two sections. The Online Health Information Support Section oversees the research, development, and implementation of online health information applications, and provides consulting and technical support services to NLM divisions and external organizations. The Library Business Technology Support Section oversees the research, development, and implementation of systems and technologies to support library business and operations.

MEDICAL LANGUAGE BRANCH

The Medical Language Branch develops and maintains software applications, such as the Unified Medical Language System, the RxNorm system, and the Medical Subject Headings system.

SYSTEMS TECHNOLOGY BRANCH

The Systems Technology Branch is composed of four sections. The Systems Services Section plans, evaluates, designs, and maintains computing and storage environments, and ensures the security and reliability of NLM production systems and development environments. The Facilities Management Section designs, operates, and maintains NLM's computing platforms, networking equipment, security apparatuses, storage devices, and backup systems. The Network Engineering Section evaluates, designs, deploys, and maintains networking and data communications technologies, products, and services to meet NLM's internal and external connectivity requirements. The Desktop Services Section evaluates, procures, and deploys personal computing capabilities and services and manages security and access control.

NLM Strategic Plan Implementation Council

Thursday, March 7, 2019 // 4 - 5pm
Conference Room B, Mezzanine, Building 38

Communicating Across NLM — Mike Huerta

- OneNLM — Organizational Summary as Context
    - Put together a summary of different divisions and subdivisions of NLM
        - Maryam Zaringhalam put together a summary document
        - The document will be sent around to Council members after this meeting to ensure accuracy before broader dissemination
    - The document contains brief description of each of NLM's divisions, subdivisions, and sections. The document is just meant to be a quick reference guide, rather than containing comprehensive descriptions of each NLM division and what activities, programs, and projects they're undertaking.
        - Internal reference guide for staff to quickly look up what the different parts of NLM are. This will be especially useful once we start having presentations and talks about more specific projects happening across NLM.
    - **Action Item**: Council members should look at the document, make any corrections of major, glaring errors, and indicate who should be listed as the point of contact for each unit listed in the guide.
        - Once this document is out, Council members can volunteer to start thinking about projects that might be of interest across NLM that could be topics for a OneNLM lecture or discussion series

- Podcasts — With Whom Do We Start?
    - Maryam is currently working on a OneNLM podcast that will interview NLM staff, asking about their day-to-day roles, responsibilities, and projects they're excited about
    - Don't want to start the interviews with leadership; instead, thinking of this as an opportunity to highlight staff whose responsibilities are less obvious, but nevertheless crucial for NLM's operations and mission
        - A Council member also noted that the series shouldn't start with profiles from those featured in NLM in Focus to ensure that new people are covered through the podcast
    - Possible suggestions from Council members for whom to interview first
        - Photographer for MEDLINE Plus
        - People who have hit their multiyear milestones for NLM service (5 years, 10 years, etc.)
        - Someone who works in the Preservation room, who preserves NLM's collection
        - Tara Mowery, Chief of Visitor Operations

        - People who have come to work at NLM through the Associate Fellowship Program, the Pathways Program, internships, as students, etc.
        - Perhaps interview people randomly encountered around NLM - in elevators or by selecting one person from each floor of an NLM building
        - People in the contracts office, indexers, facilities people
    - Jody Nurik noted that in order for this podcast to be externally facing, we'll need to be more intentional about a communications strategy for what the podcast should accomplish, and a plan that ensures fair representation across NLM

- Council Facilitating Machine Learning Community of Practice
    - Machine or deep learning was brought up as a possible topic for creating a community of practice (COP). Want to now think about how the Implementation Council can help facilitate formation of that COP.
        - In general, the Council can be used as the conduit by which NLM staff identifies possible topics and experts across NLM, and then let formed COPs move on their own
        - Can also give them ideas about what a COP can do because there are a lot of different kinds of COPs
            - Can bring in people across NLM who have experience being in a community of practice to participate
        - Can facilitate a conversation with participants about what they would want to get out of a community of practice to match the goals with how the community is set up and structured
    - **Action Item**: Sameer Antani will put together a description of what this machine and/or deep learning group would focus on, what they might do as activities, and what might be accomplished to help people understand why they might want to participate, and will send that to Mike
    - A lot of people interested in deep learning, especially with the emphasis around data science across NLM. There are many disparate groups around the campus and various groups across NLM working on deep learning
        - A COP would promote greater cross-fertilization across NLM
        - Sameer did note, however, that when you have a range of backgrounds, unless there's a real problem to solve, you end up just talking rather than *doing* something

Update on National Academies Study on Forecasting Costs Associated with Open Science — Elizabeth Kittrie and Maryam Zaringhalam

- Elizabeth Kittrie provided an overview of the NASEM Study on Forecasting Costs for Preserving, Archiving, and Promoting Access to Biomedical Data
    - The activity is in support of Objective 1.4 of NLM's Strategic Plan
    - Elizabeth has been serving as task manager, which is a responsibility now being taken over by Maryam as Elizabeth moves on to a position at HRSA
    - More information about the study can be found on the study's page here

- Goals of the study:
    - Develop an econometric model or framework for modelling the long-term cost of data across the lifecycle
    - Develop tools to help us anticipate the future value of investments we make today
    - As biomedical data across the campus continue to grow, how can we forecast what the cost will be so we can better prepare?

- Because NASEM has pulled together an outside committee, we'll have the benefit of getting an independent perspective
    - The committee members come from different domains, not just from biomedical and health research, so we can think about the modeling not just from biomedical perspective; the models are the same, but the data are just different

- Three factors are motivating our interest in the development of an econometric model for understanding future data cost:
    - From the NLM perspective, how does the Library responsibly prepare for NIH-directed data management and sharing policies, when the amount of data that is that is to be managed exceeds resources. We have a unique situation in that we have a national commitment to storing data and to making it available, but we operate under a fixed budget and don't control the volume or data coming to us or usage.
    - For the NIH Community at Large: How do we help NIH understand the cost consequences of decisions it makes around data management? ICs are spending an increasing percentage of their budgets on data management so this is becoming very relevant across NIH
    - For the Greater Research Community: And how do we help individual investigators know as they are planning their studies about downstream costs about the generation, preservation and accessibility of their data

- In terms of the study's objectives, we have asked the Committee to evaluate the following:
    - Factors that should be examined when examining life cycle costs
    - Cost consequences of accessioning and de-accessioning data
    - Whether there are economic factors that can help us to determine the value of data
    - Assumptions that need to be considered in building the models
    - Anticipated technological disruptors that should be consider or would affect models
    - Factors important for the adoption of a forecasting model by researchers/program management staff

- The deliverables of this study will be a consensus report outlining the framework

    - A consensus report is one of the many products of NAS; and what is interesting is that a consensus report is peer-reviewed.
    - We are asking the Committee to apply the model to two case studies relevant to NLM.

- To carry out this study, the committee will hold:
    - Six meetings, which will all be public, including a workshop in July
    - They will also do 10 site visits to understand how data forecasting is done in different industries

- NAS studies are led by volunteer committees of Subject Matter Experts
    - There are 14 members on this Committee – chosen independently by the National Academies.
    - The Committee Chair is David Woo, who is an economist at by training.
    - There is a wide range of expertise including those with backgrounds in decision making, computer science, computational biology, library science, research ethics among other areas. There are several members who are very familiar with the Library such as Alexa McCray, a former director of Lister Hill Center.
    - For more on committee and their backgrounds, the full foster is available on the website.

- The first public meeting of the Committee occurred on Feb 27, and was quite successful
    - The focus of the first meeting was to provide NLM's perspectives on the study, and to help the Committee understand some of the challenges and constraints that we face in our role as a National Library – with a key theme being that we have responsibilities to preserve data, but we do this on a fixed budget with no control over the inputs upstream or the uses of the data downstream.
        - Patti presented the charge and gave a broad overview of NLM's in the data ecosystem
        - Jim Ostell provided an overview of how the data cycle for NCBI resources
        - Susan Gregurick gave an NIH perspective as it relates to the NIH Strategic Plan
        - Kim Pruitt, Dina Paltoo and Ivor D'Souza were part of a panel each providing different perspectives on the challenges and constraints we are facing.
    - We had representatives from many of the ICs in participate in the room or on line

- Next steps
    - The Committee will meet again on March 12-13, and again on May 6-7
    - The public workshop will be held on July 11 and 12, and we'll have more information on that in the coming weeks and months

Round Robin

- MEDLINE Team 6: The group hasn't met recently, but there have been a lot of independent interactions between indexers and the NCBI Gene group in terms of doing some clean up, managing data flow, that ultimately should lead to better annotations on the record on both sides

- The NLM Portfolio Assessment is going forward, and Mike is going to be picking up some activities related to this
    - NLM leadership is very interested in seeing whether and how the NLM Portfolio Assessment tool (NPA) developed by MITRE might be used to monitor, understand, and manage NLM's portfolio offerings (products and services, broadly defined). The tool is at a reasonable prototype stage
    - The problem is that the data from data calls that are in the NPA are not very consistent, so Mike is putting together a group of people across NLM who will help improve the quality and utility of the information in the tool, including
        - Starting with reconsidering offerings in terms of granularity
        - Come up with more solid definitions for terms of interest
        - Identify how to consistently collect data around definitions across NLM
        - Council members should let their divisions know that they will likely see more data calls coming

- Update from Anne Altemus about APDB
    - With respect to the realignment and implementation of the strategic plan, within the next month APDB will be joining with OCPL
    - Hope that the overall NLM communication strategy will be far more beneficial to all of NLM with respect to branding and visual communications

- SIS met today with the new contractor who was hired to do the workforce analysis assessment, who gave an overview of what their first task is
    - Starting interviews with staff in the next couple weeks to identify optimal transition plans
    - A little challenging since some there are still some fine-grain uncertainties

From: Leonard, Mary Ann (NIH/NLM) [E]
Sent: 14 Mar 2019 21:43:35 +0000
To: Brennan, Patti (NIH/NLM) [E]
Subject: IMPT: new NLM products slide
Attachments: NLMProductsServices_update.pptx

Hi, Patti.

Folks recently brought to my attention that the montage slide featuring NLM products and services included some things that had been sunsetted (e.g., PubMed Health).

I have updated the slide to remove any sunsetted offerings, and in other cases, I've updated images to reflect the current look.

Therefore, from this point forward, please use the attached slide in your presentations. If the PowerPoint comes through me, I'll make sure we're using the current version of this slide, but on those occasions when you develop your own slides, I wanted you to have the current content.

Please let me know if you have any questions.

M.A.

Nucleotide BLAST
nucleotide ▶ nucleotide

PubMed

MeSH on Demand

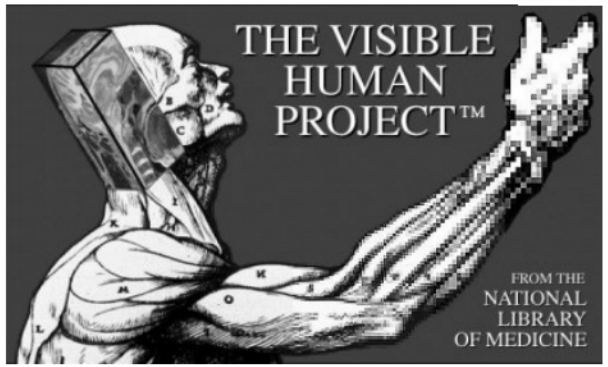
WISER

Search
DRUG INFORMATION PORTAL

Pillbox

ClinicalTrials.gov
A service of the U.S. National Institutes of Health

MedlinePlus
Trusted Health Information for You



MEDLINE

NIH NLM › NNLM

CHEMM

Genetics Home Reference

NIH Manuscript Submission System

PubChem

MTI NLM Medical Text Indexer
Biomedical Literature → MTI MTIFL → MeSH Suggestions

LHNCBC

PubMed labs

LOINC

DAILYMED

VSAC valuesets

TOXNET TOXICOLOGY DATA NETWORK

PubMed Central

OPENi

NLM APIs

GTR
Genetic Testing Registry

ClinVar
Clinically relevant variation

MedGen
Conditions with a genetic component

HISTORY OF MEDICINE

DOCLINE®

db GaP
GENOTYPES and PHENOTYPES

Protein BLAST
protein ▶ protein

NIH U.S. National Library of Medicine

From: Chang, Florence (NIH/NLM) [E]
Sent: 20 Mar 2019 14:41:43 +0000
To: Pruitt, Kim (NIH/NLM/NCBI) [E]
Cc: Ostell, Jim (NIH/NLM/NCBI) [E];Backus, Joyce (NIH/NLM) [E];Bolton, Evan (NIH/NLM/NCBI) [E];D'Souza, Ivor (NIH/NLM) [E];Lathrop, Stacy (NIH/NLM/NCBI) [C];Gillikin, David (NIH/NLM) [E]
Subject: Re: SIS/NCBI proposals

I will do this today. Thanks!

Sent from my iPhone

On Mar 20, 2019, at 10:38 AM, Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov> wrote:

> Florence,
> Thanks for setting this up. I do keep my calendar current. Personal Info
> so we should try to do this soon if you want him in the room.
>
> Kim
>
> **From:** Chang, Florence (NIH/NLM) [E]
> **Sent:** Tuesday, March 19, 2019 11:34 AM
> **To:** Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>
> **Cc:** Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
> **Subject:** Re: SIS/NCBI proposals
>
> I vote for a face to face meeting this or next week.
>
> I can help with setting up the meeting.
>
> Sent from my iPhone
>
> On Mar 19, 2019, at 10:51 AM, Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov> wrote:
>
> > Circling back to this..
> >
> > I think it's important to converge on the specifics and make any modifications to the two documents we sent to reflect the real plan and timing… to ensure we are all on the same page and are clear about which ball is in whose court.

Do we need to meet face to face? Or are there other conversations going on perhaps?

Jim

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Thursday, March 14, 2019 11:11 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

I appreciate that there is overlap in activities, and also that this suggestion includes a number of changes of direction for both specific staff members and also for the existing contracts. I also know a lot is up in the air about the future of MeSH, it's application to retrieval, and the relative roles of machine data extraction and human curation.. so a lot of fluidity around the whole activity. I wouldn't be surprised if a solution that seemed like a good fit last year or this year or next year might seem like a less good fit in three years as all this develops.. so I think LO, NCBI, LHC, OCCS will need to work together on all this in a flexible, collegial, and probably evolving way.

That said, adopting all or parts of these two proposals does mean we need to agree on some decisions about the scope of contract renewals, and the focus of staff member efforts no matter where they sit. So perhaps the next step is to try and get concrete about that, and map out a timeline over the next year with the milestones that we have to meet in order to move in this direction.

My understanding here, so correct me if I'm wrong, is that you like the overall directions in these proposals, and would like to move ahead with implementation generally, and that we are now only discussing specifics like timing, goals, and staff assignments.

Jim

From: Backus, Joyce (NIH/NLM) [E]
Sent: Wednesday, March 13, 2019 5:20 PM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Gillikin, David

(NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Thanks, Jim. We haven't gotten to the decisions for each individual SIS staff member and matching them with the effort needed for the offerings that will continue. The plan is to have the chem/tox expertise in the same unit as the MeSH chemical expertise and drug info as there will be synergies there. We were, of course, intending to support key offerings that we concur need to continue.

I recommend we continue with the plan to move the SIS staff to LO and OCCS and work to ensure the staff and products are sufficiently supported and work together.

Joyce

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 13, 2019 11:43 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

In terms of personnel,

"I do expect that the SIS staff and the SIS content staff and any contractors needed to maintain the information needed going forward will be part of LO, BSD. We'll have to be sure to set up structures to ensure efficient and effective work."

Was certainly the plan developed at the NLM and toward which people have been working the last year.

If those folks, as well as the contract support, will remain in LO, but we will otherwise adopt some of Evan's proposal, then this will, indeed, require regular and careful coordination. That will probably require some face to face discussion, but to start, it might be good to share assumptions. Obviously moving those people into NCBI as Evan suggests, would imply they work 100% on the ToxNet aspects of PubChem. If they remain in LO, would it be under the same assumption of 100% time? If not, then what were your assumptions about the time they would have available for ToxNet aspects of PubChem? That might help set some realistic expectations here.

Jim

From: Backus, Joyce (NIH/NLM) [E]
Sent: Wednesday, March 13, 2019 9:00 AM
To: Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Evan,
Thanks for the quick clarifications on the proposed organizational, software and advisory structure of the document. Clearly a lot to consider as far as cost, meeting the goals of the strategic plan and procurement and government advisory rules and regulations.

I do expect that the SIS staff and the SIS content staff and any contractors needed to maintain the information needed going forward will be part of LO, BSD. We'll have to be sure to set up structures to ensure efficient and effective work.

Joyce

From: Bolton, Evan (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 13, 2019 8:24 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Joyce,

Here are some quick answers to your questions.

Evan

--

Re: Proposed Management Structure
This proposal envisions the five personnel from the SIS HSDB/ChemID teams (including Hakkinen, Goshorn, and Hochstein) would be moved into the NCBI Chemistry Data Service Division as opposed to LO. While not explicitly stated,

a ToxNet line of business would be created therein to house the HSDB and ChemID data generation projects. This would put ChemID/HSDB teams in lockstep with the PubChem teams and provide a very tight organizational integration of the workflows between the three projects.

RE: Phase 2
It is believed that no matter where HSDB/ChemID ends up one or both of the workflow management software packages will need to be 'reimagined'. The proposal would simplify the workflow. If ChemID/HSDB are merged into the NCBI Chemistry, NCBI would build this system as a workflow extension to the existing PubChem Upload system.

Re: SAC vs. SRP
Yes, the SAC replaces the SRP. Essentially, the SRP meets twice a year for three days at a time and peer reviews each added/modified record in HSDB (a very slow process involving a lot of prework prior to a meeting). Instead, the SAC would advise HSDB on the prioritization of data sources and data types that should be added to HSDB and help HSDB perfect the content and form needed to expand the utility and impact of the HSDB content. The SAC would be made up of community representatives/stakeholders knowledgeable in their respective fields and in the content, the workflows and the end-user use cases they represent. It would be organized much like any advisory committee with a chair and members. The SAC is envisioned to meet virtually and in person by collocating at key conferences. The exception to this would be the first SAC meeting where the thought is to have a one day meeting at NIH to complete the transition from the SRP and orient the SAC to get it started/oriented on good footing.

--
Evan Bolton
301-451-1811

From: Backus, Joyce (NIH/NLM) [E]
Sent: Tuesday, March 12, 2019 5:58 PM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Just took a quick scan of these and am already impressed with the time, effort and thoughtful work that went into making these recommendations.

I have a few initial questions that might be answered by email or in a discussion we could schedule later this month.

The HSDB/PubChem/ChemID integration ends with this recommendation, "Proposed Management Structure - Having the three project teams in one organization will be optimal."
Since the SIS staff named, Hakkinen, Goshorn, and Hochstein will be based in Library Operations, is LO the "one organization?" What are the "three project teams" envisioned?

In "Phase 2" a system is discussed. Will NCBI build that system? OCCS?

Does the Scientific Advisory Committee (SAC) replace the Scientific Review Panel (SRP). How would the SAC differ and how would it be organized?

I'm sure I'll have more questions after we review these proposals more thoroughly.

These proposals are a terrific step in providing sustained support for chemical information and publications for Books.

Joyce

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Tuesday, March 12, 2019 4:25 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>
Subject: SIS/NCBI proposals

Joyce, Ivor, Florence,

Attached are two proposals from NCBI about the suggested changes to the ToxNet dataflows for the end state after the transition. My understanding is that the authors, Stacy and Evan, have discussed these with Florence and her team, but I don't think we've really talked about this yet in our bigger group of affected divisions.

I think it's important for all of us to look these over, and see if this looks like a promising and reasonable direction to you all. Obviously there are plenty of details to still be worked out, but we didn't want to spend more time on it unless it looked like the direction you all wanted to go.

Jim

James M. Ostell, Ph.D.
Director
National Center for Biotechnology Information, NLM, NIH
NIH Distinguished Investigator
Bldg 38A, Rm 8N807
8600 Rockville Pike
Bethesda, MD 20894

From: Chang, Florence (NIH/NLM) [E]
Sent: 21 Mar 2019 14:17:02 +0000
To: Goshorn, Jeanne (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E];Ostell, Jim (NIH/NLM/NCBI) [E];Backus, Joyce (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Bolton, Evan (NIH/NLM/NCBI) [E];Lathrop, Stacy (NIH/NLM/NCBI) [C];Pruitt, Kim (NIH/NLM/NCBI) [E];D'Souza, Ivor (NIH/NLM) [E]
Subject: SIS/NCBI proposal discussions
Attachments: ToxNet_Books_Recommendations_03052019.docx, HSDB PubChem ChemID intergration proposal.docx

I hope we can meet in person before Personal Info. I know David Gillikin will not be able to attend. I can fill him in when he returns.

You are welcome to send me agenda items that you'd like to include.

Florence

SIS Full-Text Resources identified for Books

SIS has identified the six resources below as priorities to migrate to Bookshelf. The recommendations modified since February 2018 as well as the status of migrating the content follow:

Resource	Status
AIDSInfo Guidelines	Add pending technical quality of XML sample awaiting from contractors
IRIS	Add pending technical quality of XML directly from EPA – legacy data migrated through PDF conversion using interagency agreement and new and updated content deposited via EPA's own eXtyles configuration
ITER	Add pending legal issues concerning ownership of the content and that ITER can submit directly to Bookshelf using Books Word conversion workflow. NCBI will do a one-time conversion for legacy data, either by XSLT script if we can receive well-formed, valid data or by sending to a vendor. Books is also working directly with TERA collaborators to have them submit their full text toxicological reviews (summarized / compared in ITER) directly to Books as XML. – IARC and NTP currently submitting; ATSDR developing software to submit XML; RIVM exploring how to submit XML directly.
LactMed	Already in production in Books via FTP submission of XML from SIS. If SIS CMS is retired, new and updated files should be submitted directly by NLM-contracted author to Books using Word workflow.
LiverTox	NIDDK has agreed to take on ownership of this content and to submit new and updated files to Bookshelf using Word workflow. NCBI will do a one-time HTML to BITS XML conversion for legacy data. The agreement is currently being discussed so work can begin.
PubMed / PubChem Integration Tasks	**Status**
Provider text extraction of chemical information	Initial discussions with some content providers and tagging vendors about ideal markup of chemical data; ability to implement dependent on content providers and tagging vendor negotiations of level of effort to vendor and costs to content owner, and Books technical review of any resulting XML submissions
Books text extraction of chemical information	Scripting developed for SIS CMS-Books LactMed workflow. Discussions with PubChem about their text extraction and tagging tools
Data indexing in PubMed / PubChem of chemical information	Initial planning discussions for possible implementation starting in summer 2019, dependent on level of effort and developer resources

AIDSInfo Guidelines

This is excellent content and we are in the process of migrating it to Bookshelf. ICF, the contractor responsible for maintaining the SIS site, has provided Books with XML samples. Books has provided structural feedback on these samples that ICF is in the process of addressing.

IRIS

EPA's Integrated Risk Information System publishes assessments of health hazards of chemicals found in the environment as PDFs. SIS is currently copying and pasting the content in these PDFs into their website, with large delays (2 years or more) between the time the assessments are released and updated and the time they are made available or are updated in the TOXNET version of the EPA site. The source data in the TOXNET database is SGML of unusable quality with no DTD included. To address the issue of delay and poor data quality, Bookshelf is in discussions with EPA to directly submit XML for their toxicological reviews. They are working to adapt an eXtyles software configuration to produce BITS XML for their content. We are also discussing a pilot to convert their legacy content from PDF to XML so that there is a target XML sample for the eXtyles software development. To pay for those conversions, we are looking to adapt the current interagency agreement with EPA to process manuscripts to also include this book content. If EPA is unwilling to cover the conversion costs, to migrate the entire collection of 550 assessments by converting from PDF, would be approximately $44,000 (11,000 pages/$4page). I expect it would take 3-6 months to migrate the content using this process, and at least 1 or 2 FTE to QA it over this period. It appears there are 20 assessments under development, so future conversion costs would be roughly $1600 a year (400 pages/$4page) if EPA is unable to develop their own conversion software.

ITER

ITER (International Toxicity Estimates for Risk) is a free Internet database of human health risk values and cancer classifications for over 680 chemicals of environmental concern from multiple organizations worldwide. It is managed by TERA (Toxicology Excellence for Risk Assessment) currently based at the University of Cincinnati. Our scientific reviewer identified some past ethical concerns about TERA regarding legal ownership of the content, that should be fully addressed by NLM and the University of Cincinnati before we accept this content. We also need to address technical and workflow issues before we agree to migrate this content, including an assurance that the content is being regularly maintained and updated, and that we can BITS XML directly from the content owner using the Books Word workflow. If the content owner provides new and updated content via Word, NCBI will do a one-time conversion for legacy data, either by XSLT script if we can receive well-formed, valid data (which will take a technical specialist approximately six weeks or possibly by sending to a vendor if they can convert HTML or text to BITS (~800 records/$4page at $3,600). The current XML generated from the SIS CMS does not meet Books technical standards (including that it does not validate and is not well-formed). In addition to migrating the SIS ITER content, Books has or will work directly with TERA collaborators to have them directly submit their full text toxicological reviews directly to Books in XML. This includes IARC (all monographs are currently included in Books), NTP (all six of their series including the Report on Carcinogens), ATSDR (a portion of their legacy profiles are in Books and they are developing software to submit the rest of their content), RIVM (exploring the ability to submit their ConsExpo Fact Sheets as XML).

LactMed

LactMed contains information on drugs and other chemicals to which breastfeeding mothers may be exposed. This content was migrated to Books in the spring 2018 by building an XSLT converter to transform the SIS XML output from a CMS shared with HSDB to BITS. This process was time-consuming particularly as we needed to add scripting for content not included in the XML but generated via other processes. If the HSDB SIS CMS is retired, we should modify the existing contract with Phil Anderson

who authors the content to directly submit new and updated records to Bookshelf using Books Word template and conversion tools. If possible, this would include the additional data provided only in the SIS CMS, such as chemical structure image, related drug records, and synonyms.

LiverTox

LiverTox, produced in partnership with NIDDK, is a website aiming to provide a comprehensive resource for physicians and clinical / academic researchers who specialize in idiosyncratic drug induced hepatoxicity. After discussion with NIDDK and NLM leadership, NIDDK agreed to address scientific issues with the content and take complete ownership of it, including developing an advisory board and peer review process. NLM and NIDDK are working on a LitArch agreement to include this content in Bookshelf using Books Word workflow. NCBI will do a one-time HTML to XML conversion of legacy data that will take two to three months to complete.

Data Integration with PubMed and PubChem

1) Provider text extraction of chemical information

As possible work with content providers and their vendors to extract chemical information (such as CAS RN and synonyms) and tag it in structured keywords or other relevant elements to ease discoverability and integration of resources. Books has had discussions with Inera, the vendor many toxicology agencies are contracting with to modify a BITS eXtyles configuration for their content, to extract and tag this information per best practices. As other content providers onboard to the Books Word workflow, we will discuss if providers can easily add any of this additional data in our Word templates.

2) Books text extraction of chemical information

Adapt PubChem's text extraction and mapping tools for chemical, drug and disease names for toxicological and chemical resources in Books. As reasonable and reliable, modify XSLT converter scripts to add additional content type markup for key data tables or other such content so these data are machine readable.

3) Data indexing in PubMed / PubChem of chemical information

As necessary modify Books-PubMed scripting and PubMed DTD to support indexing of chemical information (e.g., keywords / MeSH, etc) in PubMed. Where feasible, work with PubChem as necessary, to build related links from these records to PubChem.

HSDB, ChemIDplus, PubChem Integration Proposal

Introduction

The National Library of Medicine (NLM) PubChem, ChemIDplus, and HSDB provide free and reliable chemical and toxicological information for a wide audience.

PubChem is an open chemistry database providing information from over 600 data sources on over 97 million compounds. The data collected in PubChem includes chemical structures, identifiers, chemical and physical properties, biological activities, patents, health, safety, toxicity data and more.

HSDB contains over 6,000 records focusing on the toxicology of potentially hazardous substances, including nanomaterials. It is enhanced with information on human exposure, industrial hygiene, emergency handling procedures, environmental fate, regulatory requirements, and related areas. All data in HSDB are referenced and are derived from a core set of books, government documents, technical reports, selected online databases, and selected primary journal literature. HSDB is peer-reviewed by the Scientific Review Panel (SRP), a committee of experts in the major subject areas within the data bank's scope.

ChemIDplus is a chemical dictionary of over 400,000 chemicals (names, synonyms, and chemical structures). It includes links to NLM and other databases and resources, including federal, state and international agencies.

The integration of HSDB and ChemIDplus into PubChem was initiated in 2018 as part of implementation of the NLM Strategic Plan. PubChem provides a robust and scalable platform for HSDB and ChemIDplus data. Further cooperation amongst these projects related to content creation and review should be explored.

PubChem Challenge

PubChem has powerful computational engines which efficiently and effectively harvest large amounts of data. However, as an aggregator, PubChem must retain original data from its sources. Errors or inconsistencies in that data cannot be corrected. Hence, maintenance of data quality is a substantial challenge for PubChem.

HSDB Challenge

The HSDB content building and review process is arduous. HSDB contains voluminous, comprehensive, and peer-reviewed content; it must continuously contend with:

- A costly content building process requiring manual extraction of data
- Slow growth of data: only 100-200 new chemical records are added yearly
- Slow update of content: just 3-5% of the records are reviewed and updated yearly

- An SRP review process which is costly and inefficient, and which urgently needs to be reimagined. The services NLM requires of HSDB contractors should also be re-evaluated.

ChemIDplus Challenge

ChemIDplus provides high quality original chemical structures for 80% of its chemicals. The collection currently contains 420,000 chemical records, including over 335,000 structures.

- Expanding the coverage of chemical structures to 100% and achieving accuracy and consistency of the chemical structures can be exceedingly difficult.

A Win-Win Proposal: HSDB, ChemIDplus, and PubChem Working Together

In the new paradigm for HSDB content curation, instead of building very large chemical records with many data from many sources (see Appendix 1) one chemical at a time, the Team of HSDB/ChemIDplus/PubChem will extract data, by machine or manually, from data sources and push the data to many chemicals all at once (see Figure 1). Contracts will be needed to curate chemical name/structure relationships (e.g., benzene is c1ccccc1), to add chemical name/classification relationships (e.g., fentanyl is on the DEA Schedule II list), and to curate chemical data/name relationships (e.g., the boiling point of benzene is 88.08 deg C at 760mm Hg). The chemical data will need to have appropriate 'structure' to the content (e.g., controlled vocabulary and consistent data representation) as well as appropriate provenance trail (e.g., citation that includes an appropriate machine-readable identifier such as PMID, DOI, ISSN, ISBN, ORCID, etc., when possible).

Proposed New HSDB Data Flow

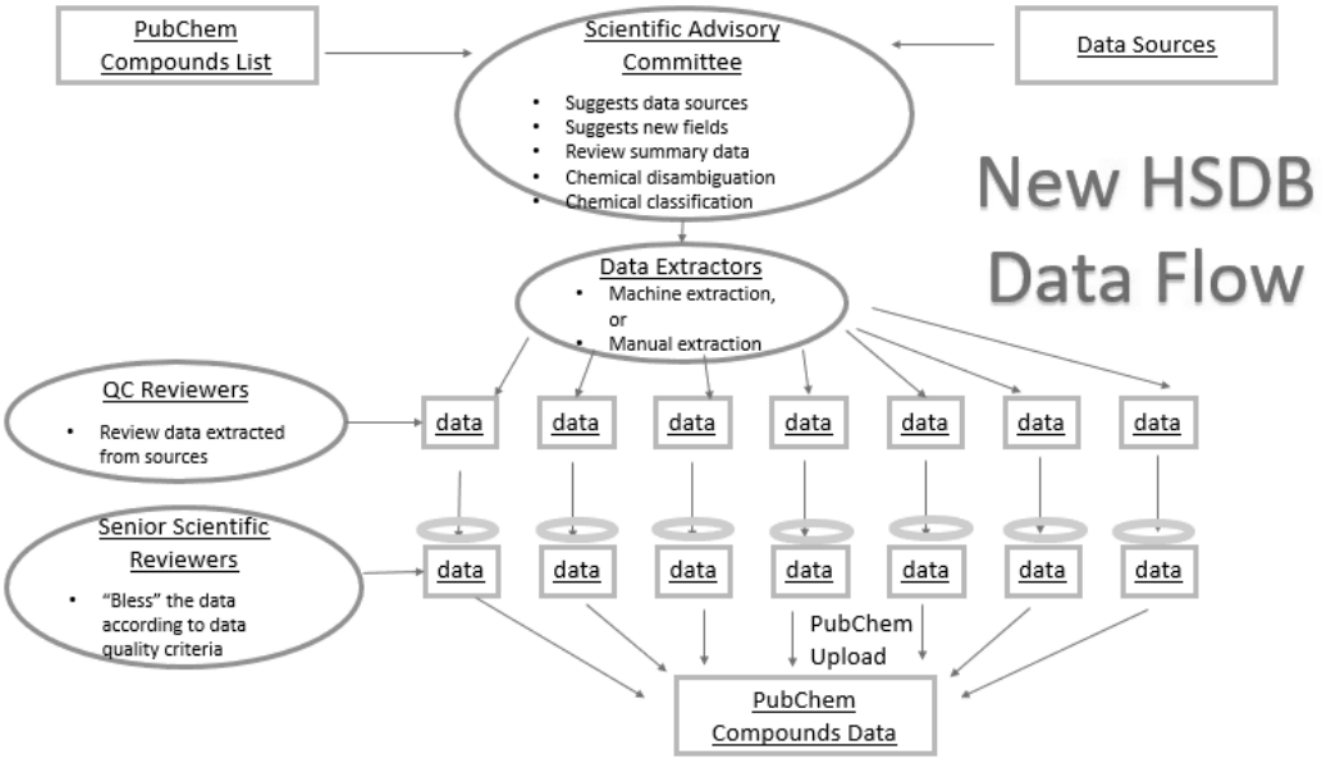


Figure 1. Proposed new HSDB data flow

New HSDB Data Flow Overview

- Establish a new Scientific Advisory Committee (SAC) whose key role is to identify data sources, data types, and data points for inclusion
- Extract data from sources identified by SAC, with data extraction programs, manually, or in conjunction with PubChem
- Data are extracted for all chemicals from that source
- Ensure data are extracted with controlled representation and appropriate provenance trails
- QC Reviewers check the extracted data
- Senior Scientific Reviewers with subject matter expertise reviews the content to meet quality standards
- Submit the new content to PubChem using PubChem Upload System
- Contractor may need to create and maintain a data entry/management system to manage the data and content building process
- NLM will build a tracking system to track, manage, and report the chemical records and fields, data sources, timestamps of updates, etc.

SIS staff working on HSDB

1. Dr. Bert Hakkinen – Senior Toxicologist, GS15, COR Level 2 certified, current COR of HSDB curation contracts, Acting Head of Office of Clinical Toxicology
2. Jeanne Goshorn – Supervisory Tech Info Specialist, GS15, Chief of Biomedical Information Services Branch at SIS, COR Level 2 certified

3. Colette Hochstein – Tech Info Specialist, GS13, responsible for many SIS toxicology and environmental health offerings, COR Level 2 certified

Implementation Details

We propose a phased implementation that spans FY2019 to the end of FY2020.

1. Phase 1 (FY2019 – FY2020): Bridge between the old and the new paradigm
    a. Recompete the two contracts for HSDB content building and peer review
    b. Maintain the SSEUS content management system for data input
    c. Conduct 2-3 Scientific Review Panel (SRP) meetings
    d. Establish the Scientific Advisory Committee (SAC) charter, recruit members
    e. Begin curation using the new paradigm – building data across many chemical records. In HSDB lingo, it is called "data source update" which HSDB team is familiar with.
    f. System requirement: SSEUS content management system is needed in this "bridge" year
2. Phase 2 (after completion of Phase 1, FY2020 on)
    a. Establish a new contract to support the new data building paradigm and data flow
    b. System requirements:
        i. Sunset the SSEUS system
        ii. Data entry system will be the responsibility of the contractor. Functionalities could be partially provided by PubChem.
        iii. NLM will build an administrative module to keep track of the chemical records, status of updates, and other housekeeping data to manage the curation process. This module may also be built into the PubChem Upload System.

Cost Saving Considerations

	Status quo		**New HSDB Data Flow**	
Year 1	SSEUS CMS maintenance	$30,000	SSEUS CMS maintenance	$30,000
	NLM develops a new CMS to support the old process. One-time cost.	$500,000		
	Contract 1 for content curation and scientific review panel meetings	$900,000	Contract 1 for content curation and scientific review panel meetings	$900,000
	Contract 2 for environmental content curation	$420,000	Contract 2 for environmental content curation	$420,000
Year 1 Total		**$1,850,000**		**$1,350,000**
Year 2	Contract 1 for content curation and scientific review panel meetings	$900,000	Contract 1 for content curation	$900,000
	Contract 2 for environmental content curation	$420,000	Scientific Advisory Committee meeting	$70,000

			NLM build a tracking system for managing the curation progress. One-time cost.	$150,000
			Contract 2 for constructing normalized data structure to curate machine readable data	$200,000
Year 2 Total		**$1,320,000**		**$1,320,000**
Year 1-2 Total		**$3,170,000**		**$2,670,000**

Year 3 Total		**$1,320,000**		**$1,170,000**

ChemIDplus Data Flow to Support PubChem

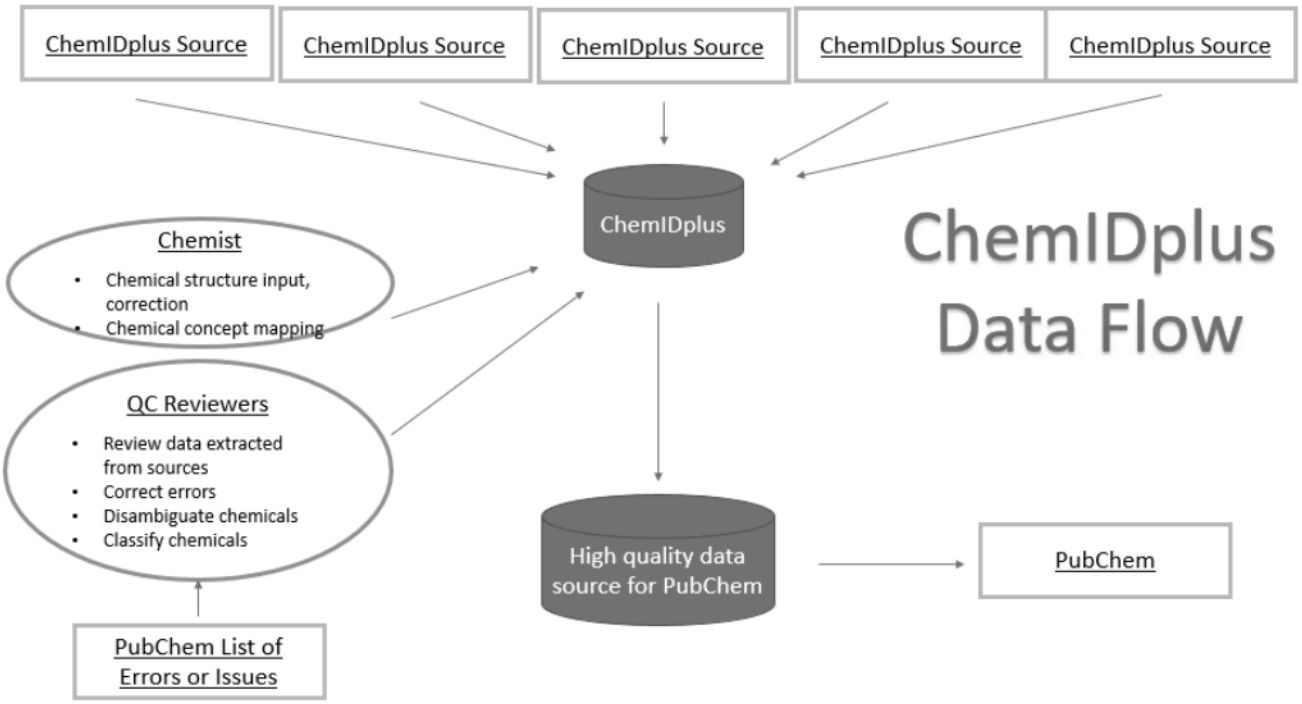


Figure 2. ChemIDplus data flow to support PubChem

ChemIDplus Data Flow Overview

- ChemIDplus uses mostly machine processing for data ingestion, normalization, term mapping, and batch conversion. In the new data flow, the machine processing will continue.
- The ChemID Team and PubChem Team will review the current backend data management system, DB-Maint, to improve efficiency, and eliminate unnecessary or under-utilized functions.
- ChemIDplus will get chemical structures from PubChem. Subject Matter Experts will perform quality control, correct errors, improve structure quality, and classify chemical concepts.
- System requirements:
    - DB-Maint, a java web-based system, allows efficient management of data flow.
    - PubChem and ChemIDplus team shall evaluate the replacement of Oracle database, for example, with PostgreSQL.

SIS Staff working on ChemIDplus

1. Jeanne Goshorn – Supervisory Tech Info Specialist, GS15, Chief of Biomedical Information Services Branch at SIS, COR Level 2 certified
2. Ying Sun – Computer Scientist, GS13, MS in chemistry, and computer science, current COR of ChemIDplus contracts, COR Level 2 certified
3. Meng Cheng (new hire) – Chemist, GS12, PhD in chemistry, MS in computer science, 15-year experience working on ChemIDplus

Cost Saving Considerations

	Status quo		New ChemID data flow	
Year 1	Contract 1 Interface software development database development	$235,000	Contract 1 Interface software development database development	$235,000
	Contract 2 Data & structure curation	$198,000	Contract 2 Data & structure curation	$198,000
	Contract 3 Database development	$20,000	Contract 3 Database development	$20,000
	Biovia	$10,000	Biovia	$10,000
	Oracle	$5,262	Oracle	$5,262
Year 1 Total		**$468,262**		**$468,262**
Year 2	Contract 1 software development	$235,000	Contract 1 data, structure curation, Subject matter experts (chemists)	$420,000
	Contract 2 Data & structure curation	$198,000	Contract 2 Database development	$20,000
	Contract 3 Database development	$20,000		
	Biovia	$10,000	Biovia	$10,000
	Oracle	$5,262	PostgreSQL	$0
Year 2 Total		**$468,262**		**$450,000**
Year 1-2 Total		**$936,524**		**$918,262**

Conclusion

Outcome for PubChem

- ✓ ChemIDplus serves as the “curated arm” of PubChem
- ✓ Inconsistent and erroneous PubChem data is corrected/validated in ChemIDplus, allowing the latter to serve as PubChem’s vetted core data, thus improving PubChem’s overall data quality.
- ✓ Inconsistent and erroneous PubChem data is corrected/validated in HSDB, thus expanding and improving PubChem’s overall data quality

Outcome for HSDB

- ✓ More efficient and effective record building process via a new approach to support from contractors
- ✓ More efficient and effective record building process via a retooled scientific advisory process that advises solely on "data sources" and "data types"
- ✓ Significantly more data reviewed by senior subject matter expert reviewers
- ✓ Content becomes "branded"
- ✓ Technology and chemical informatics knowledge transfer from PubChem, replacing manual data extraction with machine data harvesting
- ✓ Collection exponentially expanded.

Outcome for ChemIDplus

- ✓ Collaborating with PubChem will improve the accuracy and consistency of the chemical structures
- ✓ Increase the collection of chemical records and structures
- ✓ Content becomes "branded"

Benefits for NLM

As noted by NLM Director Dr. Patricia Brennan, "The National Library of Medicine takes seriously the enormous public trust awarded us worldwide for the quality and integrity of our data and information."

Focused collaboration amongst these three widely-known and used NLM resources will contribute to the Library's Strategic Goal to "connect the resources of a digital research enterprise," to "accelerate the speed and precision of discovery," and to "become a platform for biomedical discovery and data-powered health."

Streamlining and modernizing how these offerings are built and maintained will appreciably benefit both the Library and its many users.

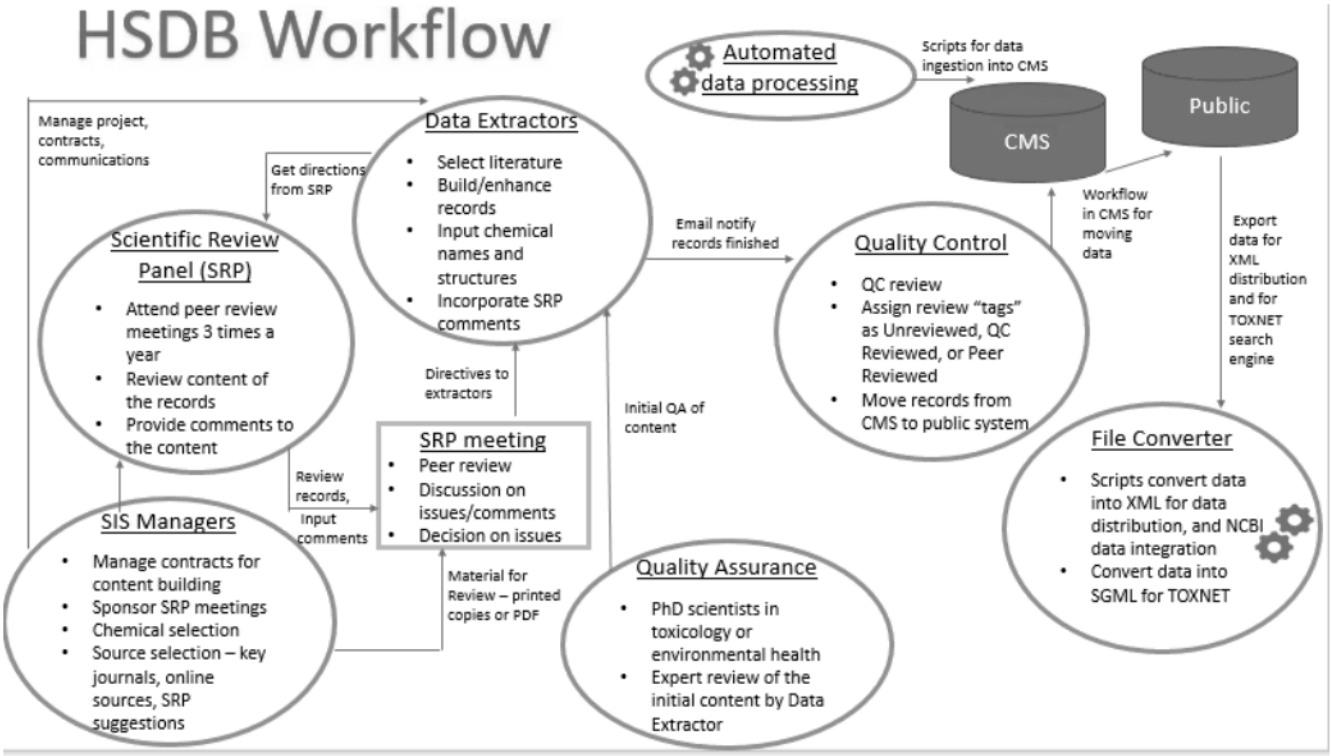
https://www.nlm.nih.gov/pubs/plan/lrp17/NLM_StrategicReport2017_2027.pdf

Proposed Management Structure

Having the three project teams in one organization will be optimal.

- ✓ Ease of management for contracts and employees
- ✓ Shared vision
- ✓ Shared resources
- ✓ Common technology platform
- ✓ Outreach and promotion to the same audience groups

Appendix 1. Current HSDB Workflow



From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 21 Mar 2019 16:47:54 +0000
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: Status of SIS sunset requests
Attachments: FORM REQUEST TO RETIRE NLM TOXMAP March2019rev - js.docx, FORM REQUEST to sunset CPDBrev - js.docx

Florence,
I'm ready to approve the CPDB sunset plan with the edits I made in the document (attached).

I added a couple of questions/comments to TOXMAP that need to be addressed.

Thank you,
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Wednesday, March 13, 2019 10:51 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Status of SIS sunset requests

Jerry,

Please find the 2 attached revisions of the TOXMAP and CPDB sunset plans. The additional explanations in sections are highlighted in yellow. If you are OK with the revisions, we will start implementing the sunset protocols for these 2 resources.

Going forward, we will submit new sunset plans through the new web interface.

Thanks!

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:51 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Status of SIS sunset requests

Great – can you include that in the plan.

Thanks
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:34 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Re: Status of SIS sunset requests

Jerry,

Thanks for the feedback on TOXMAP sunset plan. We will post information on the home page now to direct users to the sources such as EPA.

It will be posted for the next 6 months. I think it is ample time before the planned sunset date.

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:17 PM
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E]; Nurik, Jody (NIH/NLM) [E]
Subject: RE: Status of SIS sunset requests

Florence,
I'm OK with sunsetting TOXMAP. One item to clarify on the form. Will we post information on the NLM (Toxmap) website directing users to the EPA and other sources of the underlying information. I'd suggest we do so during some transition time.

Thanks
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, February 19, 2019 9:55 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Status of SIS sunset requests

Jerry,

You approved sunset plan for CHIRR, ToxMystery, and GeneEd. We are working on Letter of Agreement with Society of Toxicology for them to take the archived version of ToxLearn. There are two remaining ones, ToxMap, and CPDB. We provided additional information and revised sunset plan, attached with this email. There will be two more plans, one for Arctic Health, and another one for American Indian Health, ready for you to review. Let us know if you want to wait for the new sunset system to go live to process these two new ones.

Thanks!

Florence

REQUEST TO RETIRE NLM TOXMAP

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) The US EPA now produces several GIS products and visualization applications (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality, except the ability to search TOXNET from within the GIS tools. This was a unique feature in TOXMAP-classic, which was retired due to the obsolete technology platform. The new version of TOXMAP does not have this feature either. To make the new TOXMAP to have this feature will require major investment in software development. We cannot justify the effort because the usage of this feature was very low, averaging about 400 searches a year.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Initial Here Date

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff. Identify who needs to be informed? (staff, contractors) SIS staff, NLM staff, NNLM staff and core set of dedicated users from the Public Health and Toxicology Communities.

1. Determine questions that may need to be addressed. These may include:
   What information needs to be provided? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now

provides several GIS products that provide similar GIS functionality of TOXMAP.

- When will the information be provided? End of FY2019
- By what method(s) will information be provided? Example: Email to all NLM staff Email, GovD posts, announcement on TOXMAP web site
- If multiple messages are to be sent, by what method(s) and with what frequency? Over a three-month period.
- Are there any potential areas for misunderstanding or concern? None except that core users of TOXMAP will not have a comparable resource available. PLEASE EXPLAIN – YOU SAY ELSEWHERE THAT THE INFORMATION IN TOXNET IS AVAILABLE FROM OTHER SOURCES, AS IS MOST FUNCTIONALITY.

2. Establish what may need to be communicated to internal audiences. This could include:
   - Why is this program or service being retired? TOXMAP will be retired because the US EPA now provides several GIS products that provide similar GIS functionality.
   - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) US EPA GIS applications and TRI applications; possibly NLM TOXNET TRI
   - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS.
   - What staff will be involved in this transition? Colette Hochstein
3. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
   - ☒ Emails
   - ☒ Signage
   - ☐ Information delivered at staff meetings
   - ☐ Point of discussion at brown bag luncheons
   - ☐ Town Hall meetings, etc.
   - ☐ Other (Explain) Enter other mechanism(s)
4. Develop and attach a set of Talking Points for the NLM Director TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program. It will be retired at the end of FY2019. the US EPA now provides several GIS products that provide similar GIS functionality.
5. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

Comment [SJ([]: Do we need to provide any advanced warning to NIEHS? Are they or their stakeholder communities users of this resource?

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☒ Other (Please elaborate) SIS has worked for many years with the US EPA regarding the data and functionality of TOXMAP. Their staff should be informed of its status.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other original sources. GIS application users can access them by overlaying the data in their GIS applications. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other sources. GIS application users can access them by overlaying the data to the maps. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS
    - How can I or how can my group be involved in this transition? Provide related information as needed.

3. Identify what needs to be completed:
   - ☐ Deliverables Specify
   - ☒ Responsible party or parties for the sunsetting process Colette Hochstein, Florence Chang
   - ☐ Due date 9/30/2019

   Identification of communication channels. These could include (Check all that apply):
   - ☒ emails to stakeholders and users
   - ☐ signage
   - ☐ NLM homepage (public news announcement)
   - ☐ speeches
   - ☒ social media including Facebook, Twitter, LinkedIn, etc.
   - ☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.
   - ☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
   - When will the information be provided? Starting Summer 2019)
   - With what frequency? Monthly
   - Are there potential areas for misunderstanding or concern? Probably not.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI. Links to direct users to these external data sources will be provided on the TOXMAP home page for 6 months prior to the sunset.
   - How will NLM respond to questions and comments? Staff will respond to questions received through customer service emails
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Name	Colette Hochstein, Florence Chang

REQUEST TO RETIRE CARCINOGENIC POTENCY DATABASE (CPDB)

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☒ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☒ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☐ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☒ Other (Please explain) The Carcinogenic Potency Database (CPDB) is an archival database with low and decreasing usage. It provides historical information from the years 1980 - 2011. It is no longer updated. It was created at the University of California, Berkeley, and when they no longer wanted to maintain access to it after it was no longer being built, they asked us to take it. CPDB reports analyses of animal cancer tests on 1547 chemicals. CPDB includes 6540 chronic, long-term animal cancer tests, both positive and negative for carcinogenicity, from the general published literature as well as the National Cancer Institute and the National Toxicology Program (NTP). Such tests were used in support of cancer risk assessments for humans. CPDB was developed by the Carcinogenic Potency Project at the University of California, Berkeley and the Lawrence Berkeley National Laboratory. The usage of CPDB has consistently dropped over the past years to 0.007% of TOXNET usage in FY2018. Of TOXNET's 27,582,034 page views in FY2018, only 1930 page views were for CPDB.

II. **Approval.** This form must be signed by:

- **NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD)** HFC 11/27/2018

X

Hua Florence Chang
Acting Associate Director, SIS

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  - NLM Director Initial Here Date
  - NLM Deputy Director Initial Here Date
  - NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Staff are aware of the plan. Additional groups include NNCO, NNLM, and toxicology community via our listserv.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? ~~That the CPDB was a resource taken from the University of Berkeley after they stopped supporting it and wanted an archival home for a few years.~~ That the CPDB was a resource taken from the University of Berkeley after they stopped supporting it and wanted an archival home for a few years. That the information will be available on NLM's ftp site for 6 months after sunsetting.
    - When will the information be provided? 5/31/2019
    - By what method(s) will information be provided? Example: Email to all NLM staff Post on database web pages, and send to OCPL for distribution.)
    - If multiple messages are to be sent, by what method(s) and with what frequency? One round
    - Are there any potential areas for misunderstanding or concern? none
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? ~~The way it was created at Berkeley does not lend itself to conversion to Bookshelf resource where some TOXNET databases are going. It has not been updated for many years.)~~ The information is outdated and little used. It is not in a form that lends itself to conversion to Bookshelf)
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) The evaluated and annotated content, currently searchable on TOXNET, will no longer be available on TOXNET. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site. The citations of referenced literatures are available on PubMed.
    - What will happen to the staff working on the product or service? No staff resources used now
    - What staff will be involved in this transition? Florence Chang, Phil Thomas
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):

    ☒ Emails

☒ Signage

☒ Information delivered at staff meetings

☐ Point of discussion at brown bag luncheons

☐ Town Hall meetings, etc.

☒ Other (Explain) listserv

5. Develop and attach a set of Talking Points for the NLM Director ~~Resource was a labor intense one developed by Berkeley staff and when it was terminated we were asked to house the file. Given the move of TOXNET databases to NCBI, this resource is not in a format that can be converted to run there.~~The information is outdated and little used. It is not in a form that lends itself to conversion to Bookshelf). The resource was a labor intensive one developed by Berkeley staff and transitioned to NLM when UC Berkley terminated the project. This resource is not in a format that can be converted to another NLM database or Bookshelf. The data will remain available on NLM's ftp site.
6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☐ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? ~~Cannot be converted to new format for TOXNET move to NCBI.~~ The information is outdated and little used. Cannot be converted to new format for TOXNET move to NCBI.
   - What content, if any, will still be available and, if so, why and where? ~~None other than journal literature on which it is based is still available.~~ The data will remain available on NLM's ftp site. Journal literature on which it is based is still available via PubMed.
   - What will happen to the staff working on the product or service? No staff work on this other than routine IT deployment /support issues .

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? ~~Cannot be converted to new format for TOXNET move to NCBI.)~~ ~~Will be taken down from TOXNET end May 2019~~ The resource is outdated and little used. It cannot be converted to a new format for other NLM databases or Bookshelf. The resource will be taken down from TOXNET end May 2019

- What content, if any, will still be available and, if so, why and where? ~~None other than journal literature on which it is based is still available. The archived content will be made available in compressed format on NLM FTP server.~~ Journal literature on which it is based is still available in PubMed. The archived content will be made available in compressed format on NLM FTP server.
- What will happen to the staff working on the product or service? No staff
- How can I or how can my group be involved in this transition? Enter possible support option(s)

3. Identify what needs to be completed:
   ☐ Deliverables Specify
   ☒ Responsible party or parties for the sunsetting process TOXNET IT
   ☒ Due date 5/31/20195/31/2019
   Identification of communication channels. These could include (Check all that apply):
   ☒ emails to stakeholders and users
   ☐ signage
   ☒ NLM homepage (public news announcement)
   ☐ speeches
   ☒ social media including Facebook, Twitter, LinkedIn, etc.
   ☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.
   ☐ Other (Please Explain) Enter other possible communication channel(s)
4. Determine questions that may need to be addressed, including:
   - What information will be provided? Sunset of CPDB
   - When will the information be provided? Starting after approval
   - With what frequency? Enter frequency
   - Are there potential areas for misunderstanding or concern? no
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? ~~Not available in its current format. The archived content will be made available in compressed format on NLM FTP server.~~ Journal literature on which it is based is still available in PubMed. The archived content will be made available in compressed format on NLM FTP server.
   - How will NLM respond to questions and comments? Email via customer service system
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Jeanne Gosohorn	Jeanne.goshorn@nih.hhs.govJeanne.goshorn@nih.hhs.gov

From: Chang, Florence (NIH/NLM) [E]
Sent: 22 Mar 2019 14:24:13 +0000
To: Tybaert, Sara (NIH/NLM) [E]
Subject: FW: SIS/NCBI proposal discussions
Attachments: ToxNet_Books_Recommendations_03052019.docx, HSDB PubChem ChemID intergration proposal.docx

Sara,
With David on leave, I'd like you to attend this meeting. Glad to talk abut it on Monday, too.

-----Original Appointment-----
From: Chang, Florence (NIH/NLM) [E]
Sent: Thursday, March 21, 2019 10:17 AM
To: Chang, Florence (NIH/NLM) [E]; Goshorn, Jeanne (NIH/NLM) [E]; Hakkinen, Pertti (NIH/NLM) [E]; Ostell, Jim (NIH/NLM/NCBI) [E]; Backus, Joyce (NIH/NLM) [E]; Gillikin, David (NIH/NLM) [E]; Bolton, Evan (NIH/NLM/NCBI) [E]; Lathrop, Stacy (NIH/NLM/NCBI) [C]; Pruitt, Kim (NIH/NLM/NCBI) [E]; D'Souza, Ivor (NIH/NLM) [E]
Cc: Ma, Wei (NIH/NLM) [E]
Subject: SIS/NCBI proposal discussions
When: Monday, March 25, 2019 3:00 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Conference room B

I hope we can meet in person before Personal Info I know David Gillikin will not be able to attend. I can fill him in when he returns.

You are welcome to send me agenda items that you'd like to include.

Florence

SIS Full-Text Resources identified for Books

SIS has identified the six resources below as priorities to migrate to Bookshelf. The recommendations modified since February 2018 as well as the status of migrating the content follow:

Resource	Status
AIDSInfo Guidelines	Add pending technical quality of XML sample awaiting from contractors
IRIS	Add pending technical quality of XML directly from EPA – legacy data migrated through PDF conversion using interagency agreement and new and updated content deposited via EPA's own eXtyles configuration
ITER	Add pending legal issues concerning ownership of the content and that ITER can submit directly to Bookshelf using Books Word conversion workflow. NCBI will do a one-time conversion for legacy data, either by XSLT script if we can receive well-formed, valid data or by sending to a vendor. Books is also working directly with TERA collaborators to have them submit their full text toxicological reviews (summarized / compared in ITER) directly to Books as XML. – IARC and NTP currently submitting; ATSDR developing software to submit XML; RIVM exploring how to submit XML directly.
LactMed	Already in production in Books via FTP submission of XML from SIS. If SIS CMS is retired, new and updated files should be submitted directly by NLM-contracted author to Books using Word workflow.
LiverTox	NIDDK has agreed to take on ownership of this content and to submit new and updated files to Bookshelf using Word workflow. NCBI will do a one-time HTML to BITS XML conversion for legacy data. The agreement is currently being discussed so work can begin.
PubMed / PubChem Integration Tasks	**Status**
Provider text extraction of chemical information	Initial discussions with some content providers and tagging vendors about ideal markup of chemical data; ability to implement dependent on content providers and tagging vendor negotiations of level of effort to vendor and costs to content owner, and Books technical review of any resulting XML submissions
Books text extraction of chemical information	Scripting developed for SIS CMS-Books LactMed workflow. Discussions with PubChem about their text extraction and tagging tools
Data indexing in PubMed / PubChem of chemical information	Initial planning discussions for possible implementation starting in summer 2019, dependent on level of effort and developer resources

AIDSInfo Guidelines

This is excellent content and we are in the process of migrating it to Bookshelf. ICF, the contractor responsible for maintaining the SIS site, has provided Books with XML samples. Books has provided structural feedback on these samples that ICF is in the process of addressing.

IRIS

EPA's Integrated Risk Information System publishes assessments of health hazards of chemicals found in the environment as PDFs. SIS is currently copying and pasting the content in these PDFs into their website, with large delays (2 years or more) between the time the assessments are released and updated and the time they are made available or are updated in the TOXNET version of the EPA site. The source data in the TOXNET database is SGML of unusable quality with no DTD included. To address the issue of delay and poor data quality, Bookshelf is in discussions with EPA to directly submit XML for their toxicological reviews. They are working to adapt an eXtyles software configuration to produce BITS XML for their content. We are also discussing a pilot to convert their legacy content from PDF to XML so that there is a target XML sample for the eXtyles software development. To pay for those conversions, we are looking to adapt the current interagency agreement with EPA to process manuscripts to also include this book content. If EPA is unwilling to cover the conversion costs, to migrate the entire collection of 550 assessments by converting from PDF, would be approximately $44,000 (11,000 pages/$4page). I expect it would take 3-6 months to migrate the content using this process, and at least 1 or 2 FTE to QA it over this period. It appears there are 20 assessments under development, so future conversion costs would be roughly $1600 a year (400 pages/$4page) if EPA is unable to develop their own conversion software.

ITER

ITER (International Toxicity Estimates for Risk) is a free Internet database of human health risk values and cancer classifications for over 680 chemicals of environmental concern from multiple organizations worldwide. It is managed by TERA (Toxicology Excellence for Risk Assessment) currently based at the University of Cincinnati. Our scientific reviewer identified some past ethical concerns about TERA regarding legal ownership of the content, that should be fully addressed by NLM and the University of Cincinnati before we accept this content. We also need to address technical and workflow issues before we agree to migrate this content, including an assurance that the content is being regularly maintained and updated, and that we can BITS XML directly from the content owner using the Books Word workflow. If the content owner provides new and updated content via Word, NCBI will do a one-time conversion for legacy data, either by XSLT script if we can receive well-formed, valid data (which will take a technical specialist approximately six weeks or possibly by sending to a vendor if they can convert HTML or text to BITS (~800 records/$4page at $3,600). The current XML generated from the SIS CMS does not meet Books technical standards (including that it does not validate and is not well-formed). In addition to migrating the SIS ITER content, Books has or will work directly with TERA collaborators to have them directly submit their full text toxicological reviews directly to Books in XML. This includes IARC (all monographs are currently included in Books), NTP (all six of their series including the Report on Carcinogens), ATSDR (a portion of their legacy profiles are in Books and they are developing software to submit the rest of their content), RIVM (exploring the ability to submit their ConsExpo Fact Sheets as XML).

LactMed

LactMed contains information on drugs and other chemicals to which breastfeeding mothers may be exposed. This content was migrated to Books in the spring 2018 by building an XSLT converter to transform the SIS XML output from a CMS shared with HSDB to BITS. This process was time-consuming particularly as we needed to add scripting for content not included in the XML but generated via other processes. If the HSDB SIS CMS is retired, we should modify the existing contract with Phil Anderson

who authors the content to directly submit new and updated records to Bookshelf using Books Word template and conversion tools. If possible, this would include the additional data provided only in the SIS CMS, such as chemical structure image, related drug records, and synonyms.

LiverTox

LiverTox, produced in partnership with NIDDK, is a website aiming to provide a comprehensive resource for physicians and clinical / academic researchers who specialize in idiosyncratic drug induced hepatoxicity. After discussion with NIDDK and NLM leadership, NIDDK agreed to address scientific issues with the content and take complete ownership of it, including developing an advisory board and peer review process. NLM and NIDDK are working on a LitArch agreement to include this content in Bookshelf using Books Word workflow. NCBI will do a one-time HTML to XML conversion of legacy data that will take two to three months to complete.

Data Integration with PubMed and PubChem

1) Provider text extraction of chemical information

As possible work with content providers and their vendors to extract chemical information (such as CAS RN and synonyms) and tag it in structured keywords or other relevant elements to ease discoverability and integration of resources. Books has had discussions with Inera, the vendor many toxicology agencies are contracting with to modify a BITS eXtyles configuration for their content, to extract and tag this information per best practices. As other content providers onboard to the Books Word workflow, we will discuss if providers can easily add any of this additional data in our Word templates.

2) Books text extraction of chemical information

Adapt PubChem's text extraction and mapping tools for chemical, drug and disease names for toxicological and chemical resources in Books. As reasonable and reliable, modify XSLT converter scripts to add additional content type markup for key data tables or other such content so these data are machine readable.

3) Data indexing in PubMed / PubChem of chemical information

As necessary modify Books-PubMed scripting and PubMed DTD to support indexing of chemical information (e.g., keywords / MeSH, etc) in PubMed. Where feasible, work with PubChem as necessary, to build related links from these records to PubChem.

HSDB, ChemIDplus, PubChem Integration Proposal

Introduction

The National Library of Medicine (NLM) PubChem, ChemIDplus, and HSDB provide free and reliable chemical and toxicological information for a wide audience.

PubChem is an open chemistry database providing information from over 600 data sources on over 97 million compounds. The data collected in PubChem includes chemical structures, identifiers, chemical and physical properties, biological activities, patents, health, safety, toxicity data and more.

HSDB contains over 6,000 records focusing on the toxicology of potentially hazardous substances, including nanomaterials. It is enhanced with information on human exposure, industrial hygiene, emergency handling procedures, environmental fate, regulatory requirements, and related areas. All data in HSDB are referenced and are derived from a core set of books, government documents, technical reports, selected online databases, and selected primary journal literature. HSDB is peer-reviewed by the Scientific Review Panel (SRP), a committee of experts in the major subject areas within the data bank's scope.

ChemIDplus is a chemical dictionary of over 400,000 chemicals (names, synonyms, and chemical structures). It includes links to NLM and other databases and resources, including federal, state and international agencies.

The integration of HSDB and ChemIDplus into PubChem was initiated in 2018 as part of implementation of the NLM Strategic Plan. PubChem provides a robust and scalable platform for HSDB and ChemIDplus data. Further cooperation amongst these projects related to content creation and review should be explored.

PubChem Challenge

PubChem has powerful computational engines which efficiently and effectively harvest large amounts of data. However, as an aggregator, PubChem must retain original data from its sources. Errors or inconsistencies in that data cannot be corrected. Hence, maintenance of data quality is a substantial challenge for PubChem.

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The HSDB content building and review process is arduous. HSDB contains voluminous, comprehensive, and peer-reviewed content; it must continuously contend with:

- A costly content building process requiring manual extraction of data
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- Slow update of content: just 3-5% of the records are reviewed and updated yearly

- An SRP review process which is costly and inefficient, and which urgently needs to be reimagined. The services NLM requires of HSDB contractors should also be re-evaluated.

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ChemIDplus provides high quality original chemical structures for 80% of its chemicals. The collection currently contains 420,000 chemical records, including over 335,000 structures.

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A Win-Win Proposal: HSDB, ChemIDplus, and PubChem Working Together

In the new paradigm for HSDB content curation, instead of building very large chemical records with many data from many sources (see Appendix 1) one chemical at a time, the Team of HSDB/ChemIDplus/PubChem will extract data, by machine or manually, from data sources and push the data to many chemicals all at once (see Figure 1). Contracts will be needed to curate chemical name/structure relationships (e.g., benzene is c1ccccc1), to add chemical name/classification relationships (e.g., fentanyl is on the DEA Schedule II list), and to curate chemical data/name relationships (e.g., the boiling point of benzene is 88.08 deg C at 760mm Hg). The chemical data will need to have appropriate 'structure' to the content (e.g., controlled vocabulary and consistent data representation) as well as appropriate provenance trail (e.g., citation that includes an appropriate machine-readable identifier such as PMID, DOI, ISSN, ISBN, ORCID, etc., when possible).

Proposed New HSDB Data Flow

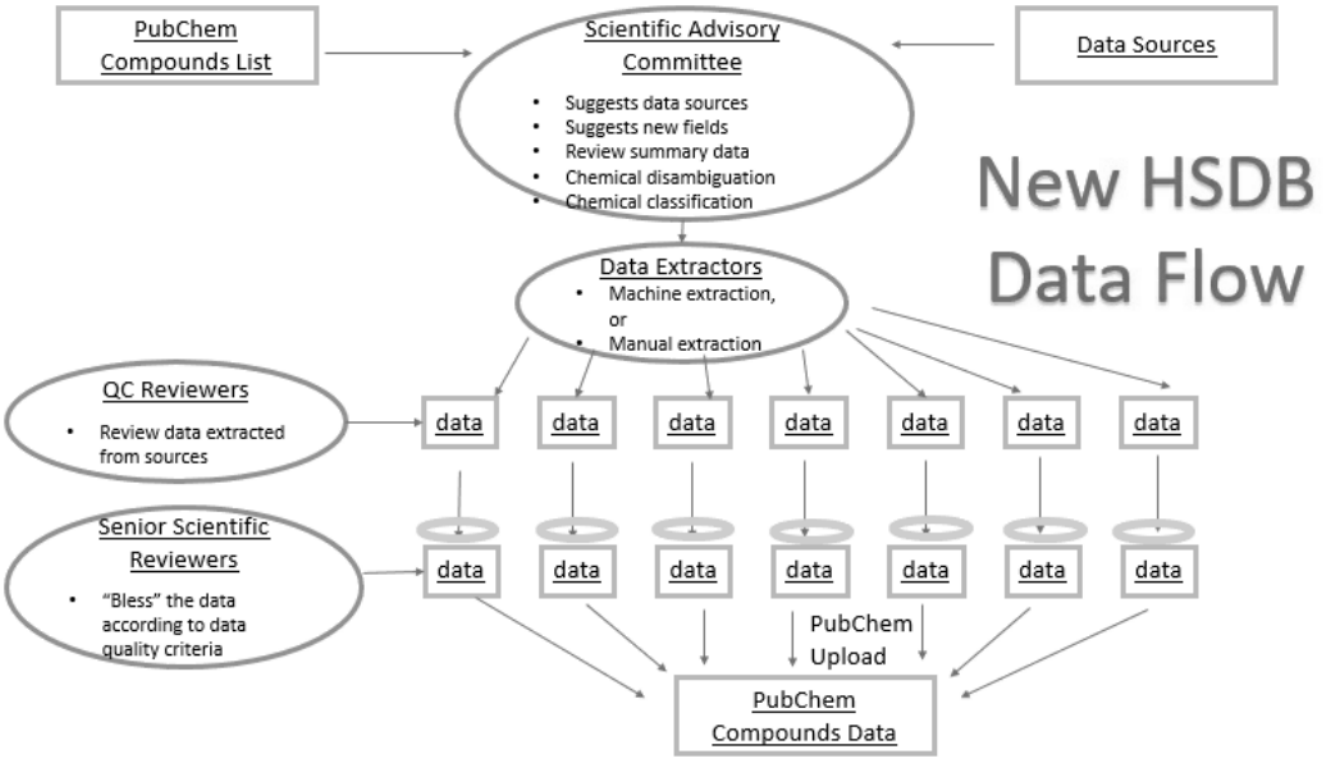

Figure 1. Proposed new HSDB data flow

New HSDB Data Flow Overview

- Establish a new Scientific Advisory Committee (SAC) whose key role is to identify data sources, data types, and data points for inclusion
- Extract data from sources identified by SAC, with data extraction programs, manually, or in conjunction with PubChem
- Data are extracted for all chemicals from that source
- Ensure data are extracted with controlled representation and appropriate provenance trails
- QC Reviewers check the extracted data
- Senior Scientific Reviewers with subject matter expertise reviews the content to meet quality standards
- Submit the new content to PubChem using PubChem Upload System
- Contractor may need to create and maintain a data entry/management system to manage the data and content building process
- NLM will build a tracking system to track, manage, and report the chemical records and fields, data sources, timestamps of updates, etc.

SIS staff working on HSDB

1. Dr. Bert Hakkinen – Senior Toxicologist, GS15, COR Level 2 certified, current COR of HSDB curation contracts, Acting Head of Office of Clinical Toxicology
2. Jeanne Goshorn – Supervisory Tech Info Specialist, GS15, Chief of Biomedical Information Services Branch at SIS, COR Level 2 certified

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Implementation Details

We propose a phased implementation that spans FY2019 to the end of FY2020.

1. Phase 1 (FY2019 – FY2020): Bridge between the old and the new paradigm
    a. Recompete the two contracts for HSDB content building and peer review
    b. Maintain the SSEUS content management system for data input
    c. Conduct 2-3 Scientific Review Panel (SRP) meetings
    d. Establish the Scientific Advisory Committee (SAC) charter, recruit members
    e. Begin curation using the new paradigm – building data across many chemical records. In HSDB lingo, it is called "data source update" which HSDB team is familiar with.
    f. System requirement: SSEUS content management system is needed in this "bridge" year
2. Phase 2 (after completion of Phase 1, FY2020 on)
    a. Establish a new contract to support the new data building paradigm and data flow
    b. System requirements:
        i. Sunset the SSEUS system
        ii. Data entry system will be the responsibility of the contractor. Functionalities could be partially provided by PubChem.
        iii. NLM will build an administrative module to keep track of the chemical records, status of updates, and other housekeeping data to manage the curation process. This module may also be built into the PubChem Upload System.

Cost Saving Considerations

	Status quo		**New HSDB Data Flow**	
Year 1	SSEUS CMS maintenance	$30,000	SSEUS CMS maintenance	$30,000
	NLM develops a new CMS to support the old process. One-time cost.	$500,000		
	Contract 1 for content curation and scientific review panel meetings	$900,000	Contract 1 for content curation and scientific review panel meetings	$900,000
	Contract 2 for environmental content curation	$420,000	Contract 2 for environmental content curation	$420,000
Year 1 Total		**$1,850,000**		**$1,350,000**
Year 2	Contract 1 for content curation and scientific review panel meetings	$900,000	Contract 1 for content curation	$900,000
	Contract 2 for environmental content curation	$420,000	Scientific Advisory Committee meeting	$70,000

			NLM build a tracking system for managing the curation progress. One-time cost.	$150,000
			Contract 2 for constructing normalized data structure to curate machine readable data	$200,000
Year 2 Total		**$1,320,000**		**$1,320,000**
Year 1-2 Total		**$3,170,000**		**$2,670,000**

Year 3 Total		**$1,320,000**		**$1,170,000**

ChemIDplus Data Flow to Support PubChem

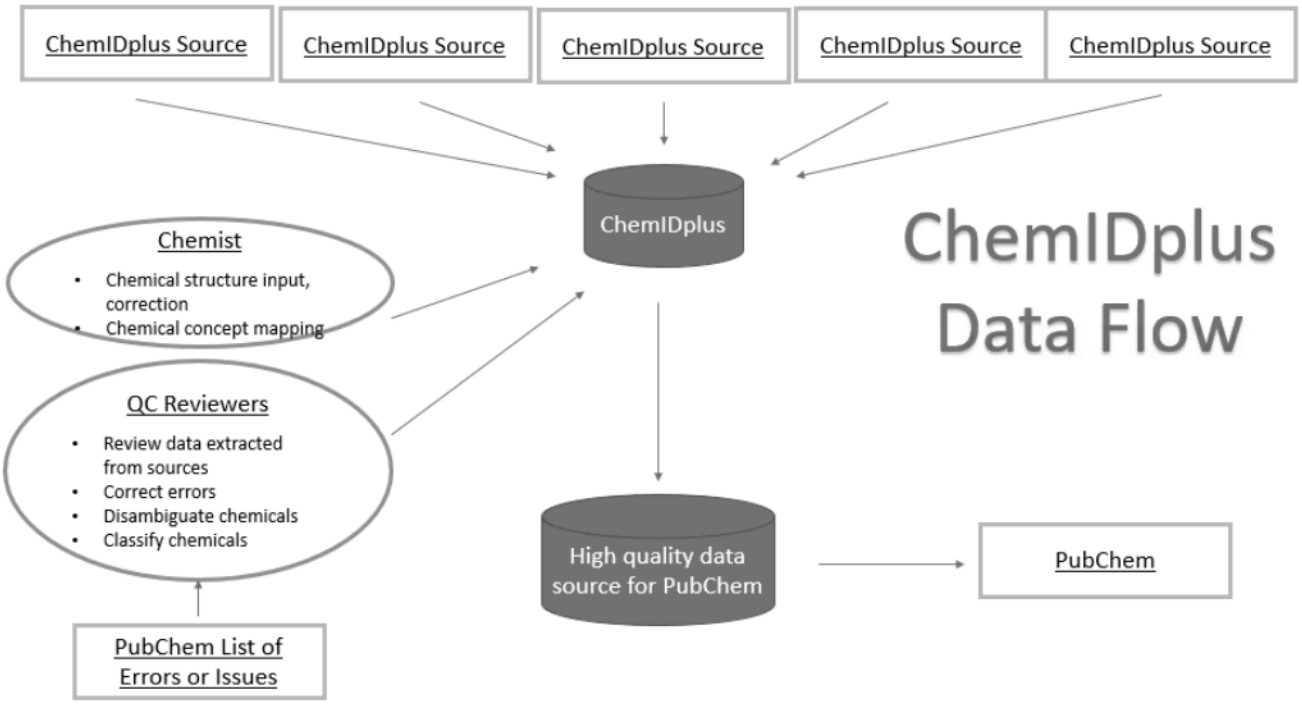


Figure 2. ChemIDplus data flow to support PubChem

ChemIDplus Data Flow Overview

- ChemIDplus uses mostly machine processing for data ingestion, normalization, term mapping, and batch conversion. In the new data flow, the machine processing will continue.
- The ChemID Team and PubChem Team will review the current backend data management system, DB-Maint, to improve efficiency, and eliminate unnecessary or under-utilized functions.
- ChemIDplus will get chemical structures from PubChem. Subject Matter Experts will perform quality control, correct errors, improve structure quality, and classify chemical concepts.
- System requirements:
    - DB-Maint, a java web-based system, allows efficient management of data flow.
    - PubChem and ChemIDplus team shall evaluate the replacement of Oracle database, for example, with PostgreSQL.

SIS Staff working on ChemIDplus

1. Jeanne Goshorn – Supervisory Tech Info Specialist, GS15, Chief of Biomedical Information Services Branch at SIS, COR Level 2 certified
2. Ying Sun – Computer Scientist, GS13, MS in chemistry, and computer science, current COR of ChemIDplus contracts, COR Level 2 certified
3. Meng Cheng (new hire) – Chemist, GS12, PhD in chemistry, MS in computer science, 15-year experience working on ChemIDplus

Cost Saving Considerations

	Status quo		New ChemID data flow	
Year 1	Contract 1 Interface software development database development	$235,000	Contract 1 Interface software development database development	$235,000
	Contract 2 Data & structure curation	$198,000	Contract 2 Data & structure curation	$198,000
	Contract 3 Database development	$20,000	Contract 3 Database development	$20,000
	Biovia	$10,000	Biovia	$10,000
	Oracle	$5,262	Oracle	$5,262
Year 1 Total		**$468,262**		**$468,262**
Year 2	Contract 1 software development	$235,000	Contract 1 data, structure curation, Subject matter experts (chemists)	$420,000
	Contract 2 Data & structure curation	$198,000	Contract 2 Database development	$20,000
	Contract 3 Database development	$20,000		
	Biovia	$10,000	Biovia	$10,000
	Oracle	$5,262	PostgreSQL	$0
Year 2 Total		**$468,262**		**$450,000**
Year 1-2 Total		**$936,524**		**$918,262**

Conclusion

Outcome for PubChem

- ✓ ChemIDplus serves as the “curated arm” of PubChem
- ✓ Inconsistent and erroneous PubChem data is corrected/validated in ChemIDplus, allowing the latter to serve as PubChem’s vetted core data, thus improving PubChem’s overall data quality.
- ✓ Inconsistent and erroneous PubChem data is corrected/validated in HSDB, thus expanding and improving PubChem’s overall data quality

Outcome for HSDB

- ✓ More efficient and effective record building process via a new approach to support from contractors
- ✓ More efficient and effective record building process via a retooled scientific advisory process that advises solely on "data sources" and "data types"
- ✓ Significantly more data reviewed by senior subject matter expert reviewers
- ✓ Content becomes "branded"
- ✓ Technology and chemical informatics knowledge transfer from PubChem, replacing manual data extraction with machine data harvesting
- ✓ Collection exponentially expanded.

Outcome for ChemIDplus

- ✓ Collaborating with PubChem will improve the accuracy and consistency of the chemical structures
- ✓ Increase the collection of chemical records and structures
- ✓ Content becomes "branded"

Benefits for NLM

As noted by NLM Director Dr. Patricia Brennan, "The National Library of Medicine takes seriously the enormous public trust awarded us worldwide for the quality and integrity of our data and information."

Focused collaboration amongst these three widely-known and used NLM resources will contribute to the Library's Strategic Goal to "connect the resources of a digital research enterprise," to "accelerate the speed and precision of discovery," and to "become a platform for biomedical discovery and data-powered health."

Streamlining and modernizing how these offerings are built and maintained will appreciably benefit both the Library and its many users.

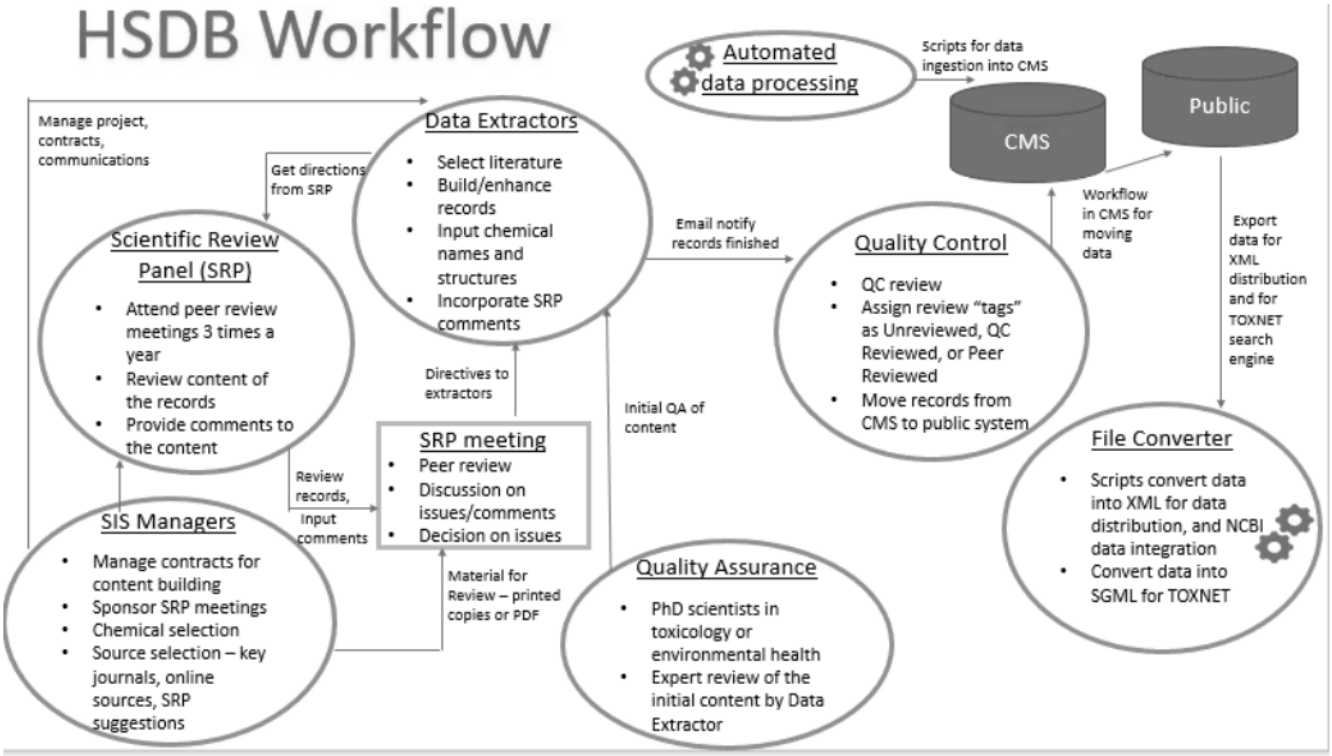
https://www.nlm.nih.gov/pubs/plan/lrp17/NLM_StrategicReport2017_2027.pdf

Proposed Management Structure

Having the three project teams in one organization will be optimal.

- ✓ Ease of management for contracts and employees
- ✓ Shared vision
- ✓ Shared resources
- ✓ Common technology platform
- ✓ Outreach and promotion to the same audience groups

Appendix 1. Current HSDB Workflow



From: Backus, Joyce (NIH/NLM) [E]
Sent: 26 Mar 2019 12:53:48 +0000
To: Babski, Dianne (NIH/NLM) [E]
Subject: FW: SIS/NCBI proposals
Attachments: HSDB PubChem ChemID intergration proposal.docx, ToxNet_Books_Recommendations_03052019.docx

It's the HSDB doc

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Tuesday, March 12, 2019 4:25 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>
Subject: SIS/NCBI proposals

Joyce, Ivor, Florence,

Attached are two proposals from NCBI about the suggested changes to the ToxNet dataflows for the end state after the transition. My understanding is that the authors, Stacy and Evan, have discussed these with Florence and her team, but I don't think we've really talked about this yet in our bigger group of affected divisions.

I think it's important for all of us to look these over, and see if this looks like a promising and reasonable direction to you all. Obviously there are plenty of details to still be worked out, but we didn't want to spend more time on it unless it looked like the direction you all wanted to go.

Jim

James M. Ostell, Ph.D.
Director
National Center for Biotechnology Information, NLM, NIH
NIH Distinguished Investigator
Bldg 38A, Rm 8N807
8600 Rockville Pike
Bethesda, MD 20894

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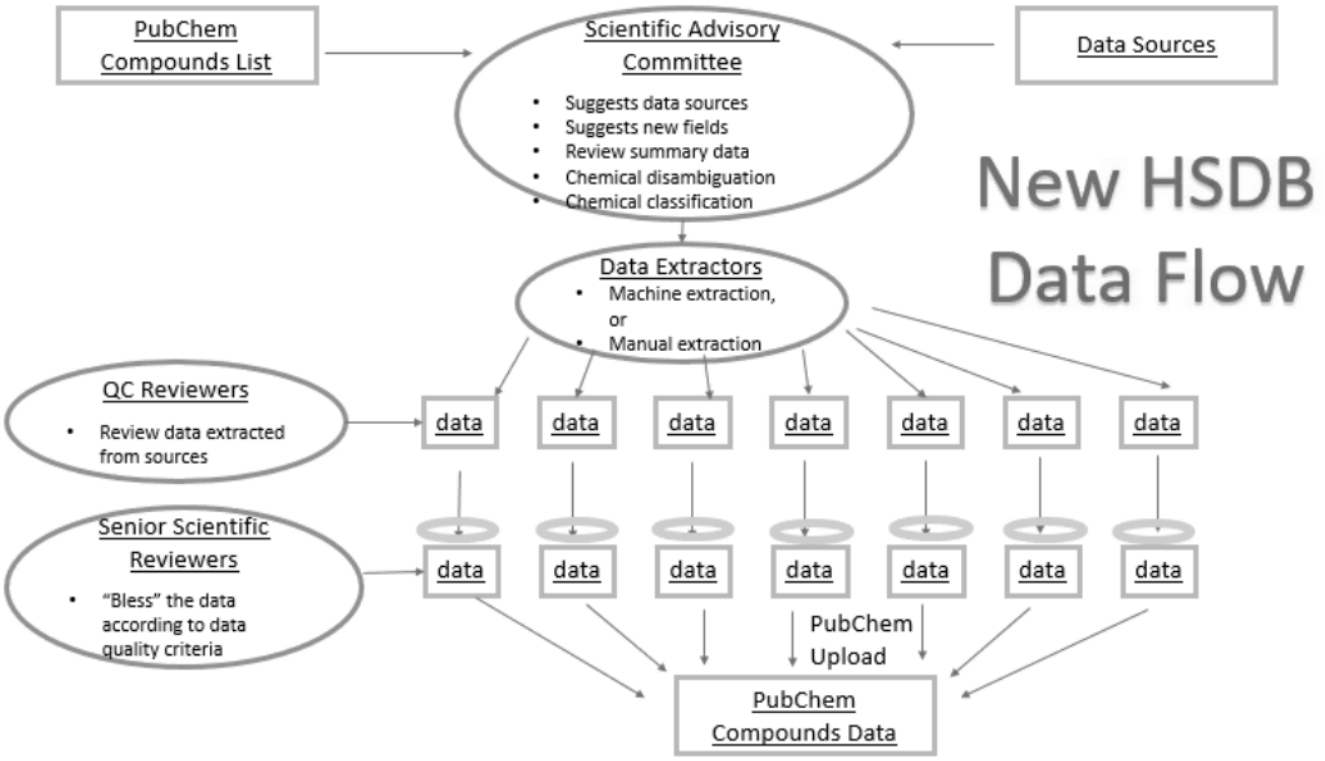

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ChemIDplus Data Flow to Support PubChem

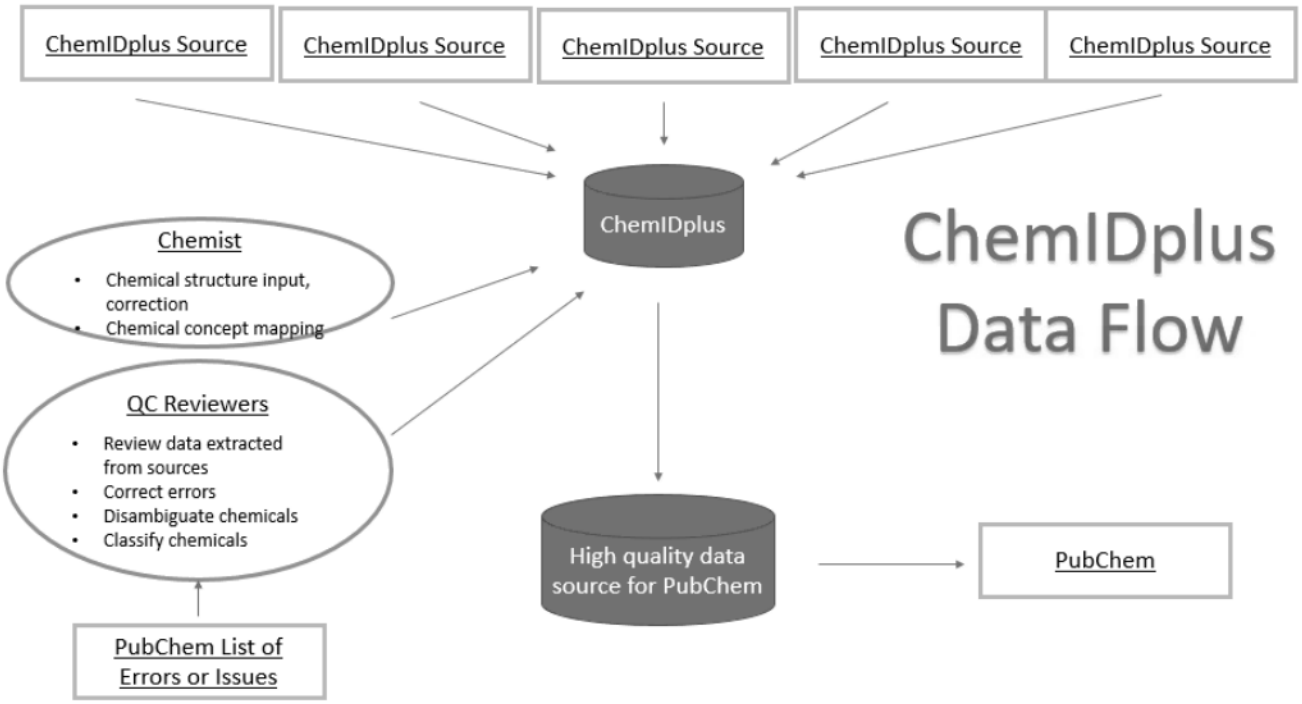

Figure 2. ChemIDplus data flow to support PubChem

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1. Jeanne Goshorn – Supervisory Tech Info Specialist, GS15, Chief of Biomedical Information Services Branch at SIS, COR Level 2 certified
2. Ying Sun – Computer Scientist, GS13, MS in chemistry, and computer science, current COR of ChemIDplus contracts, COR Level 2 certified
3. Meng Cheng (new hire) – Chemist, GS12, PhD in chemistry, MS in computer science, 15-year experience working on ChemIDplus

Cost Saving Considerations

	Status quo		New ChemID data flow	
Year 1	Contract 1 Interface software development database development	$235,000	Contract 1 Interface software development database development	$235,000
	Contract 2 Data & structure curation	$198,000	Contract 2 Data & structure curation	$198,000
	Contract 3 Database development	$20,000	Contract 3 Database development	$20,000
	Biovia	$10,000	Biovia	$10,000
	Oracle	$5,262	Oracle	$5,262
Year 1 Total		**$468,262**		**$468,262**
Year 2	Contract 1 software development	$235,000	Contract 1 data, structure curation, Subject matter experts (chemists)	$420,000
	Contract 2 Data & structure curation	$198,000	Contract 2 Database development	$20,000
	Contract 3 Database development	$20,000		
	Biovia	$10,000	Biovia	$10,000
	Oracle	$5,262	PostgreSQL	$0
Year 2 Total		**$468,262**		**$450,000**
Year 1-2 Total		**$936,524**		**$918,262**

Conclusion

Outcome for PubChem

- ✓ ChemIDplus serves as the “curated arm” of PubChem
- ✓ Inconsistent and erroneous PubChem data is corrected/validated in ChemIDplus, allowing the latter to serve as PubChem’s vetted core data, thus improving PubChem’s overall data quality.
- ✓ Inconsistent and erroneous PubChem data is corrected/validated in HSDB, thus expanding and improving PubChem’s overall data quality

Outcome for HSDB

- ✓ More efficient and effective record building process via a new approach to support from contractors
- ✓ More efficient and effective record building process via a retooled scientific advisory process that advises solely on "data sources" and "data types"
- ✓ Significantly more data reviewed by senior subject matter expert reviewers
- ✓ Content becomes "branded"
- ✓ Technology and chemical informatics knowledge transfer from PubChem, replacing manual data extraction with machine data harvesting
- ✓ Collection exponentially expanded.

Outcome for ChemIDplus

- ✓ Collaborating with PubChem will improve the accuracy and consistency of the chemical structures
- ✓ Increase the collection of chemical records and structures
- ✓ Content becomes "branded"

Benefits for NLM

As noted by NLM Director Dr. Patricia Brennan, "The National Library of Medicine takes seriously the enormous public trust awarded us worldwide for the quality and integrity of our data and information."

Focused collaboration amongst these three widely-known and used NLM resources will contribute to the Library's Strategic Goal to "connect the resources of a digital research enterprise," to "accelerate the speed and precision of discovery," and to "become a platform for biomedical discovery and data-powered health."

Streamlining and modernizing how these offerings are built and maintained will appreciably benefit both the Library and its many users.

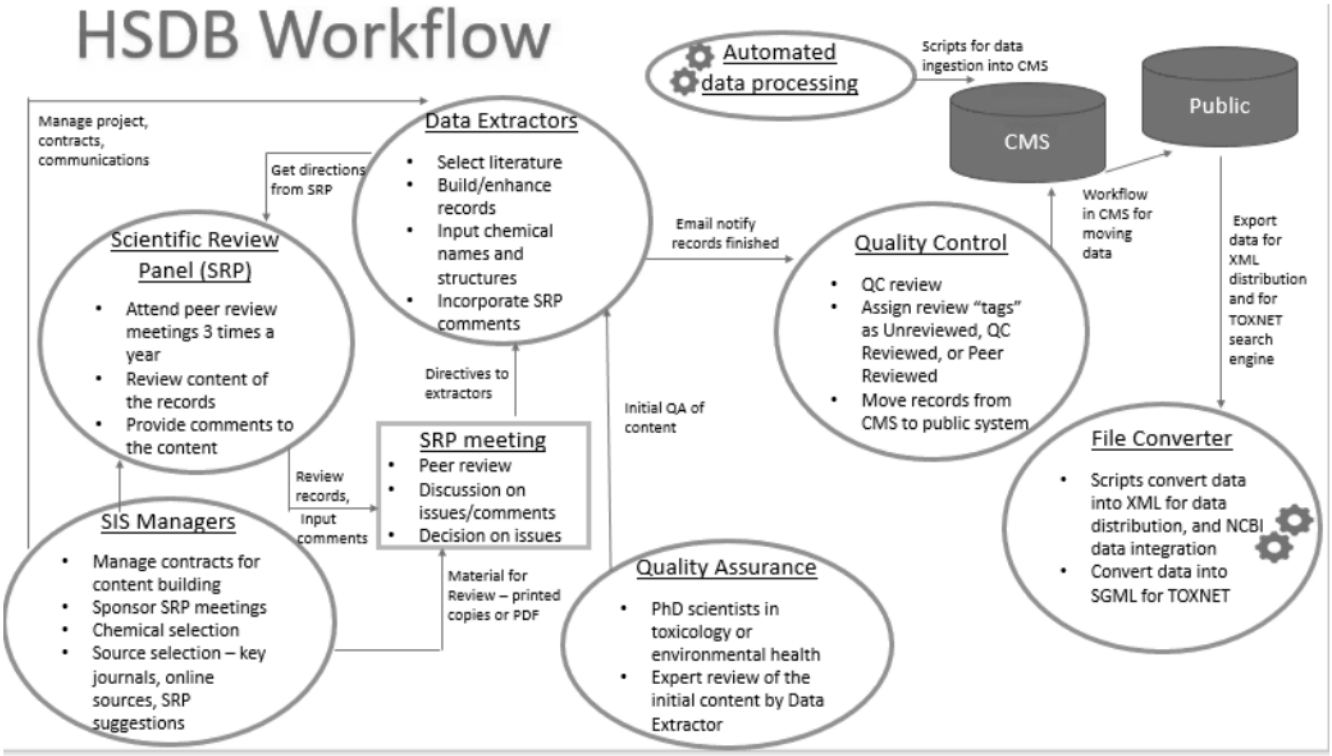
https://www.nlm.nih.gov/pubs/plan/lrp17/NLM_StrategicReport2017_2027.pdf

Proposed Management Structure

Having the three project teams in one organization will be optimal.

- ✓ Ease of management for contracts and employees
- ✓ Shared vision
- ✓ Shared resources
- ✓ Common technology platform
- ✓ Outreach and promotion to the same audience groups

Appendix 1. Current HSDB Workflow



SIS Full-Text Resources identified for Books

SIS has identified the six resources below as priorities to migrate to Bookshelf. The recommendations modified since February 2018 as well as the status of migrating the content follow:

Resource	Status
AIDSInfo Guidelines	Add pending technical quality of XML sample awaiting from contractors
IRIS	Add pending technical quality of XML directly from EPA – legacy data migrated through PDF conversion using interagency agreement and new and updated content deposited via EPA's own eXtyles configuration
ITER	Add pending legal issues concerning ownership of the content and that ITER can submit directly to Bookshelf using Books Word conversion workflow. NCBI will do a one-time conversion for legacy data, either by XSLT script if we can receive well-formed, valid data or by sending to a vendor. Books is also working directly with TERA collaborators to have them submit their full text toxicological reviews (summarized / compared in ITER) directly to Books as XML. – IARC and NTP currently submitting; ATSDR developing software to submit XML; RIVM exploring how to submit XML directly.
LactMed	Already in production in Books via FTP submission of XML from SIS. If SIS CMS is retired, new and updated files should be submitted directly by NLM-contracted author to Books using Word workflow.
LiverTox	NIDDK has agreed to take on ownership of this content and to submit new and updated files to Bookshelf using Word workflow. NCBI will do a one-time HTML to BITS XML conversion for legacy data. The agreement is currently being discussed so work can begin.
PubMed / PubChem Integration Tasks	**Status**
Provider text extraction of chemical information	Initial discussions with some content providers and tagging vendors about ideal markup of chemical data; ability to implement dependent on content providers and tagging vendor negotiations of level of effort to vendor and costs to content owner, and Books technical review of any resulting XML submissions
Books text extraction of chemical information	Scripting developed for SIS CMS-Books LactMed workflow. Discussions with PubChem about their text extraction and tagging tools
Data indexing in PubMed / PubChem of chemical information	Initial planning discussions for possible implementation starting in summer 2019, dependent on level of effort and developer resources

AIDSInfo Guidelines

This is excellent content and we are in the process of migrating it to Bookshelf. ICF, the contractor responsible for maintaining the SIS site, has provided Books with XML samples. Books has provided structural feedback on these samples that ICF is in the process of addressing.

IRIS

EPA's Integrated Risk Information System publishes assessments of health hazards of chemicals found in the environment as PDFs. SIS is currently copying and pasting the content in these PDFs into their website, with large delays (2 years or more) between the time the assessments are released and updated and the time they are made available or are updated in the TOXNET version of the EPA site. The source data in the TOXNET database is SGML of unusable quality with no DTD included. To address the issue of delay and poor data quality, Bookshelf is in discussions with EPA to directly submit XML for their toxicological reviews. They are working to adapt an eXtyles software configuration to produce BITS XML for their content. We are also discussing a pilot to convert their legacy content from PDF to XML so that there is a target XML sample for the eXtyles software development. To pay for those conversions, we are looking to adapt the current interagency agreement with EPA to process manuscripts to also include this book content. If EPA is unwilling to cover the conversion costs, to migrate the entire collection of 550 assessments by converting from PDF, would be approximately $44,000 (11,000 pages/$4page). I expect it would take 3-6 months to migrate the content using this process, and at least 1 or 2 FTE to QA it over this period. It appears there are 20 assessments under development, so future conversion costs would be roughly $1600 a year (400 pages/$4page) if EPA is unable to develop their own conversion software.

ITER

ITER (International Toxicity Estimates for Risk) is a free Internet database of human health risk values and cancer classifications for over 680 chemicals of environmental concern from multiple organizations worldwide. It is managed by TERA (Toxicology Excellence for Risk Assessment) currently based at the University of Cincinnati. Our scientific reviewer identified some past ethical concerns about TERA regarding legal ownership of the content, that should be fully addressed by NLM and the University of Cincinnati before we accept this content. We also need to address technical and workflow issues before we agree to migrate this content, including an assurance that the content is being regularly maintained and updated, and that we can BITS XML directly from the content owner using the Books Word workflow. If the content owner provides new and updated content via Word, NCBI will do a one-time conversion for legacy data, either by XSLT script if we can receive well-formed, valid data (which will take a technical specialist approximately six weeks or possibly by sending to a vendor if they can convert HTML or text to BITS (~800 records/$4page at $3,600). The current XML generated from the SIS CMS does not meet Books technical standards (including that it does not validate and is not well-formed). In addition to migrating the SIS ITER content, Books has or will work directly with TERA collaborators to have them directly submit their full text toxicological reviews directly to Books in XML. This includes IARC (all monographs are currently included in Books), NTP (all six of their series including the Report on Carcinogens), ATSDR (a portion of their legacy profiles are in Books and they are developing software to submit the rest of their content), RIVM (exploring the ability to submit their ConsExpo Fact Sheets as XML).

LactMed

LactMed contains information on drugs and other chemicals to which breastfeeding mothers may be exposed. This content was migrated to Books in the spring 2018 by building an XSLT converter to transform the SIS XML output from a CMS shared with HSDB to BITS. This process was time-consuming particularly as we needed to add scripting for content not included in the XML but generated via other processes. If the HSDB SIS CMS is retired, we should modify the existing contract with Phil Anderson

who authors the content to directly submit new and updated records to Bookshelf using Books Word template and conversion tools. If possible, this would include the additional data provided only in the SIS CMS, such as chemical structure image, related drug records, and synonyms.

LiverTox

LiverTox, produced in partnership with NIDDK, is a website aiming to provide a comprehensive resource for physicians and clinical / academic researchers who specialize in idiosyncratic drug induced hepatoxicity. After discussion with NIDDK and NLM leadership, NIDDK agreed to address scientific issues with the content and take complete ownership of it, including developing an advisory board and peer review process. NLM and NIDDK are working on a LitArch agreement to include this content in Bookshelf using Books Word workflow. NCBI will do a one-time HTML to XML conversion of legacy data that will take two to three months to complete.

Data Integration with PubMed and PubChem

1) Provider text extraction of chemical information

As possible work with content providers and their vendors to extract chemical information (such as CAS RN and synonyms) and tag it in structured keywords or other relevant elements to ease discoverability and integration of resources. Books has had discussions with Inera, the vendor many toxicology agencies are contracting with to modify a BITS eXtyles configuration for their content, to extract and tag this information per best practices. As other content providers onboard to the Books Word workflow, we will discuss if providers can easily add any of this additional data in our Word templates.

2) Books text extraction of chemical information

Adapt PubChem's text extraction and mapping tools for chemical, drug and disease names for toxicological and chemical resources in Books. As reasonable and reliable, modify XSLT converter scripts to add additional content type markup for key data tables or other such content so these data are machine readable.

3) Data indexing in PubMed / PubChem of chemical information

As necessary modify Books-PubMed scripting and PubMed DTD to support indexing of chemical information (e.g., keywords / MeSH, etc) in PubMed. Where feasible, work with PubChem as necessary, to build related links from these records to PubChem.

From: Backus, Joyce (NIH/NLM) [E]
Sent: 26 Mar 2019 14:32:15 +0000
To: Tybaert, Sara (NIH/NLM) [E]
Subject: RE: sis chem/tox products and Bookshelf review.

Wonderful. Thanks for attending.

From: Tybaert, Sara (NIH/NLM) [E]
Sent: Tuesday, March 26, 2019 10:30 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: RE: sis chem/tox products and Bookshelf review.

Thanks Joyce.
I have notes drafted for David as well based on the meeting and they correspond to your points below.

Sara

From: Backus, Joyce (NIH/NLM) [E]
Sent: Tuesday, March 26, 2019 10:26 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Tybaert, Sara (NIH/NLM) [E] <tybaerts@mail.nlm.nih.gov>
Subject: RE: sis chem/tox products and Bookshelf review.

David,
All very good questions! Many of them came up in the meeting yesterday to which I invited Sara so she could hear the debate. You can talk to her about it, but the main outcome is that Evan, with help from the team I'm sure, will be coming up with a new proposal to address many of the concerns you mention.

I clearly stated that the SIS staff are going to be part of LO and OCCS, not NCBI.

I would like more information about HSDB and what other similar products are out there. Bert said that we've done it for 40 years and there are other products, but was vague about overlap. Jim and I and others tried to overcome the "more is always better" approach clearly favored by some in the room who haven't had to manage resources very closely.

Dianne has a list of SIS contracts and is looking to map them to this chem/tox draft.

As far as bookshelf, we agreed with the recommendations in general, with emphasis that NLM isn't going to pay for content or technical work for bookshelf items.

Joyce

From: Gillikin, David (NIH/NLM) [E]
Sent: Wednesday, March 20, 2019 10:55 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: RE: sis chem/tox products and Bookshelf review.

Joyce

Attached is a copy of the HSDB/CHEMIDPLUS/PUBCHEM proposal from Evan. It has comments I've made – really questions that struck me as I read it.

In case you need some input from me while I'm on leave, here are some thoughts. Current emails sound like a meeting may be set up while I'm out.

1. LO needs a much better understanding of the current HSDB and ChemIdPlus workflows and systems in place. In particular, we need to understand the current systems in place and the contracts that support them.
    - The proposal suggests that both input systems need to be overhauled. LO needs to know the implications of having a contractor do this work, and how/if it fits into security and cloud issues.
2. There is a need for a timeline to identify how long the current HSDB and ChemIdPlus presentations systems are needed.
    - If PubChem is to be the primary presentation system in the long term, we need to know if HSDB and ChemIdPlus data can be easily filtered in order for users of these products to get to that specific data (since it is different from other data in PubChem).
    - It's not clear if ChemIdPlus will presented only by PubChem or if it's user interface will still be needed.
3. Background on the current HSDB contracts (there seem to be 2) and the ChemIdPlus contract is needed.
    - Long term we could see if these contracts need to be separate, and if any of them could include chemical data support for MeSH.
4. The scope of the current HSDB Scientific Review Panel (SRP) needs to be understood and how it is different from the proposed Scientific Advisory Committee (SAC), which sounds like a FACA. The idea of setting up a new FACA would require some serious review, and is probably not a simple thing to do (and definitely not simple to administer). There should probably be an LO/NCIB/SIS discussion about what is really needed and therefore what vehicle would serve this purpose.
    - We also need to know what the current review process is for recommending data sources to HSDB, what type of agreements must be put in place, and how any current agreement documentation is maintained.
5. The reporting structure for SIS staff still needs to be sorted out. I've tried looking at the SIS staff directory online (web version and SharePoint version). None of them are up to date, so I can't tell how many SIS staff are really involved in the chemical data or if the 5 mentioned in the proposal is it. For BSD, I also need to know what products and staff on the drug information side could be coming to BSD.

David

From: Backus, Joyce (NIH/NLM) [E]
Sent: Friday, March 15, 2019 1:24 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: RE: sis chem/tox products and Bookshelf review.

Very helpful. Your early sense that we need to pivot to just grow this work, have you join, and not launch another group is right on.

After talking with Florence this morning for 45 min, I'm going to recommend that Jim, Florence and I have a meeting. Cold involve you and others. I think we will need a written response to their chem/tox proposal, so it would be great if you could think about what you would consider putting in that, considering the email conversation. I think Books is fine.

From: Gillikin, David (NIH/NLM) [E]
Sent: Friday, March 15, 2019 1:16 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: sis chem/tox products and Bookshelf review.

I talked with Stacy Lathrop today about the Bookshelf review work that had been by NCBI in the past year. This work is mentioned in the reports on the NCBI/SIS Toxnet working group wiki.

They did a full review, including the concept of whether they should take the content at all for each SIS Tox/Chem product. Basically, they determined if BookShelf should take the retrospective content (already in the SIS product and would need to be converted) and if they should take the content prospectively. The review identified that the SIS products had useful content, and determined the issues and/problems that would need resolution.

The prospective content idea requires that the source provided be responsible to meeting the standard BookShelf requirements, including providing acceptable XML data at the provider's cost. The source provider is treated like any other standard BookShelf content provider. This part wasn't clear stated in the documents on the wiki site, and clears up the potential costs for future content – the data provider has to carry that burden.

David

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 27 Mar 2019 13:40:36 +0000
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: Status of SIS sunset requests
Attachments: FORM REQUEST TO RETIRE NLM TOXMAP March2019FINAL.docx, FORM REQUEST to sunset CPDBrevFinal.docx

Florence,
Thanks for the updates. I've signed both sunset requests.

Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, March 26, 2019 3:47 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Status of SIS sunset requests

Jerry,

Please see the sunset plans:

1. CPDB – your edits accepted
2. TOXMAP – changes in response to your comments in 2 places, highlighted in yellow.

If they look ok, you can initial and date the document.

Thanks!
Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, March 21, 2019 12:48 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Status of SIS sunset requests

Florence,
I'm ready to approve the CPDB sunset plan with the edits I made in the document (attached).

I added a couple of questions/comments to TOXMAP that need to be addressed.

Thank you,
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Wednesday, March 13, 2019 10:51 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Status of SIS sunset requests

Jerry,

Please find the 2 attached revisions of the TOXMAP and CPDB sunset plans. The additional explanations in sections are highlighted in yellow. If you are OK with the revisions, we will start implementing the sunset protocols for these 2 resources.

Going forward, we will submit new sunset plans through the new web interface.

Thanks!

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:51 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Status of SIS sunset requests

Great – can you include that in the plan.

Thanks
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:34 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Re: Status of SIS sunset requests

Jerry,

Thanks for the feedback on TOXMAP sunset plan. We will post information on the home page now to direct users to the sources such as EPA.

It will be posted for the next 6 months. I think it is ample time before the planned sunset date.

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Tuesday, March 5, 2019 12:17 PM
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E]; Nurik, Jody (NIH/NLM) [E]
Subject: RE: Status of SIS sunset requests

Florence,
I'm OK with sunsetting TOXMAP. One item to clarify on the form. Will we post information on the NLM (Toxmap) website directing users to the EPA and other sources of the underlying information. I'd suggest we do so during some transition time.

Thanks
Jerry

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, February 19, 2019 9:55 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Status of SIS sunset requests

Jerry,

You approved sunset plan for CHIRR, ToxMystery, and GeneEd. We are working on Letter of Agreement with Society of Toxicology for them to take the archived version of ToxLearn. There are two remaining ones, ToxMap, and CPDB. We provided additional information and revised sunset plan, attached with this email. There will be two more plans, one for Arctic Health, and another one for American Indian Health, ready for you to review. Let us know if you want to wait for the new sunset system to go live to process these two new ones.

Thanks!

Florence

REQUEST TO RETIRE NLM TOXMAP

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) The US EPA now produces several GIS products and visualization applications (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality, except the ability to search TOXNET from within the GIS tools. This was a unique feature in TOXMAP-classic, which was retired due to the obsolete technology platform. The new version of TOXMAP does not have this feature either. To make the new TOXMAP to have this feature will require major investment in software development. We cannot justify the effort because the usage of this feature was very low, averaging about 400 searches a year.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) HFC 3/26/2019

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director JS 3/27/2019
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff. Identify who needs to be informed? (staff, contractors) SIS staff, NLM staff, NNLM staff and core set of dedicated users from the Public Health and Toxicology Communities.

1. Determine questions that may need to be addressed. These may include:
   What information needs to be provided? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now

provides several GIS products that provide similar GIS functionality of TOXMAP.

- When will the information be provided? **End of FY2019**
- By what method(s) will information be provided? Example: Email to all NLM staff Email, GovD posts, announcement on TOXMAP web site
- If multiple messages are to be sent, by what method(s) and with what frequency? Over a three-month period.
- Are there any potential areas for misunderstanding or concern? None except the non-technical users of TOXMAP may have a high learning curve to transition to the EPA GIS tools.

2. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? TOXMAP will be retired because the US EPA now provides several GIS products that provide similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) US EPA GIS applications and TRI applications; possibly NLM TOXNET TRI
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS.
    - What staff will be involved in this transition? Colette Hochstein
3. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):

    ☒ Emails

    ☒ Signage

    ☐ Information delivered at staff meetings

    ☐ Point of discussion at brown bag luncheons

    ☐ Town Hall meetings, etc.

    ☐ Other (Explain) Enter other mechanism(s)
4. Develop and attach a set of Talking Points for the NLM Director TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program. It will be retired at the end of FY2019. the US EPA now provides several GIS products that provide similar GIS functionality.
5. Does the NIH Director or other IC Directors need to be informed? Yes

    If Yes, check all that apply:

    ☒ The service is produced jointly with another IC or serves an audience of interest to the IC

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☒ Other (Please elaborate) NIEHS Director should be notified as NIEHS serves user communities that have interest in TOXMAP. SIS has also worked for many years with the US EPA regarding the data and functionality of TOXMAP. Their staff should be informed of its status.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other original sources. GIS application users can access them by overlaying the data in their GIS applications. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other sources. GIS application users can access them by overlaying the data to the maps. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS
    - How can I or how can my group be involved in this transition? Provide related information as needed.

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Colette Hochstein, Florence Chang

☐ Due date 9/30/2019

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
   - When will the information be provided? Starting Summer 2019)
   - With what frequency? Monthly
   - Are there potential areas for misunderstanding or concern? Probably not.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI. Links to direct users to these external data sources will be provided on the TOXMAP home page for 6 months prior to the sunset.
   - How will NLM respond to questions and comments? Staff will respond to questions received through customer service emails
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Name	Colette Hochstein, Florence Chang

REQUEST TO RETIRE CARCINOGENIC POTENCY DATABASE (CPDB)

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☒ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☒ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☐ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☒ Other (Please explain) The Carcinogenic Potency Database (CPDB) is an archival database with low and decreasing usage. It provides historical information from the years 1980 - 2011. It is no longer updated. It was created at the University of California, Berkeley, and when they no longer wanted to maintain access to it after it was no longer being built, they asked us to take it. CPDB reports analyses of animal cancer tests on 1547 chemicals. CPDB includes 6540 chronic, long-term animal cancer tests, both positive and negative for carcinogenicity, from the general published literature as well as the National Cancer Institute and the National Toxicology Program (NTP). Such tests were used in support of cancer risk assessments for humans. CPDB was developed by the Carcinogenic Potency Project at the University of California, Berkeley and the Lawrence Berkeley National Laboratory. The usage of CPDB has consistently dropped over the past years to 0.007% of TOXNET usage in FY2018. Of TOXNET's 27,582,034 page views in FY2018, only 1930 page views were for CPDB.

II. **Approval.** This form must be signed by:

- **NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD)** HFC 3/26/2019

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:

  NLM Director Initial Here Date

  NLM Deputy Director JS 3/27/2019

  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Staff are aware of the plan. Additional groups include NNCO, NNLM, and toxicology community via our listserv.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? That the CPDB was a resource taken from the University of Berkeley after they stopped supporting it and wanted an archival home for a few years. That the information will be available on NLM's ftp site for 6 months after sunsetting.
    - When will the information be provided? 5/31/2019
    - By what method(s) will information be provided? Example: Email to all NLM staff Post on database web pages, and send to OCPL for distribution.)
    - If multiple messages are to be sent, by what method(s) and with what frequency? One round
    - Are there any potential areas for misunderstanding or concern? none
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? The information is outdated and little used. It is not in a form that lends itself to conversion to Bookshelf)
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) The evaluated and annotated content, currently searchable on TOXNET, will no longer be available on TOXNET. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site. The citations of referenced literatures are available on PubMed.
    - What will happen to the staff working on the product or service? No staff resources used now
    - What staff will be involved in this transition? Florence Chang, Phil Thomas
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☒ Information delivered at staff meetings
    - ☐ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☒ Other (Explain) listserv
5. Develop and attach a set of Talking Points for the NLM Director The information is outdated and little used. It is not in a form that lends itself to

conversion to Bookshelf). The resource was a labor intensive one developed by Berkeley staff and transitioned to NLM when UC Berkley terminated the project. This resource is not in a format that can be converted to another NLM database or Bookshelf. The data will remain available on NLM's ftp site.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☐ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? The information is outdated and little used. Cannot be converted to new format for TOXNET move to NCBI.
   - What content, if any, will still be available and, if so, why and where? The data will remain available on NLM's ftp site. Journal literature on which it is based is still available via PubMed.
   - What will happen to the staff working on the product or service? No staff work on this other than routine IT deployment /support issues .

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? The resource is outdated and little used. It cannot be converted to a new format for other NLM databases or Bookshelf. The resource will be taken down from TOXNET end May 2019
   - What content, if any, will still be available and, if so, why and where? Journal literature on which it is based is still available in PubMed. The archived content will be made available in compressed format on NLM FTP server.
   - What will happen to the staff working on the product or service? No staff
   - How can I or how can my group be involved in this transition? Enter possible support option(s)

3. Identify what needs to be completed:

   ☐ Deliverables Specify

   ☒ Responsible party or parties for the sunsetting process TOXNET IT

   ☒ Due date 5/31/20195/31/2019

   Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☒ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
    - What information will be provided? Sunset of CPDB
    - When will the information be provided? Starting after approval
    - With what frequency? Enter frequency
    - Are there potential areas for misunderstanding or concern? no
    - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? Journal literature on which it is based is still available in PubMed. The archived content will be made available in compressed format on NLM FTP server.
    - How will NLM respond to questions and comments? Email via customer service system
    - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Jeanne Goshorn Jeanne.goshorn@nih.hhs.govJeanne.goshorn@nih.hhs.gov

From: Huerta, Mike (NIH/NLM) [E]
Sent: 27 Mar 2019 18:30:17 +0000
To: Tam, Sara (NIH/NLM) [C];Young, Constance (NIH/NLM) [C]
Subject: Please print
Attachments: MITRE Initial NPA Lessons Learned_DRAFT v7 (002).docx, 4.a.2 NPA NLM Portfolio Metamodel v1.0.docx

Just one copy of each – double sided.

Michael F. Huerta, Ph.D.
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Prepared for:

Department of Health and Human Services
National Institutes of Health

CMS Alliance to Modernize Healthcare
Federally Funded Research and Development Center

Strategic Support for National Library of Medicine

Task Order No. HHSN276201800082U

Informal Deliverable

NLM Initial Portfolio Analysis (NPA): Recommendations and Lessons Learned

March XX, 2019

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DRAFT

Record of Changes

Version	Date	Author / Owner	Description of Change
1.0	March XX, 2019	M. Ijagbemi, B. Melby / CAMH	Version 1.0 for release to Sponsor

Executive Summary

Between July 2018 and February 2019, the MITRE Corporation was engaged by the National Library of Medicine (NLM) to conduct an initial NLM portfolio analysis (NPA) to help understand the scope and diversity of NLM's public-facing offerings (i.e., products and services). This document provides recommendations for future NLM portfolio analyses with a focus on improving data collection. This document also describes stakeholders' perspectives about the effort.

The NPA was designed to achieve the following goals:

- Establish baseline presentation of NLM offerings.
- Ensure alignment between NLM offerings and strategic priorities.
- Create a framework for standardizing reporting on performance of distinct offerings.
- Provide performance data to support organizational planning and informed decision-making.
- Enable presentation of NLM's value and performance inside and outside NIH.

The NPA methodology for collecting baseline portfolio data involved executing portfolio data requests to key stakeholders within NLM organizations[1] (e.g., Divisions, Offices). Information sought was intended to fulfill NLM executive leadership's initial need for an inventory of all NLM offerings and a dashboard presenting basic offering information such as each offering's name, division ownership, total approximate delivery costs, and alignment to the NLM Strategic Plan.

The MITRE team employed a collaborative process to design and execute NPA data calls. Stakeholders were prepared through introductory briefings describing NPA goals, objectives, and methodology. Furthermore, data call planning meetings were held during which stakeholders provided their input regarding proposed data call attributes, tools and templates. Close stakeholder involvement enabled MITRE to design a viable baseline process for gathering initial portfolio information.

The NPA produced the following notable results:

- Assembled the first complete inventory of all NLM public-facing offerings.
- Estimated NLM expenditures by offering.
- Designed and populated a prototype NLM dashboard to visualize novel views of NLM's portfolio.
- Designed a flexible portfolio framework that NLM can evolve with its PfM priorities.
- Developed recommendations for immediate and long-term NLM actions to continue building NLM portfolio management capability.

After initial NPA activities concluded in February 2019, MITRE evaluated the overall NPA approach for the purpose of documenting lessons learned and formulating recommendations from its facilitator perspective. MITRE also engaged stakeholders again to gather their perspectives on NPA benefits and challenges. Integrating this learning into future NLM portfolio

[1] NPA data covers the following NLM organizations: Division of Extramural Programs, Division of Library Operations, Division of Specialized Information Services, Lister Hill Center for Biomedical Communications, National Center for Biotechnology Information, Office of Computer and Communication Systems, Office of Communications and Public Liaison

analysis activities will improve portfolio dashboard data quality, accuracy, comparability, and usefulness.

Recommendations to Improve Future NLM Portfolio Analyses

1. **Validate NLM Portfolio Dashboard value to providing essential information for important, recurring management decisions.**

Continuing efforts to improve dashboard usefulness should start by validating whether the data currently presented helps address leadership's most pressing management questions.

2. **Address problematic data attribute definitions and values in order of priority; determine priority based on their importance to recurring management discussions and decisions.**

Additional NLM discussions across NLM are needed to standardize the definition and application of portfolio data attributes. More certainty about the attributes' validity will increase the dashboard's utility. Work in this area should prioritize the attributes in direct support of management decision-making. Non-essential data should be set aside until its value has been confirmed with leadership.

3. **Increase the time allotted for the next portfolio data call to acknowledge the complexity and still experimental nature of the activity.**

Turnaround times for future data calls should be determined in consultation with stakeholders. Stakeholders' can draw upon their baseline experience when advising NPA managers on the level of effort and time needed to respond completely and accurately.

4. **Adapt the Technology Business Framework (TBM) to NLM to facilitate data collection about IT and non-IT costs in a way that meets NLM's information and reporting needs.**

More comprehensive, logical TBM sub-Towers will enable stakeholders to more easily assign costs and minimize data inconsistencies. In addition, TBM modifications can provide a method for capturing expenditure data about NIH Taps which is not accounted for in the baseline NPA.

Stakeholder Perspectives on NPA Outcomes and Recommendations for NPA Modifications

Stakeholders overwhelmingly expressed that the NPA was valuable for its potential to help support management decisions such as:

- Conducting cross-NLM organizational consolidation and streamlining.
- Undertaking functional analyses. In allocating staff time to activities, divisions gave thought to how staff split their time and this information may highlight opportunities for functional efficiency.
- Identifying opportunities to consolidate or group similar offerings.

Stakeholders suggested several improvements to the prototype NLM portfolio dashboard such as including other views, incorporating existing offering metrics such as usage information, elaborating on customer information, and grouping similar offerings. Stakeholders also offered minor dashboard design suggestions to improve usability such as adding totals to bar charts, a Clear All button to remove applied filters, and a search box option to search for words.

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1. Recommendations to Improve Future Portfolio Analyses

The following are recommendations to improve future portfolio analysis execution. Recommendations address methodology steps provide ripe for improvement based on MITRE observations and stakeholders' feedback. For an overview of the NPA methodology and steps, please refer to Appendix A.

1. **Validate NLM portfolio dashboard value to providing essential information for important, recurring management decisions.**

Improves NPA Execution Steps…
❑ *Confirm assessment priorities* ❑ *Determine key business information to be derived from portfolio metrics* ❑ *Research portfolio metrics and attributes (aligned to key information needs)*

Continuing efforts to improve the dashboard should start by validating whether the data currently presented helps address NLM leadership's most pressing management questions. NLM Portfolio Dashboard Version 1.0 is designed to visualize general offering overview information. Baseline data collected helps leadership answer fundamental questions about the scope, cost, and characteristics of NLM's portfolio. NPA stakeholder feedback revealed their interest in having access to additional offering data to support strategic management such as improving operational efficiency by identifying opportunities to consolidate or sunset offerings. For more information on this feedback category, please refer to Section 3.3.1.

2. **Address problematic data attribute definitions and values in order of priority; determine priority based on their importance to recurring management decision-making.**

Improves NPA Execution Steps…
❑ *Develop inventory attributes (e.g., NLM portfolio metamodel)* ❑ *Develop proposed set of portfolio metrics and attributes* ❑ *Test, modify (as needed) and finalize portfolio framework and attributes*

While the baseline dashboard successfully presents a common data set data across all NLM offerings, data consistency and comparability are deficient. Stakeholders' differing interpretations of data attributes and/or their values produced non-normalized data that is not reliable for decision-making purposes. Consequently, more work is needed to standardize the definitions for and application of data attributes. More certainty about attributes' validity will increase the dashboard's utility.

Based on baseline NPA experience, collaboratively defining and testing attribute definitions and values is time-consuming and requires input from many parts of the organization. Work in this area should therefore prioritize the attributes directly related to supporting management decision-making. Required federal agency reporting should also be considered in the event portfolio reporting should relate to these requirements. Non-essential data should be set aside until its value has been confirmed with leadership. Consensus on management needs should drive changes to attributes used for future portfolio analyses.

When NLM takes up the work to reexamine NPA attributes, the following specific recommendations by attribute should be considered:

- *Offering Name* – Improve the definition of what constitutes an offering, define the expected level of granularity of an offering, and standardize the criteria by which divisions identify offerings.
- *Offering Type Name and Values* – Review the Offering Type attribute to confirm if the attribute and its values are useful for understanding NLM's portfolio and making management decisions.
- *Offering Mechanism Type Name and Values* – Review the Offering Mechanism Type attribute and its values to determine: (1) Is the information is helpful to answering NLM portfolio questions?; and (2) If Yes, should values be modified to reflect other forms in which NLM offerings are provided to users?
- *Customer Type Values* – Standardize the list of Customer Type Name values bringing in other NLM working groups' discussions on this topic. In addition, account for specific customer types needed to meet federal reporting requirements.
- *NLM Strategic Plan Alignment* – Establish criteria for aligning offerings to the NLM Strategic Plan as well as a process for validating the proposed alignment.
- *Resource Type Name* – Elaborate on, define, and communicate the resources concept to data call stakeholders to minimize confusion.
- *Mandate Type Values* – Establish a standardized values list for Mandate Type as well as the formats to be used for submitting mandate references.

For more information on issues with attribute definitions and their use, please refer to Section 2.

3. Adapt the Technology Business Framework (TBM) to the NLM to facilitate data collection about IT and non-IT costs in a way that meets NLM's information and reporting needs.

Improves NPA Execution Steps…
❑ *Develop data call inventory tools*
❑ *Analyze portfolio data*

TBM originated in the commercial world, and the Office of Budget and Management has yet to issue guidance on how federal agencies should apply the framework to account for expenditures specific to the federal world. If applied As-Is, the framework's Towers and Cost Pools exclude some types of federal expenditures. The NPA exposed this problem firsthand, and the financial data call expenditure categories tried to overcome the mismatch by adding expenditure types outside the scope of the TBM Towers. For more information about how IT costs were estimated and allocated to TBM IT Towers, please refer to Section 2.2.3.

With new knowledge about how federal agencies are adapting TBM to capture the costs of meeting their mission, NLM can likewise modify how TBM is used to improve future portfolio expenditure data calls. More comprehensive, logical sub-Towers will enable stakeholders to more easily assign costs and avoid data inconsistencies. In addition, modifications can be made to capture NIH Taps which were not accounted for in the baseline NPA. Including NIH Taps in the future is important to establishing a more complete financial expenditure picture that shows the total cost of delivering NLM offerings.

4. Increase the time allotted for the next portfolio data call which acknowledges the complexity and experimental nature of the activity.

Baseline portfolio data was obtained via two, consecutive data calls – the first to gather general offering information, the second focused on collecting offering estimated expenditure

information. Stakeholders were given approximately 3 weeks to complete each data call. For both data calls, additional time was needed to answer stakeholders' questions and conduct extensive quality reviews.

Improves NPA Execution Steps…
❑ *Disseminate phased data calls*

Turnaround times for future data calls should be determined in consultation with stakeholders. Stakeholders' can draw upon their baseline experience when advising NPA managers on the level of effort and time needed to respond completely and accurately using the templates provided. For more information on stakeholders' feedback on NPA data call processes, please refer to Section 3.3.3.

2. NPA Execution Challenges

The NLM portfolio metamodel construct was the starting point for identifying data attributes for data calls. While the general construct met the needs of the NLM leaders involved in its development, data call respondents drew attention to data quality issues and raised questions about the significance of some attributes. These issues are summarized below:

- Data Quality – The lack of both a shared understanding and consistent application of attribute definitions across NLM organizations resulted in non-normalized data. This issue impacts NLM's ability to compare portfolio data from different NLM organizations.
- Data Significance – Data call results for some attributes revealed that the information collected was less important than expected and, in some cases, not needed to understand NLM's portfolio. These results highlight some attributes that could potentially be excluded or replaced in future portfolio data calls.

2.1 Data Attribute Quality

Overwhelmingly, representatives stated that the purpose of and definitions for data attributes need to be clarified going forward. Challenges *by attribute* are described in this section.

2.1.1 Offering Identification

Challenges

- Use of "public-facing" within the definition of an "offering" excludes offerings that serve a narrower, NIH-only community.
    - Several potential OCCS offerings were excluded because they do not serve the public. For example, Scientific Collection is not public-facing but the tool is used outside of NLM.
- EP Extramural Grant Program did not fit the definition in any way.
- Divisions internally used different criteria to identify their offerings, resulting in offerings with differing granularity levels. Stakeholders noted that results might have been improved by first 'sampling' the offerings from each division and assessing how each division defines its offerings. Table 1 below summarizes the different criterion used by divisions to identify their offerings.[2]

Table 1. Offering Identification Criteria Used by Divisions

Criteria	EP	LO	LHC	NCBI	OCCS	SIS
Core to what NLM does; important to explaining NLM's mission to key stakeholders				X		
Distinguishes different lifecycle phases serving different customers (i.e., different use case)				X		
Identifies activities that are part of the same research				X		
Indicates a group of tools that are complementary				X		
Level of priority/criticality to NLM mission				X		
Magnitude of cost/level of delivery effort		X				
Customer volume/usage						X
Name or "brand" recognition				X		
Political reasons		X		X		
Public-facing		X	X		X	
Provided through a website domain name						X
Similar customer constituencies served by similar/related services				X		
Similar or same metadata/source data used (e.g., dbSNP and dbVAR)				X		X
Similar resources used (e.g., digital collections)			X			X
Specific policy mandates for NLM or mandates resulting in specific funding allocations to NLM				X		

Other Considerations

- A separate offering should not be created for a tool that provides additional functionality for another offering.
- NLM's Continuity of Operations (COOP) list may need to be considered in the offering determination criteria.
- It may be more appropriate to treat some products/services as a resource instead of an offering so their importance to the delivery process is not overlooked.

2.1.2 Offering Types Name and Offering Mechanism Name

Challenges

- Respondents had trouble distinguishing between the Offering Type Name values and found definitions unclear or too broad. For example, there is a grey area between what is data and what is a digital service.
- Some felt that the names of the Offering Type Name values resembled the Mechanism Type Name values so it appeared the data was redundant.
- Respondents highlighted the need for additional Mechanism Type Name values beyond website access, API access, curated data FTP, and software. Two additional mechanisms, print media and interpersonal, were added to account for non-digital offerings. Examples include printed outreach materials and the library's physical collections of books and

[2] Criteria applied by OCPL are unknown due to the transition in OCPL leadership.

journals. MITRE was able to adjust during the NPA data call but the two new types identified during the NPA raise the question of whether the existing values for Mechanism Type Name are exhaustive.

2.1.3 Customer Type Name Values

Challenges

- For some offerings, it is not possible to know who customers are. Those offerings do not have API keys or require a user to register prior to using the offering.
- Existing methods for determining customers are problematic:
    - Annual user surveys only capture part of the picture of who is using offerings.
    - Using IP addresses is a flawed method for understanding customer composition. Information about a user attached to an IP address is assumed based on the address alone.
    - Customer information is not readily available. Sometimes, information is only gathered if the customer reaches out to NLM for assistance and NLM uses the interaction to learn more about the user and his/her use case.
- Respondents did not adhere to the Customer Type Name values originally identified for the NPA. New types were proposed, sometimes overlapping with one or more NPA values or a sub-category within a value. Standardization and normalization were therefore low for this attribute.
- MITRE learned only in the course of data call execution that a past NLM outreach functional analysis work group had worked on standardizing customer groups. The outreach customer list may have been a better launch point for developing the final NPA Customer Type Name values.

2.1.4 Resources (i.e., Business, Data, External, and Technical)

Challenges

- Terminology used to distinguish resource types evokes a different understanding of the resource depending on respondents' backgrounds. Examples:
    - Business: Many stakeholders equated a business resource with a functional group or organizational team whereas the intent was to identify key business processes involved in producing offerings.
    - Resource: In the project management discipline, a resource generally refers to one or more staff.
    - Technical:
        - "Technical services" is a library discipline and not associated with IT.
        - Using "technological" versus "technical" implies a focus on the technology rather than systems, IT processes, etc.
        - Adding "IT" to "Technical Resources" may be confusing for some because IT is thought of in terms of IT operations.
- Respondents were unable to categorize key resources (e.g., books) using the resources categories and definitions provided.

- Respondents also described that it was difficult to think of the technical resources from other divisions to which their offerings tied. For example, while a list of technical resources was provided, respondents did not always know which values to select.
- Definitions did not specify the level of granularity needed.

2.1.5 NLM Strategic Plan Alignment

Challenges

- Aligning individual offerings to NLM Strategic Plan elements (i.e., goals, objectives, and initiatives) was a subjective process for data call respondents.
    - Alignment criteria was not provided and there is a not a process in place to validate alignment results.
    - Guidance is needed regarding whether an offering can align to more than one goal, objective, and initiative at a time (i.e., not mutually exclusive).
    - Guidance should further cover whether offering alignment should be made to the lowest element of the plan (i.e., initiatives) or can remain at a higher level (e.g., goal) without attribution to an objective or initiative.
- The quality of strategic alignment selections is not consistent across NLM organizations. For some organizations, it was easy to align their activities to the NLM Strategic Plan because they had been asked to do so for other NLM data calls. For others, the NPA data call was the first time the question had been posed and respondents did not have the benefit of time to research and validate the alignment.

2.1.6 Mandate Alignment

Challenges

- Some offerings do not fall under one specific Congressional mandate other than a Congressional mandate for the existence of an NLM activity (e.g., Lister Hill Center).
- The short turnaround time for the NPA data call did not allow enough time to research an offering's mandate source. As a result, respondents provided broad authoritative references, used the "unknown" category, or left this section blank when completing the data call. The dashboard illustrates this problem because "Unknown" and blank responses were combined under the category "Unknown or Not Identified".
- Mandate references provided by respondents were not always vetted by division leadership to ensure accuracy. Consequently, in some cases, the information was incomplete or incorrect making it difficult to trace an offering back to an actual mandate.
- The Mandate Type Name values did not distinguish between Congressional mandates and federal regulations. The difference between these two categories needs to be accounted for.
- The "NLM Internal" Mandate Type Name value is too broad. As a result, final data is too high-level to be useful.
- Respondents did not have a way to indicate when an offering was mandated by a previous strategic plan that is no longer being executed.

2.1.7 General Comments – Attribute Values

Challenges

- Attribute value lists were inconsistent in terms of level of detail (i.e., Technical Resources), did not exist (i.e., Business Resources), or not aligned to lists already in use (i.e., Customer Types).
- The lack of definitions for attribute values created "grey areas" for those trying to respond to data calls.
- Offering attribute values (i.e., final inventory list of Offering Names) changed multiple times after the data call deadline, resulting in rework. Rework was particularly acute for OCCS, which weighted cost allocations using the total number of OCCS-supported offerings.

2.2 Financial Information (FY18 Estimated Expenditures)

2.2.1 General Comments – Data Call Execution

- Divisions reported a balanced budget though were not required to do so for the data call. Reported estimated FY18 expenditures roughly equaled each division/office's FY18 budget. The budget included external funds received through interagency agreements, etc.
- Divisions used a separate spreadsheet to record their allocation percentages and calculate totals.
- Representatives felt the turnaround time proposed for the financial data call did not account for its complexity. The level of effort was particularly high for OCCS and NCBI, which not only reported estimated expenditures by type but further broke down expenditures by TBM Towers. The added layers of reporting required significant research and effort within those organizations.
- One respondent pointed out that NLM contracts are usually tracked by CAN. Assigning a CAN or other financial code to each offering would facilitate associating costs to offerings. Then, it would be possible to run a budget report on each offering.
- The methodology for distributing OCCS shared IT costs to all divisions was not equitable or understood fully by division stakeholders.

2.2.2 Expenditure Types

The expenditures data call asked respondents to allocate estimated total division costs for non-IT expenditures, and then IT expenditures based on the TBM IT Towers[3].

Table 2. NPA Non-IT and IT Expenditure Categories

Non-IT Expenditures	• Federal Salaries (Programmatic/Operational) • Contract Salaries (Programmatic/Operational) • Service Contracts (Offering-Specific)

[3] NLM modified the TBM IT Towers for the NPA data call by adding "Platform" and omitting "End User" and "Output."

	• Other Support Costs (e.g., Administrative Overhead, Supplies, Travel, Training) • Grants
IT Expenditures – Modified TBM Towers	• Application • Compute • Data Center • Delivery • IT Management • Network • Platform • Security & Compliance • Storage

Approaches

MITRE collected feedback from data call respondents regarding the approaches they implemented to provide financial data for the abovementioned expenditure categories. Implementation approaches varied across divisions. Approaches are summarized in the table below.

Table 3. Cost Allocation Approaches Employed by Divisions

COST CATEGORIZATION APPROACH	EP	LO	LHC	NCBI	OCCS	SIS
Estimated Non-IT Expenditures						
Actual federal and contractor salary costs used; individuals' salaries mapped to offerings using approximate percentages, or actuals when available	X	X	X	X	X	X
Administrative staff salary allocated cost equally across offerings		X	X			
Other Support Costs allocated to all offerings according to total offering expenditures as a percentage of total expenditures			X			
RMS cost included in *Other Support Costs*[4]	X					
Admin staff included in *Other Support Costs* and divided equally across the division's offerings						X
Core operations included in *Other Support Costs* and divided equally across the division's offerings						X
Estimated IT Expenditures						
IT salaries split between *Federal Salaries* and *IT Tower totals*					X	
IT salaries included only in IT costs		X				
Federal programmers excluded from IT services and included in the *Federal Salaries*. Salary costs then allocated across offerings based on an approximate percentage of programmers' LOE						X

Challenges

[4] EP was the only Division to include RMS expenditures in their totals.

Non-IT Expenditures

- The cost build-up excluded the cost of external systems though they are important to getting the work done (e.g., EP reliance on NIH systems). These costs do contribute to NLM's investment in offering delivery and should be accounted for.
- Inconsistencies appeared in how divisions treated RMS costs. These costs were accounted by EP in their totals but not by any other division.

IT Expenditures

- The definition of "IT Internal Services" did not include labor costs. Respondents reported that this caused confusion when completing the data call. Labor associated with an IT service was sometimes accounted for in the non-IT expenditure lines for *Federal or Contractor Salaries* but, in other instances, it was included in an IT Tower total.
    - *OCCS Approach*:
        - Labor is included in IT Towers and allocated to offerings using a rough percentages approach for the following Towers:
            - Data Center
            - Network
            - Compute (inclusive of End User costs)
        - Labor was reported in the *Salaries* totals for all other IT Towers.

2.2.3 TBM IT Tower Allocations

In the situation where a division manages IT services, the division independently determined its approach to estimating expenditures by IT Towers and then allocating Tower costs to individual offerings. Overall, divisions made their best cost estimations given the data available to them, their understanding of the IT Towers, and time constraints.

The following sections outline the principal approaches used to allocate costs first to IT Towers and then to offerings.

Application

Challenges

- No labor is included in OCCS-reported Application costs because of confusion about IT Tower definitions previously described in this report.

Application

Challenges

- No costs appear in Application because labor hours appeared separately in Labor lines.

Services and Software

OCCS Approach – Actual mapping of software cost to the offerings that use the software

Compute (including Desktop and Systems Compute)

OCCS Approach – Allocation across OCCS-supported Divisions based on number of computers/devices assigned to those Divisions.[5]

[5] OCCS supports desktop applications for many NLM organizations but does not support LHC and NCBI.

Comment [A]: For OCCS (Rex) – To which Tower does this feedback apply

Challenges (OCCS Perspective)

- NLM's adaption of the IT Towers excluded the End User IT Tower. This Tower is needed to distinguish between types of IT costs.

Data Center

OCCS Approach – Allocation based on power consumed by each Division.

Challenges (OCCS perspective):

- Calculating total power consumption for LHC, NCBI and OCCS was not complicated. However, because other Divisions are a part of overall OCCS usage, an allocation had to be approximated for each Division. The result is that costs allocated to SIS, EP, LO, and OCPL (all OCCS-supported Divisions) were somewhat determined more arbitrarily. OCCS calculated the total data center cost for all OCCS-supported Divisions. An allocation was then calculated for each Division according to each Division's proportion of the total number of OCCS-supported offerings (i.e., weighting).
- The total number of offerings for OCCS-supported Divisions was in flux in the final stages of the financial data call. Because OCCS calculations relied on the total number of offerings, last minute changes to the offering list required a significant amount of OCCS rework to calculate allocations for OCCS-supported Divisions.
- EP was not directly allocated costs for the data center. The original rationale applied was that EP is not a direct consumer of the data center, but a subordinate consumer of such things as file storage.
- EP consumes a significant amount of NIH services. The cost of those services is found in the NIH "tap" but the NIH tap was excluded from the NPA.

Delivery

Approach – Unknown

Challenges – Unknown

IT Management

Approach – Unknown

Challenges – Unknown

Network

OCCS Approach – Allocation according to bandwidth consumption and number of firewall requests as the consumable

Challenges

- OCCS faced the same issues when allocating networking costs as were encountered in allocating data center costs. LHC, NCBI and OCCS power usage information was readily available whereas other Divisions' bandwidth consumption was a part of OCCS' total consumption. Ultimately, networking costs were assigned equally across offerings for OCCS and LO, while SIS, LHC, EP, and NCBI were done on a Divisions basis.
- Changes to the offering list during the financial data call resulted in more work for OCCS staff who needed the final number of offerings to allocate costs to OCCS-supported Divisions. Allocations were made in the same was as for Data Center costs: allocation

Comment [A]: For OCCS (Rex) – Confirm statement

according to each Division's proportion of the total number of OCCS-supported offerings (i.e., weighting).

- The name of the Division responsible for making a firewall request was not always available. The request is generally made by OCCS staff in response to a request from another Division staff. In the future, a methodology is needed for charging the cost of the firewall request to a specific offering, or to the technical resource that enables an offering.
- EP file and print usage were included in networking costs which may not be the appropriate IT Tower.

Platform

Approach – Unknown

Challenges – Unknown

Security & Compliance

Approach – Unknown

Challenges – Unknown

Storage

Approach – Unknown

Challenges – Unknown

Unknown

3. NPA Stakeholder Feedback

3.1 NPA Outcomes Achieved

Feedback from NPA stakeholders overwhelmingly documented positive outcomes from the initial NPA, listed below.

- Brought everyone together to think about the costs of delivering NLM offerings.
- Helps overcome organizational stovepipes.
- Exposes need for describing products and services consistently to enable comparisons.
- Introduced cost transparency where it did not previously exist.
    - Enables everyone to see how different divisions contribute to the cost of an offering. This cross-divisional perspective was not previously available, and the real cost of offerings was unknown. NPA provides relative cost information for the first time.
    - For the intramural research program, for example, produced an approximation of research costs because NPA forced managers to look at how staff split their time.
    - Provides cost information that is useful in planning the transition of an offering from one division to another.

- Provides a good overall view of divisions' activities through the list of offerings. This type of analysis should be regularly carried out by each division.
- Demonstrates Tableau-style reporting which has prompted some adoption of the reporting style at the division-level. For example, NCBI is using the cost allocations and further breaking them down to more granular levels.
- Provides a fuller picture of the value of divisions' offerings through NLM Strategic Plan alignment and target customer data.
- Provides the first easy to understand and navigate, visual, user-friendly presentation of NLM activities.

3.2 Portfolio Analysis Value

Stakeholders recognized the value of portfolio data for its potential to help support management decisions such as:

- Conducting cross-NLM organizational consolidation and streamlining.
- Undertaking functional analyses. In allocating staff time to activities, divisions gave thought to how staff split their time and this information may highlight opportunities for functional efficiency.
- Identifying opportunities to consolidate or group similar offerings.

Stakeholders also expressed support for sharing the dashboard with a wider group of NLM staff, the Board of Regents, and the research community. Stakeholders felt that the new viewpoint on NLM's portfolio would be of great value because nothing like it has previously existed. Its user-friendly format can augment these constituencies' understanding of NLM's mission and activities.

3.3 Stakeholder Recommendations

3.3.1 NLM Leadership and Management Information Priorities/Needs

Stakeholders provided the following suggestions for refining the scope of data for future portfolio data calls:

- Ensure that information requested does not duplicate existing reporting efforts (i.e., NIH Reporter).
- Align NPA IT expenditures data call with annual IT budget data call so that NPA supports this reporting need. This may require expanding some aspects of the data call in addition to improving NLM TBM implementation.
- Determine the granularity needed for reporting research activities:
    - Intramural versus extramural, including whether extramural grants should be further subcategorized (e.g., by subprograms).
    - NLM research areas/programs, possibly using the research categories as the Blue Ribbon Panel.

- Research versus application development versus operations and maintenance (O&M). The differences are highly "grey;" staff efforts often touch on all these activities.

3.3.2 Future Dashboard Improvements

MITRE documented stakeholder feedback on the baseline NLM portfolio dashboard tool to gain insights about desirable future dashboard modifications. Dashboard changes requests are summarized below.

Additional Views

- Offering-centric view – This view would show all the information about a given offering as opposed to having the information scattered across five different portfolio view tabs.
- Transitive dependencies view – This view would depict all the resources shared between offerings. For example, such a view would show that RefSeq and Sequence Tools are dependent on GenBank and, by extension, these offerings are dependent on all the resources on which GenBank.
- Portfolio health view – This view would show the difference between budgeted and actual expenditures.
- Division-specific view – This view would present data by NLM Division only.

Additional Information

- Usage measures (e.g., unique visitors), including possibly a compound metric for cost per usage. Usage information can help get a sense of an offering's "value."
- Information about how the offerings serve customers.
- Linkage between metrics from the outreach database and NLM offerings.
- Depiction of "like" offerings, e.g., programs containing similar offerings.

User Interface/Design Changes

- Add totals to the end of bar charts.
- Add a button that clears all filters with one click.
- Add a search box that allows users to search for specific keywords in the dashboard.

3.3.3 Other NPA Execution Feedback

Representatives voiced very few negative outcomes from the portfolio analysis. Concerns primarily relate to two execution issues:

- The amount of time and effort required to respond to the data call was insufficient given stakeholders' other priorities and responsibilities. Since the NPA required data not previously organized in the method requested, divisions needed more time to do complete their work.
- Background information on the portfolio metamodel components or guidance on how to apply the data attributes was not provided or explained in enough depth before kicking

off the data calls. Additional explanations would have shortened the learning curve and rework.

Stakeholders provided suggestions for improving communication during the planning and execution of future data calls and for sharing the results.

- Use Outlook for scheduling meetings by comparing proposed date/time with managers' schedule. It is important to get the right people together and sometimes those individuals were not present for the recurring NPA check-in calls.
- Consider alternative ways to share files instead of email. Options such as NIHbox.com or Confluence may be viable. Slack might be an option for alerting stakeholders about changes to a file, such as a change in a data call template or to the offering inventory list that impacts all NPA stakeholders.

Appendix A. NLM Initial Portfolio Analysis Methodology Overview

At a high-level, the NLM Initial Portfolio Analysis (NPA) followed the execution steps listed below. MITRE's review of these steps at NPA completion identified opportunities to improve how the methodology is executed in the future. Bolded, italicized steps indicate the areas for improvement.

Review NLM Strategy and Existing Service/Product Information
❑ Review NLM Strategic Plan and current portfolio management-related activities
❑ ***Confirm assessment priorities***
❑ Identify stakeholders
❑ Compile publicly available and internal information on NLM offerings
Conduct Inventory Assessment
❑ ***Determine key business information to be derived from portfolio metrics***
❑ ***Develop inventory attributes (e.g., NLM portfolio metamodel)***
❑ Conduct stakeholder interviews to get preliminary picture of NLM offerings
❑ ***Develop data call inventory tools and disseminate phased data calls***
❑ Conduct stakeholder follow up to validate/augment inventory data
❑ Produce baseline inventory
Develop NLM Portfolio Framework
❑ Develop portfolio framework (metamodel)
❑ ***Research portfolio metrics and attributes (aligned to key information needs)***
❑ ***Develop proposed set of portfolio metrics and attributes***
Analyze Portfolio Data
❑ Conduct data cleansing (offering basic information and FY18 cost information)
❑ ***Test, modify (as needed) and finalize portfolio framework and attributes***
❑ Develop dashboard presentation mockups and confirm dashboard presentation
❑ Integrate current portfolio data and provide final NLM portfolio dashboard
Communicate Analysis Findings
❑ Prepare recommendations and Executive Briefing (Briefing Audiences: NLM Executive Leadership)

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Prepared for:

Department of Health and Human Services
National Institutes of Health

CMS Alliance to Modernize Healthcare
Federally Funded Research and Development Center

Strategic Support for National Library of Medicine

Task Order No. HHSN276201800082U

Project Deliverable 4.a.2 NLM Portfolio Metamodel

National Library of Medicine Portfolio Metamodel

Version 1.0

December 21, 2018

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Record of Changes

Version	Date	Author / Owner	Description of Change
1.0	December 21, 2018	B. Melby / CAMH	Version 1.0 for release to Sponsor

Executive Summary

The National Institutes of Health (NIH) National Library of Medicine (NLM) Portfolio Metamodel aims to provide information to NLM decision makers to understand the mix of products and services—called offerings—that NLM provides to customer constituencies. The metamodel is a *future-state illustration* of features that are most critical to a holistic understanding of NLM's portfolio. The metamodel is populated with information sourced from NLM Division management records as well as from NLM financial management systems and processes. It is designed to help answer key management questions that are fundamental to understanding NLM's portfolio both at a high-level and at the individual offering level.

Broadly, NLM management desires to seeks information about:

- What is the number, type, and complete list of offerings available to the public? How do NLM offerings relate to each other and to NLM's mission?
- What federal or NIH mandates and/or NLM Strategic Plan elements compel NLM to support specific offerings?
- How are different customer constituencies served by NLM's diverse portfolio?
- What NLM resources (i.e., business processes and functions, technology, and data) and external resources are used in combination to deliver offerings to customers?
- What are the dependencies between offerings and their underlying resources?
- How is NLM's annual budget allocated and expended in support of individual offerings?
- What projects and activities does NLM support with federal investments to produce, operate, and maintain NLM offerings?

Scope of Document

This document consists of two sections:

- **NLM Portfolio Metamodel Components.** A common taxonomy for describing the NLM portfolio components is necessary for cross-portfolio analyses and transparent decision-making processes. This section defines each item appearing in the metamodel as well as data attributes associated with each item. Attribute values and examples are also provided to facilitate metamodel adoption.
- **NLM Portfolio Key Management Questions.** Different data points associated with the portfolio metamodel can be analyzed together to answer key management questions identified by NLM leadership. Answers support more informed decision-making about how to direct NLM's limited resources to effectively and efficiently execute NLM's mission and position NLM well for the future. This section enumerates each key management question and shows the lines of sight between different metamodel components that can provide data points to help answer each question.

Methodology

The MITRE Corporation (MITRE) collaborated with NLM leadership to develop the portfolio metamodel. To address the key management questions, the NLM portfolio metamodel collects information from internal sources and incorporates the information into a decision support environment. To create NLM's baseline portfolio inventory, portfolio data is organized into an Excel-based master data file (.xlsx) and visualized using Tableau software (.twbx). As NLM continues to develop its portfolio management (PfM) capability, NLM may opt to convert its Excel master data file to a database system to make data maintenance and expansion less cumbersome. MITRE developed metamodel definitions, data attributes and values, which were vetted by NLM leadership to ensure all aspects of the metamodel meet leadership's current reporting needs as well as some future reporting aspirations.

Intended Audience

This report is intended for NLM executive leadership, division leadership, and offering, resource, business, and technical owners.

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1. Introduction

1.1 Background

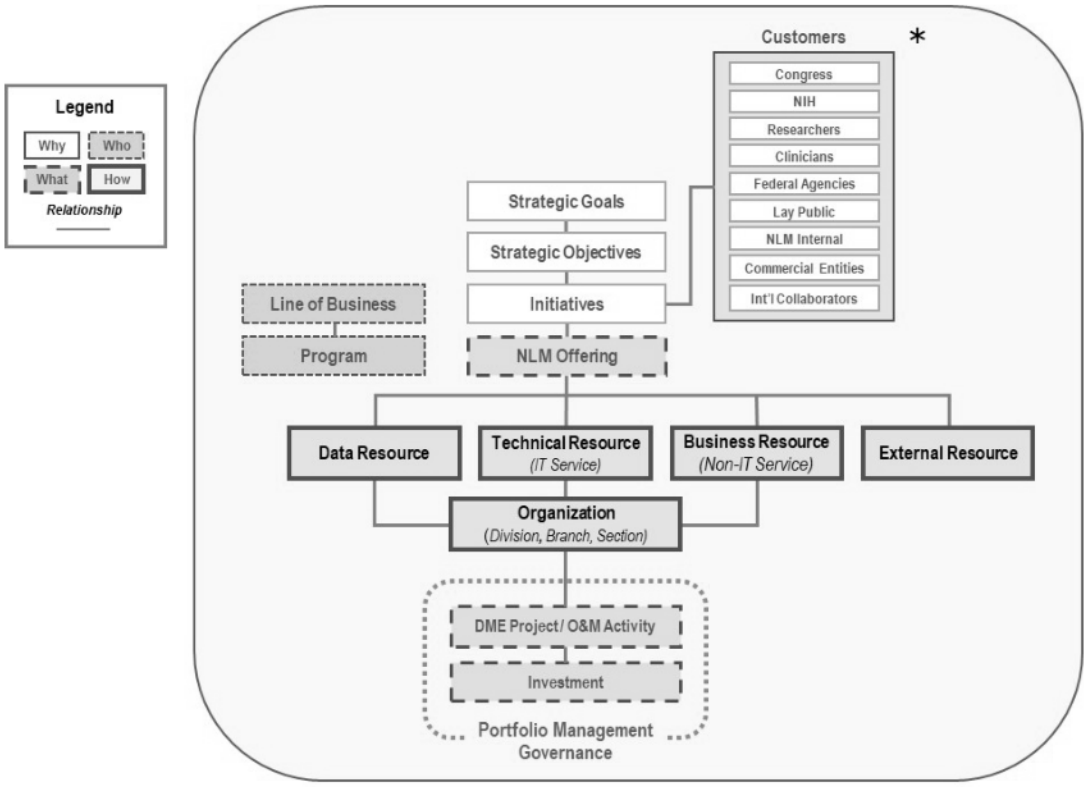
The National Library of Medicine (NLM) requested assistance from the CMS Alliance to Modernize Healthcare (CAMH), a Federally Funded Research and Development Center (FFDRC) operated by The MITRE Corporation (MITRE), to undertake an objective, unbiased, and comprehensive inventory of the entire NLM portfolio and develop portfolio analysis tools. NLM requested that MITRE propose a portfolio framework with cross-NLM applicability to facilitate standardized reporting, enable visualizations to evaluate alignment between NLM strategic priorities and offerings, and provide more robust data for planning and decision-making about NLM's future direction. This effort was the first of its kind to systematically catalog offerings (i.e., products/applications and services) delivered by individual NLM's divisions and centers in a cross-NLM portfolio framework.

By adopting portfolio management (PfM) discipline, federal agencies are equipped with more robust tools to better understand the scope, size, and impact of their business activities. PfM combines strategic, operational, financial, and performance data in a meaningful way that enables agencies to make better decisions about where to invest and to regularly evaluate the results of those investments.

1.2 Purpose

The objective of the NLM portfolio metamodel is to provide NLM a decision analysis capability that answers key management questions about how NLM fulfills its mission. The metamodel was developed using the following approach:

- Determine stakeholders for portfolio management information.
- Survey stakeholders to understand their information needs, capturing the initial set of management questions to answer.
- Parse information from discussions with leadership and interviews with NLM staff to develop a "metamodel" illustrating categories of information and their relationships.
- Evaluate data management and visualization requirements and identify a tool to support reporting based on metamodel categories.
- Determine how to compile, structure, and link information from portfolio data calls completed by key NLM stakeholders to support the relationships defined in the metamodel.
- Develop prototype NLM portfolio dashboards with different views to support answers to NLM management questions.



* The following additional customers were identified during the NPA Phase 1 data call and may be included in a future metamodel version: Educators, Students, Libraries/Librarians, and Press/Publishers.

Figure 1. NLM Portfolio Metamodel

The metamodel is designed to help NLM answer the following broad questions:

- What is the number, type, and complete list of offerings available to the public? How do NLM offerings relate to each other and to NLM's mission?
- What federal or NIH mandates and/or NLM Strategic Plan elements compel NLM to fund specific offerings?
- How are different customer constituencies served by NLM's diverse portfolio?
- What internal NLM resources (i.e., business processes and functions, technology, and data) and external resources are used in combination to deliver offerings to customers?
- What are the dependencies between offerings and their underlying resources?
- How is NLM's annual budget allocated and expended in support of individual offerings?
- What projects does NLM support with federal investments to produce, operate, and maintain NLM offerings?

2. Metamodel Definitions and Attributes

This section defines all metamodel components that comprise the types of data needed to answer key management questions. The five components are:

- **ITEM–** indicates the different components of the NLM Portfolio Metamodel.
- **ATTRIBUTES –** are the qualities or features that are regarded as a characteristic or inherent part of each ITEM. ATTRIBUTES are additional data points pertaining to ITEMS. In information management, an attribute is a piece of information that determines the properties of a field or tag in a database or a string of characters in a display.
- **VALUE –** provides possible options for the attribute based on either a predetermined list of NLM data or user-driven input.
- **EXAMPLES –** are provided to put the definitions for ITEM and ATTRIBUTE in the NLM context.

Attributes are grouped to indicate the type of information to which they relate (basic offering information or financial information). An additional distinction is made to identify attributes that are an aspirational part of the future-state NLM metamodel. These attributes were identified as important to future portfolio analyses; however, NLM leadership determined that standardized definitions for this set of attributes were not important for meaningful baseline portfolio analyses.

2.1 Attribute Group: NLM Offering Information

2.1.1 NLM Offering

Definition: The product and/or service offered to satisfy a want or need of an existing or target user constituency.

Table 1. NLM Offering Attributes

Attribute Name	Definition	Possible Values	Examples
Offering Name	The full name of the offering without information truncated by acronyms.	• List (Large Number of Possible Values) • Manual Data Entry	• Common Data Element Repository • National Health and Nutrition Examination Survey Database • PubMed
Offering Name (Short)	"Brand name," the name used to take the offering to market.	• List (Large Number of Possible Values) • Manual Data Entry	• CDE Repository • NHANES • PubMed
Offering Short Description	A succinct description of the value provided to customers.	Manual Data Entry	• CDE Repository – The NIH Common Data Element (CDE) Repository provides access to structured human and machine-readable definitions of data elements that have been recommended or required by NIH Institutes and Centers and other organizations for use in research and for other purposes. • NHANES – NHANES is a database of materials related to the second and third National Health and Nutrition Examination Surveys (NHANES II and III), carried out during the years 1976-1980 and 1988-1994, respectively. • PubMed – - PubMed is a digital collection of biomedical literature journal article abstracts.

Attribute Name	Definition	Possible Values	Examples
Offering Group	The category indicating the common purpose or characteristic that relates multiple offerings.	• Databases • Analytic Tools • Library Physical and Digital Collections • Training & Career Development • Outreach • Research • Library Science Platforms/Operations	

Attribute Name	Definition	Possible Values	Examples
Offering Type	The category indicating the form in which an offering is delivered to customers.	• Data • Digital Service • Human Service • Product	• **Product** – A system or raw materials combined and made available to users (customers). For the NLM context, a product generally refers to a physical asset or commodity provided to users. Examples: Books, exhibitions assets, training materials. • **Human Service –**Interaction between providers and users where the provider has a direct or indirect interaction with the user. Examples: Data Distribution Program, Library Operations MMS Outreach & Training. • **Digital Service –** A valuable action performed to satisfy customer need that has been delivered using IT infrastructure. Examples: Pathogen surveillance service, genome annotation service, contamination screening service. • **Data –** Information that has been translated or organized into a form that is efficient for movement, processing or consumption. Information may be housed within a database. Examples: PubMed, GenBank.
Offering Mechanism Type	The different mechanism(s) or means by which an NLM offering is provided to customers.	• API Access • Curated Data FTP • Software • Website Access • Media (Print, Video)	CDE Repository Mechanisms: 1. API Access 2. Website Access 3. Curated Data FTP

Attribute Name	Definition	Possible Values	Examples
		• Interpersonal	PubMed Offering Mechanisms: 1. API Access 2. Website Access (PubMed interactive web site) 3. Curated Data FTP NHANES Mechanisms: 1. Website Access (including controlled access) 2. Curated Data FTP 3. Software
Mandate Source Type	The primary source of NLM's mandate to provide a specific offering.	• Congress • NIH Policy • NLM Policy/ Strategic Plan • Other (e.g., historical) • Unknown	
Mandate Reference	The primary reference citation for the authorizing source legislation, policy, or regulation obligating NLM to provide resources and support for an offering or group of offerings.	Manual Data Entry	Sec. 301 of the PUBLIC HEALTH SERVICE ACT, PART D—NATIONAL LIBRARY OF MEDICINE, Subpart 1—General Provisions "PURPOSE, ESTABLISHMENT, AND FUNCTIONS OF THE NATIONAL LIBRARY OF MEDICINE"
Primary Offering Owner Name	Person accountable for delivering value to customers via a specific offering.	Manual Data Entry	Jane Smith
Critical Success Factor	Refer to specific activities, procedures, or areas that a business or organization depends on for its continued survival. (Technopedia)	Manual Data Entry	Example categories for CSF include cost, innovation, quality, speed, and size of consumer base.
Sunsetting Planned	Indicator that a plan is in place to sunset the offering in the future.	Yes	

2.1.2 Organization

Definition: The group of persons organized within NLM with responsibility to deliver a specific NLM offering. Provide NPA Organization information at the Section level or lowest level available when the Section organizational construct is not used.

Table 2. Organization Attribute

Attribute Name	Definition	Possible Values	Examples
Primary Organization Name	Name of the NLM organizational unit.	List (Large Number of Possible Values)	• Exhibitions Section • E-Health Information Support Section

2.1.3 Customers

Definition: Constituencies, including individuals, groups, or organizations, that are intended to use the project's product or service or result.

Table 3. Customer Attributes

Attribute Name	Definition	Possible Values	Examples
Customer Name	Short name for the customer constituency that uses the offering.	• Clinicians • Commercial Entities • Congress • Educators • Federal Agencies • International Collaborators • Lay Public • Libraries/Librarians • Manual Data Entry • NIH • NLM Internal • Press/Publishers • Researchers • Students	

2.1.4 NLM Initiative

Definition: A broadly defined objective that an organization must achieve to make its strategy succeed *(Association of Strategic Planning Body of Knowledge 2.0*). Initiatives are aligned to NLM Strategic Plan Goals and Objectives through the plan's hierarchical numbering framework.

Table 4. NLM Strategic Initiative Attribute

Attribute Name	Definition	Possible Values	Examples
Initiative Name	Strategic initiatives impact the organization as a whole and have enterprise-wide significance *(Association of Strategic Planning Body of Knowledge 2.0)*. If an offering is aligned to an Initiative, its alignment to the associated Strategic Objective and Goal will occur.	• List (see examples) • No alignment • Unknown	1.1b MEDLINE 2022 1.1c NLM Portfolio Assessment by MITRE 1.1d DATaset Metadata Model (DATMM) Initiative 2.1a Outreach planning 2.1d User Experience / User Development Initiative 2.1e External Communications Plans & Information Resources 2.1f Informatics Professionals Outreach, Training and Development 3.2b1 Reproducibility for Intramural Scientists Workshop 3.2b2 Second Reproducibility for Intramural Scientists Workshop 3.2c Data Science for Librarian Workforce Workshop 3.2d Assessment of extramural staff data science training needs

2.1.5 NLM Strategic Objective

Definition: A broadly defined objective that an organization must achieve to make its strategy succeed (*Association of Strategic Planning Body of Knowledge 2.0*). Objectives are aligned to NLM Strategic Plan Goals through the plan's hierarchical numbering framework.

Table 5. NLM Strategic Objective Attribute

Attribute Name	Definition	Possible Values	Examples
Strategic Objective Number	Number indicating the NLM Strategic Objective to which the offering is expected to contribute and help achieve. When an offering is aligned to a Strategic Objective, its alignment to the associated Strategic Goal will occur.	• List (see examples) • No alignment • Unknown	1.1 Connect the resources of a digital research enterprise 2.1 Know NLM users and engage with persistence 3.2 Assure data science and open science proficiency

2.1.6 NLM Strategic Goal

Definition: Encompasses the organization's vision, mission, and objectives (*Association of Strategic Planning Body of Knowledge 2.0*). High-level strategic goals have the following characteristics:

- Describe a future end-state that is supportive of the mission and vision.
- Describe actions in actionable terms.
- Relate to the expectations/requirements of all the major stakeholders and employees and reveal the underlying reasons for running the business.
- Imply a completion date at some point in the future but not defined at this point.
- Can be divided into milestones that, in turn, can be translated into achievable, assignable, and measurable objectives.

Table 6. NLM Strategic Goal Attribute

Attribute Name	Definition	Possible Values	Examples
Strategic Goal Number	Number indicating the NLM Strategic Goal to which the offering is expected to contribute and help achieve.	• Goal 1 • Goal 2 • Goal 3 • No alignment • Unknown	Goal 1 – Accelerate Discovery and advance health through data-driven research Goal 2 – Reach more people in more ways through enhanced dissemination and engagement Goal 3 – Build a workforce for data-driven research and health

2.1.7 Business Resources

Definition: Services associated with business process execution. Business resources support planning, implementation, operation, maintenance, and/or delivery of an offering. Business resources are often used in combination with technical resources and either indirectly or directly support offerings.

Table 7. Business Resource Attributes

Attribute Name	Definition	Possible Values	Examples
Business Resource Name	Short name for the business services that contribute to the delivery of an offering. The resource name given should describe the type of support provided (e.g., Content Management of RxNorm).	• List (Large Number of Possible Values) • Manual Data Entry	• Parature / Dynamics Support Portal and Ticketing System • PHPartners HSRIC curation • Prokaryotic Genome Annotation Curation • SNOMED CT US Edition Production
Business Resource Owner Name	Person responsible for managing the business resource inputs to an offering.	Manual Data Entry	Jane Smith

Attribute Name	Definition	Possible Values	Examples
Business Resource Type	Categories of business resource that distinguish the business function provided to an offering.	• Customer Service • Data • Management • Research • Other (with Manual Data Entry to add additional values)	

2.1.8 Data Resource

Definition: An organized collection of data. Data resources specify the data set that is leveraged when delivering an offering. May also be provided as an offering.

Table 8. Data Resource Attribute

Attribute Name	Definition	Possible Values	Examples
Data Resource Name	Short name for the data collection that contributes to the delivery of an offering.	• List (Large Number of Possible Values) • Manual Data Entry	• Anatquest images • PubMed Central Data Collection • VSAC data
Data Resource Owner Name	Person responsible for managing the data resource inputs to an offering.	Manual Data Entry	Jane Smith
Data Resource Owner Organization	Name of the NLM organizational unit responsible for providing the resource.	List (Large Number of Possible Values)	• Exhibitions Section • E-Health Information Support Section

2.1.9 External Resource

Definition: An input to an NLM offering that is obtained from a provider(s) outside the NLM organization.

Table 9. External Resource Attributes

Attribute Name	Definition	Possible Values	Examples
External Resource Name	Short name for the external resources that contribute to the delivery of an offering.	Manual Data Entry	eRA – public access compliance report
External Resource Provider Name	Name of external agency or organization providing the external resource.	Manual Data Entry	• NIH • EPA
External Resource Business Owner Name	Person responsible for managing the external resource inputs to an offering.	Manual Data Entry	John Smith

2.1.10 Technical Resource

Definition: Services as well as tangible assets supporting the technology needed to deliver an offering. Technical resources combine technical processes and functions of software, hardware, networks, telecommunications, and electronics as well as facilities and equipment. Includes software development, integration, and maintenance; hardware; networking integration, management and maintenance; information security (IS); IT management consultants; mobile services; web applications; and infrastructure.

Table 10. Technical Resource Attributes

Attribute Name	Definition	Possible Values	Examples
Technical Resource Name	Short name for the technical resources that contribute to the delivery of an offering.	• List (Large Number of Possible Values) • Manual Data Entry	• Annotation pipeline software • BioProject Archive • Entrez • Lexical Tools • SFX • Task Manager
Technical Resource Owner Name	Person responsible for managing the technical inputs	Manual Data Entry	Jane Smith

Attribute Name	Definition	Possible Values	Examples
	to the offering.		

3. Attribute Group: Financial Information

3.1 Expenditure

Definition: The actual spending of money; an outlay (*GAO-05-734SP Budget Glossary*).

Table 11. Annual Expenditures Attributes

Attribute Name	Definition	Possible Values[1]	Examples
Expenditure Type	The definitive breakdown of expenditures into groups that classify or summarize the type of cost.	• Division Federal Salaries (Programmatic/Operational) • Contract Salaries (Programmatic/Operational) • Service Contracts (Offering-Specific) • Other Support Costs (e.g., Administrative Overhead, Supplies, Travel, Training) • IT Services (Division-Specific) • IT Services – IT Management (Division-Specific) • IT Services – Security & Compliance (Division-Specific) • IT Services – Delivery (Division-Specific) • IT Services – Application (Division-Specific) • IT Services – Storage (Division-Specific) • IT Services – Compute (Division-Specific) • IT Services –Platform (Division-Specific) • IT Services – Network (Division-Specific) • IT Services – Data Center (Division-Specific) • NLM-wide IT Shared Services	

[1] For definitions, please refer to the **Glossary of Select Terms and Data Values**.

Attribute Name	Definition	Possible Values[1]	Examples
Cost Pool	Low-level categories that are often aligned easily to general ledger accounts. (*TBM Council*[2])	• Internal – Labor • External – Labor • External – Expenses • Internal –Other • Internal Services – IT	
Expenditure Total	Total amount of money expended to support a business activity.	Manual Data Entry (USD)	$1,234,567.89

[2] https://www.tbmcouncil.org/sites/default/files/tbmc_tbm_taxonomy_3.0.pdf

4. Proposed Future Attributes

4.1 Attribute Group: NLM Offering Information

4.1.1 Offering Information

Definition: Please refer to subsection *2.1.1*.

Table 12. Future-State NLM Offering Attributes

Attribute Name	Definition	Possible Values	Examples
Flagship Indicator	Indicator that the offering belongs to the finest, largest, or most important group of NLM offerings. *(https://www.merriam-webster.com/dictionary/flagship)*	Yes	
Key Performance Indicator (KPI)	Name of the metric most indicative of the offering's value to customers. Selected by offering business owner.	Manual Data Entry	
KPI Measurement Unit	The quantity used as the standard of measurement.	Manual Data Entry	Webpage hits
KPI Measurement Value	The measured KPI quantity at a moment in time.	Manual Data Entry	123,456
KPI Measurement Period	The predetermined time between two scheduled KPI measurements.	• Weekly • Monthly • Quarterly • Semi-annually • Annually	
KPI Measurement Date	The date on which the KPI measurement value is generated for reporting.	Manual Data Entry	YYYYMMDD

Attribute Name	Definition	Possible Values	Examples
KPI Measurement Target	The desired or benchmark KPI measurement value at any given time.	Manual Data Entry	123,456
KPI Data Source Name	Primary location (i.e., database, application, website, etc.) where current and historical KPI data are stored.	Manual Data Entry	Amazon Web Services
NLM Function	Derived from 8 functional statements describing the NLM's key functions.	• Biomedical collections/archives • Medical library development • Training • Outreach • Research • Tools development • Technical consultation	
NLM Core Operations	The range of activities that serve NLM's mission. Per the NLM Strategic Plan Implementation FAQs, NLM core operations are: • Acquire, preserve, and disseminate information • Conduct research about the information substrate of health • Workforce development • Provide training and use on how to make NLM's materials more accessible to others	• Archives & Collections • Outreach • Research • Training • Workforce Development	
Program	An organization subdivision focused on a single product or family of products (*Gartner IT Glossary*).		
Line of Business (LOB)	Related projects, subsidiary		

Attribute Name	Definition	Possible Values	Examples
	programs, and program activities that are managed in a coordinated manner to obtain benefits not available from managing them individually. (*PMBOK*®; used by NCBI). A collection of organizational resources that is geared to accomplish a certain major goal or set of goals (*www.managementhelp.org*).		

4.1.2 Technical Resource

Definition: Please refer to subsection *2.1.9*.

Table 13. Technical Resource Attributes

Attribute Name	Definition	Possible Values	Examples
FISMA System	Indicator of the NLM system designated as a part of the Federal Information Security Management Act of 2002 (FISMA) to which the technical resource is a part.	• List • Undocumented	• Access GUDID • BLAST • Clinical Trials • DailyMed • dbGaP • Digital Repository • DOCLINE • GenBank • Genetic Testing Registry (GTR) • Genetics Home Reference (GHR) • Images from the History of Medicine • Index Management System (IMS) • LPF • MEDLARS Application • MedlinePlus • MeSH • NLM Biomedical Terminology System (NBTS) • NLM Data Center • PubChem • PubMed/PubMed Central • RxNorm Editing System • Serials Extract File • TOXNET • Unified Medical Language System (UMLS) • Value Set Authority Center (VSAC) • Voyager

4.2 Attribute Group: Investment and Expenditure Information

4.2.1 DME Project

Definition: A project is a temporary endeavor undertaken to create a unique product or service. A project has a beginning and an end. (*Project Management Institute®*). A DME (Development, Modernization and Enhancement) project is the portion of an IT investment/project that deals with developing and implementing new or enhanced technology in support of an agency's mission (*48 CFR 1034.001 – Definitions*).

Table 14. Future-State DME Project Attributes

Attribute Name	Definition	Possible Values	Examples
DME Project – Resource Name	Name of the resource supported by the DME project.	Manual Data Entry	
DME Project Name	Short name for a DME project undertaken to develop a business or technical resource.	Manual Data Entry	• PubMed 2.0 • SEF Redesign
DME Project Investment Amount	Total amount invested to complete a DME project.	Manual Data Entry (USD)	$1,234,567.89
DME Project Expenditures Amount	Total expenditures incurred for a DME project to a specified point in time.	Manual Data Entry (USD)	$1,234,567.89

Attribute Name	Definition	Possible Values	Examples
DME Project Associated Investment Name	Name of HHS-reported NLM investment lines from which funding is directed to a project.	• NLM Biomedical Terminology System (NBTS) • NLM BLAST • NLM Entrez Molecular Biology Website • NLM Genome Assembly and Annotation (GenBank) • NLM Molecular Biology IT Support • NLM TOXICOLOGY DATA NETWORK • NLM Clinical Trials • NLM Health Information Resources • NLM PubChem • NLM Human Variation Resources • NLM Medical Library Heath Info Systems and Services • NLM Literature Resources • NLM Clinical Informatics and Data Standards and Analytics Research • NLM Medical Imaging and Visualization Research	

4.2.2 Operations and Maintenance (O&M) Activity

Definition: Appropriations that traditionally finance those things whose benefits are derived for a limited period (e.g., expenses rather than investments) (*Defense Acquisition University*).

Table 15. Future-State O&M Activity Attributes

Attribute Name	Definition	Possible Values	Examples
O&M Activity – Resource Name	Name of resource supported by the O&M activity.	Manual Data Entry	

Attribute Name	Definition	Possible Values	Examples
O&M Activity Name	Short name for the O&M activity supporting the operation and maintenance of a business or technical resource.	Manual Data Entry	• OCCS Application Branch Operations and Maintenance • Format R/W Maintenance Total FY • GBench Editing Total FY • SMART/SMUPD Maintenance 2018 • Sub Portal Maintenance Total FY • SuperBankIt-Maintenance-2018 • Foosh-Genbank Automation
O&M Activity Investment Amount	Total amount invested to perform an O&M activity.	Manual Data Entry (USD)	$1,234,567.89
O&M Activity Expenditure Amount	Total expenditures incurred for the O&M activity to a specified point in time.	Manual Data Entry (USD)	$1,234,567.89
O&M Activity Associated Investment Name	Name of reported NLM Investment lines from which funding is directed to an activity.	• NLM Biomedical Terminology System (NBTS) • NLM BLAST • NLM Entrez Molecular Biology Website • NLM Genome Assembly and Annotation (GenBank) • NLM Molecular Biology IT Support • NLM TOXICOLOGY DATA NETWORK • NLM Clinical Trials • NLM Health Information Resources • NLM PubChem • NLM Human Variation Resources • NLM Medical Library Heath Info Systems and Services • NLM Literature Resources • NLM Clinical Informatics and Data Standards and Analytics Research • NLM Medical Imaging and Visualization Research	

4.2.3 IT Infrastructure

Definition: Investments in IT Infrastructure reported to HHS. Includes NIH End User Devices, Tools, and Support; NIH Computational Infrastructure and Services; NIH IT Security and Compliance; and NIH Network & Telecommunications Infrastructure.

Table 16. Future-State IT Infrastructure Investment Attributes

Attribute Name	Definition	Possible Values	Examples
IT Infrastructure Investment Project Name	Short name for the IT infrastructure project investment reported to HHS.	Manual Data Entry	
IT Infrastructure Investment Amount	Total amount invested in IT infrastructure.	Manual Data Entry (USD)	$1,234,567.89

Appendix A. Key Management Questions Answered Through the NLM Portfolio Metamodel

A.1 Portfolio View: Alignment

The ***Alignment*** portfolio analysis view seeks to evaluate the linkage between an organization's business unit activities and its business goals and objectives and, in the case of federal agencies, also their mandated mission. With these guidelines, NLM's baseline alignment analyses enable drilling down to understand how singular NLM offerings (or groups of NLM offerings) support the realization of NLM strategic plan elements and fulfillment of NLM's responsibilities mandated by law, regulation, or other authoritative source. In the future, NLM should specify the desired outcomes (e.g., performance targets) for each offering and incorporate views into alignment analyses that examine the extent to which NLM is achieving its desired outcomes.

A.1.1 What offerings does NLM provide to user constituencies?

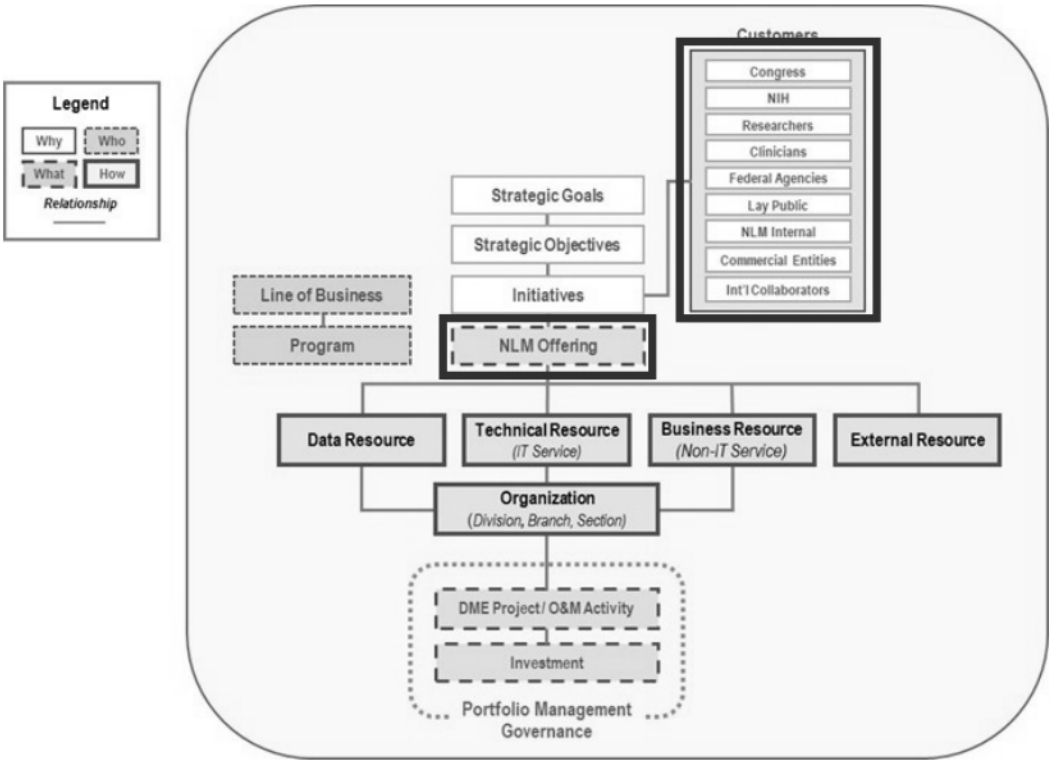


Figure 2. Alignment Question 1.1 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Offering Short Description • Offering Type
Customers	• Customer Name

Outputs:

1.1.1 Count of NLM offerings

1.1.2 Comprehensive, descriptive list of NLM offerings

1.1.3 Count of NLM offerings serving different customer types

A.1.2 How do NLM offerings relate to each other?

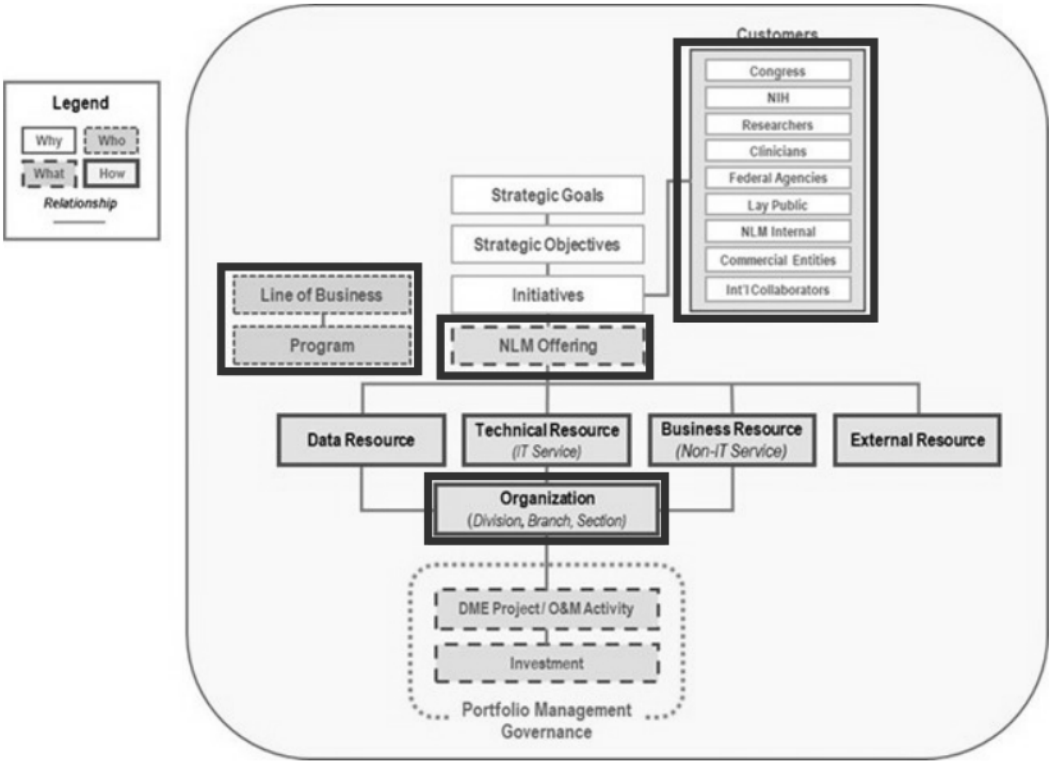


Figure 3. Alignment Question 1.2 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Offering Type • Offering Group
Customers	• Customer Name
Line of Business	• LOB Name
Program	• Program Name
NLM Organization	• Organization Name

Outputs:

1.2.1 Count of NLM offerings by NLM organization (i.e., Division, Branch, Section)

1.2.2 Count of NLM offerings differentiated by offering type

1.2.3 Count of offerings by offering group

1.2.4 *(Future PfM Report)* Count of NLM offerings by NLM lines of business

1.2.5 *(Future PfM Report)* Count of NLM offerings by NLM program

A.1.3 How are NLM's current offerings directed by law, regulation, policy, or other mandate?

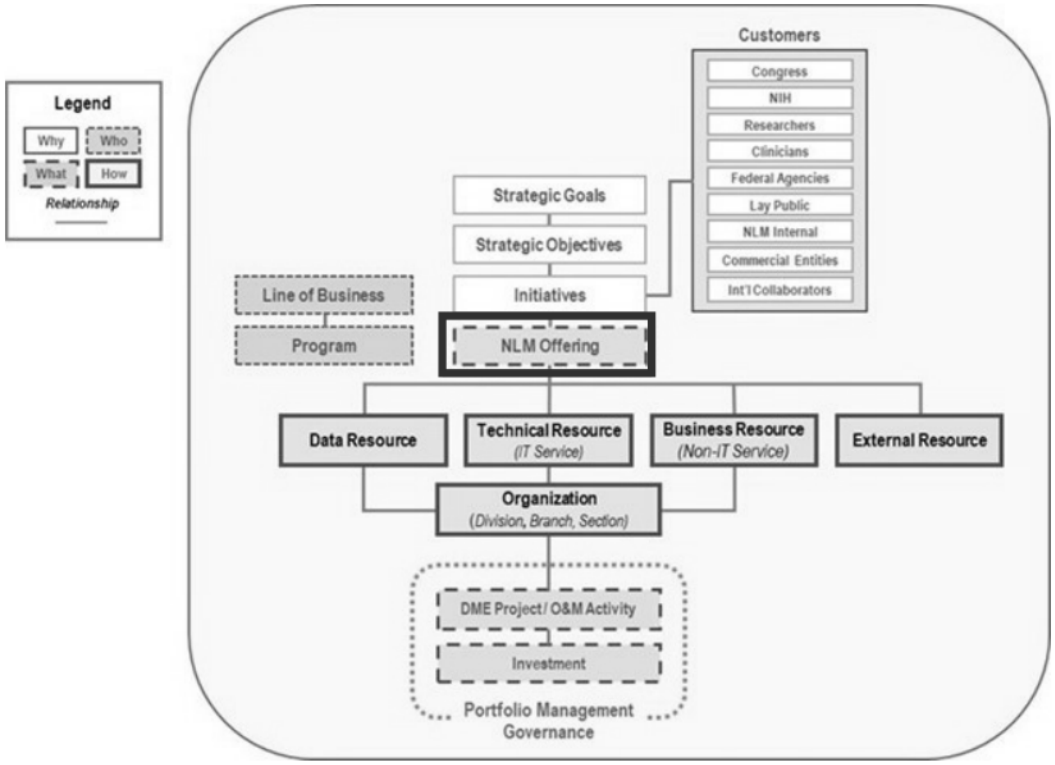


Figure 4. Alignment Questions 1.3 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Mandate Source Type • Mandate Reference

Outputs:

1.3.1 Count of NLM offerings by mandate source type

1.3.2 List of NLM offerings with mandate reference citation

A.1.4 How do NLM offerings align to NLM strategic goals, objectives, and initiatives?

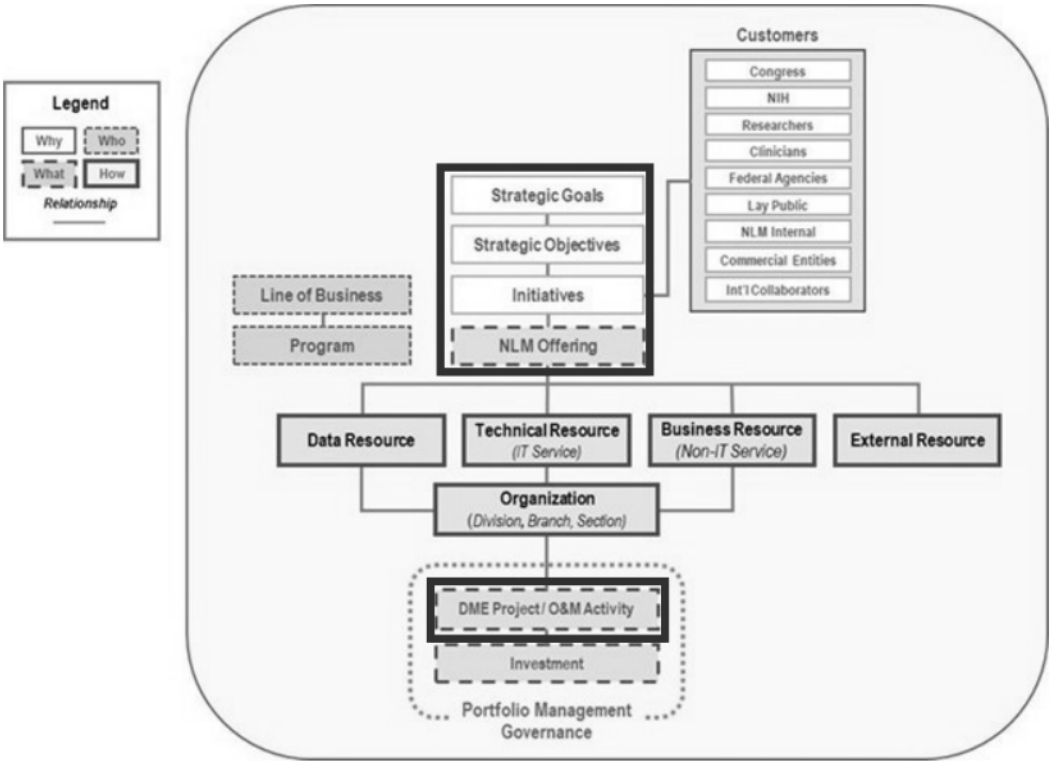


Figure 5. Alignment Question 1.4 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short)
Strategic Goal	• Strategic Goal Name
Strategic Objective	• Strategic Objective Name
Initiative	• Initiative Name
DME Project	• DME Project Name

Outputs:

1.4.1 Count of offerings aligned to each strategic goal

1.4.2 Count of offerings aligned to each strategic objective (per goal)

1.4.3 Count of offerings aligned to each 2018 strategic initiative (per objective)

1.4.4 (*Future PfM Report*) List of DME projects aligned to NLM initiatives

1.4.5 (*Future PfM Report*) Grouping(s) of DME projects identified by NLM to address specific initiatives associated with NLM strategic plan implementation and aligned to NLM offerings

A.2 Portfolio View: Fiscal Balance

The ***Fiscal Balance*** view typically presents actual operational expenditures versus expected benefits. Mature organizations will also evaluate expenditures against risk and benefits. For NLM's baseline PfM capability, NLM's diverse, public-facing offerings are the primary benefit in focus. The current-state view visualizes the allocation of fiscal year expenditure totals among offerings and by expenditure category, such as federal and contractor labor, service contracts, and IT services.

Investment information, when available within the portfolio database in the future, will further enhance NLM's ability to understand the results of specific federal investments. It may also highlight opportunities to eliminate or consolidate similar investments and be more operationally efficient.

A.2.1 What is the cost of making and maintaining NLM offerings?

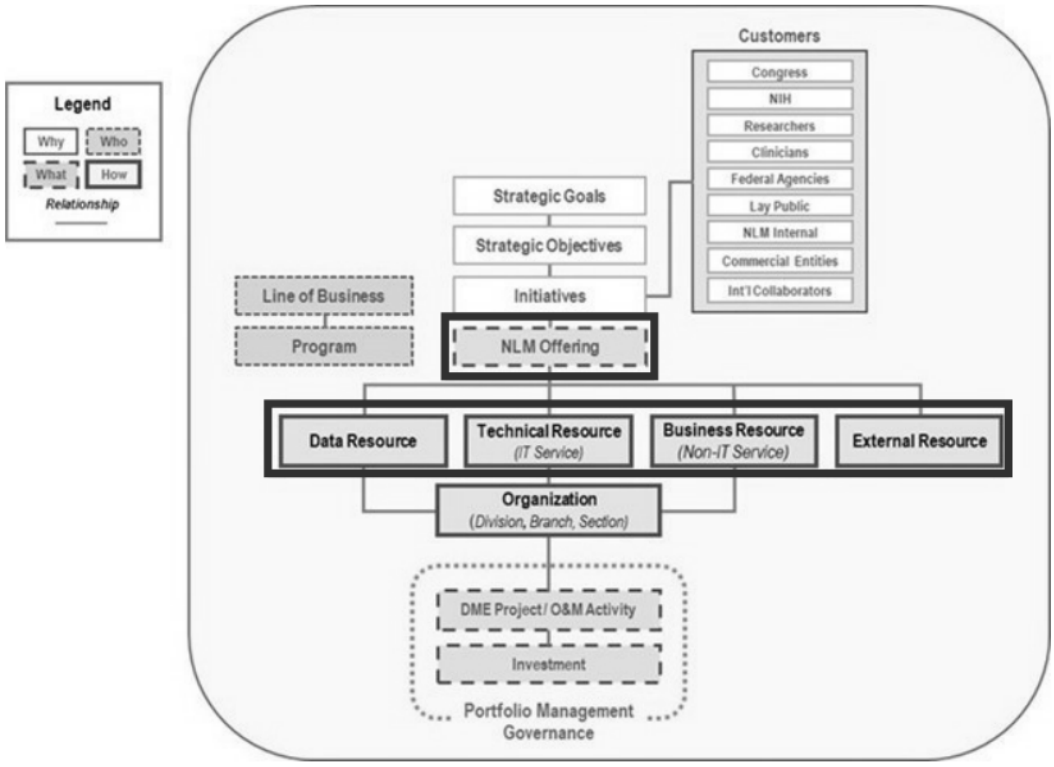


Figure 6. Fiscal Balance Question 2.1 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short)
Business Resource	• Business Resource Name
Data Resource	• Data Resource Name • Data Resource Expenditure Amount ($US; FY Total to Date)

Item	Attribute
External Resource	• External Resource Name • External Resource Expenditure Amount ($US; FY Total to Date)
Technical Resource	• Technical Resource Name • Technical Resource Expenditure Amount ($US; FY Total to Date)

Outputs:

Offering Expenditure Information

2.1.1 Total expenditures for offerings

2.1.2 A list of the "top-n" offerings with the highest expenditures

2.1.3 The breakdown of offering total expenditures among Division activities, IT services, and NLM shared services

2.1.4 The breakdown of Division expenditures for an offering by expenditure type

2.1.5 A list of the "top-n" offerings by total expenditures for IT shared services

2.1.6 A list of the "top-n" offerings by total expenditures for NLM shared services

Resource Expenditure Information

2.1.7 (*Future PfM Report*) Total expenditures by resource type (i.e., business, data, technical, and external[3])

2.1.8 (*Future PfM Report*) The breakdown of offering expenditures attributable to resource type (i.e., business, data, technical, and external)

2.1.9 (*Future PfM Report*) A list of the "top-n" resource expenditures by resource type (i.e., business, data, technical, and external)

2.1.10 (*Future PfM Report*) A list of the "top-n" offerings with the highest expenditures for each resource type (i.e., business, data, technical, and external)

2.1.11 (*Future PfM Report*) The breakdown of total expenditures by offering attributable to resource business, data, technical, and external resources against risk and resource type

[3] Determining the costs of shared resources requires a transparent, repeatable, and reasonable cost allocation approach. In addition, capturing the cost of specific external resources requires that charge-back mechanisms be in place to quantify the support NLM received from those resources.

A.2.2 How much does NLM spend on offerings with a similar purpose?

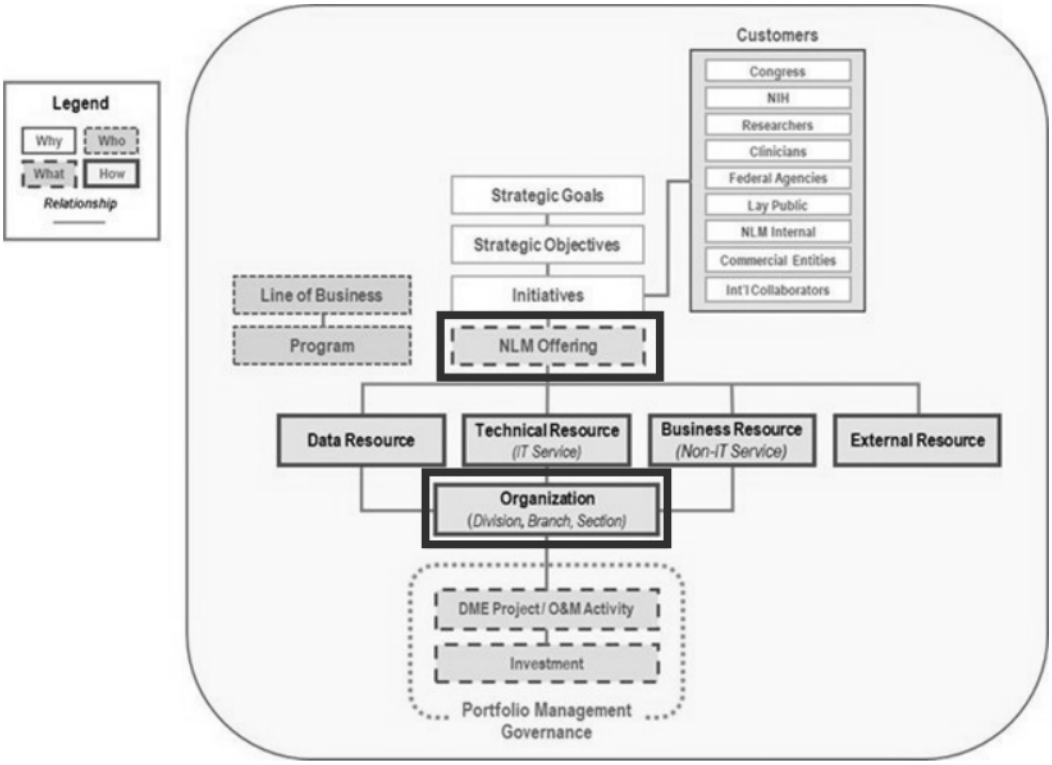


Figure 7. Fiscal Balance Question 2.2 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Offering Group
Expenditures	• Expenditure Category • Expenditure Type • Expenditure Total ($US; FY Total to Date)

Outputs:

2.2.1 Total expenditures by offering group

2.2.2 Breakdown of offering group expenditures by expenditure type

A.2.3 What is the composition of NLM Investments?

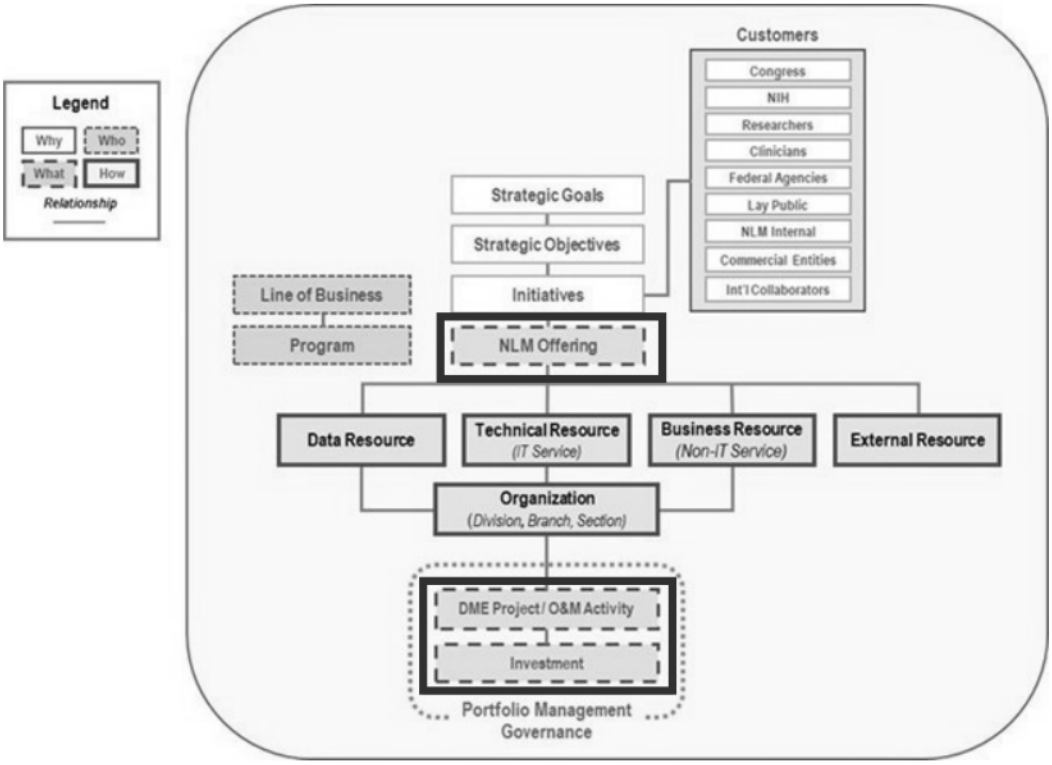


Figure 8. Fiscal Balance Question 2.3 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short)
Investment	• Investment Name • Investment Amount ($US; FY Total to Date
Investment Line	• Investment Line Name • Investment Line Investment ($US; FY Total to Date)
DME Projects	• DME Project Name • DME Project Expenditure Amount ($US; FY Total to Date)
O&M Activity	• O&M Activity Name • O&M Activity Expenditure Amount ($US; FY Total to Date)
IT Infrastructure	• IT Infrastructure Project Name • IT Infrastructure Investment Amount ($US; FY Total to Date)

Outputs:

2.3.1 (*Future PfM Report*) Total of investments

2.3.2 (*Future PfM Report*) The breakdown of total investments by investment category (i.e., DME, O&M, and IT infrastructure)

2.3.3 (*Future PfM Report*) A list of the "top-n" investments by investment category (i.e., DME, O&M, and IT infrastructure)

2.3.4 (*Future PfM Report*) The breakdown of investments by offering according to investment category (i.e., DME, O&M, and IT infrastructure)

2.3.5 (*Future PfM Report*) Total of investments by NLM organization

2.3.6 (*Future PfM Report*) Breakdown of investments for DME projects and O&M activities by NLM organization

2.3.7 (*Future PfM Report*) A list of the "top-n" offerings with the highest total investment amount

2.3.8 (*Future PfM Report*) A list of the "top-n" offerings with the highest total investment amount by investment category (i.e., DME, O&M, and IT infrastructure)

A.2.4 How much funding has NLM invested to implement strategic initiatives?

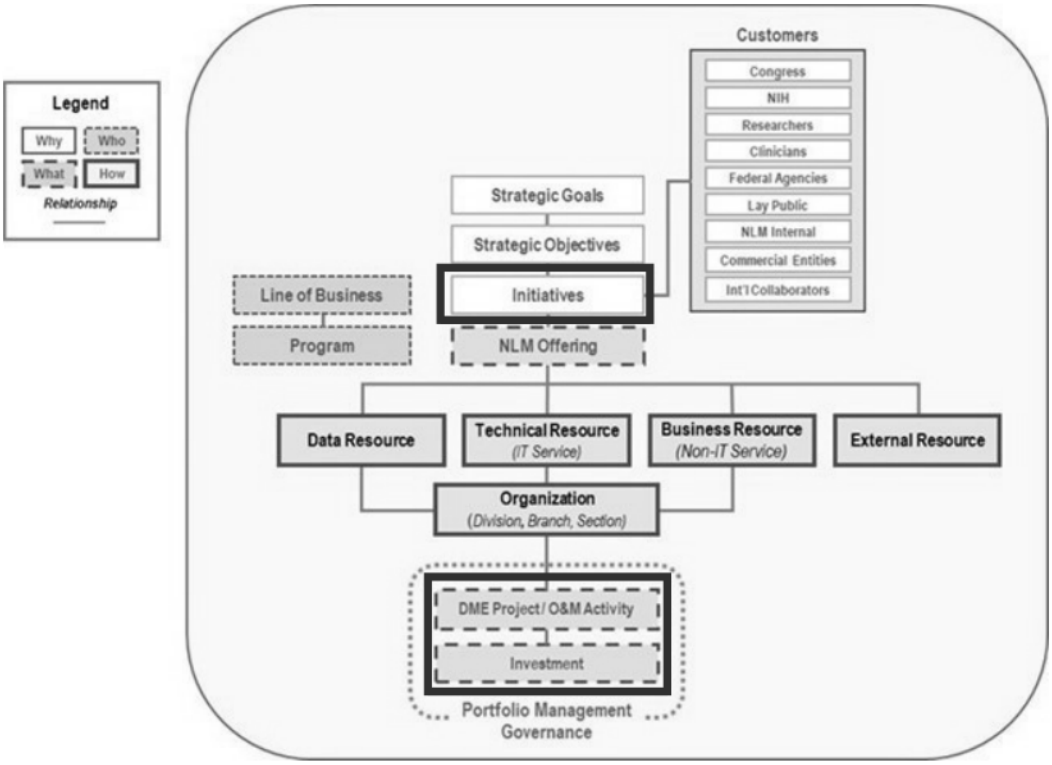


Figure 9. Fiscal Balance Question 2.4 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
Offering	• Offering Name (Short)
Initiative	• Initiative Name
Investment	• Investment Name • Investment Expenditure Amount ($US; FY Total)
DME Projects	• DME Project Name • DME Project Expenditure Amount ($US; FY Total)
O&M Activity	• O&M Activity Name • O&M Activity Expenditure Amount ($US; FY Total)

Outputs:

2.4.1 *(Future PfM Report)* The total investments in dollars allocated to address specific NLM initiatives

2.4.2 *(Future PfM Report)* A list of all investments, designated either DME project or O&M activity, allocated to offerings aligned with specific NLM initiatives

2.4.3 *(Future PfM Report)* A list of the "top-n" initiatives with the highest total dollar investment amount

2.4.4 *(Future PfM Report)* The total investments in dollars allocated to organizations responsible for resources implicated in achieving NLM initiatives

2.4.5 *(Future PfM Report)* The total expenditures in dollars allocated to address specific NLM initiatives

2.4.6 *(Future PfM Report)* A list of all expenditures, designated either DME project or O&M activity, allocated to offerings aligned with specific NLM initiatives

2.4.7 *(Future PfM Report)* A list of the "top-n" expenditures with the highest total dollar amount

2.4.8 *(Future PfM Report)* The total expenditures in dollars allocated to organizations responsible for resources implicated in achieving NLM initiatives

A.3 Portfolio View: Constraints and Dependencies

The ***Constraints and Dependencies*** portfolio view examines general constraints and dependencies that affect portfolio and portfolio component performance. NLM's current-state metamodel provides a preliminary view of dependencies among offerings as well as between offerings and NLM resources owned by NLM Divisions. Potential constraints that may be added to NLM portfolio view include funding, technology, NLM mandate, and complexity. More research is needed to identify the important management questions related to operational constraints and dependencies that the portfolio metamodel may be configured to answer.

A.3.1 How are NLM resources allocated to deliver NLM offerings?

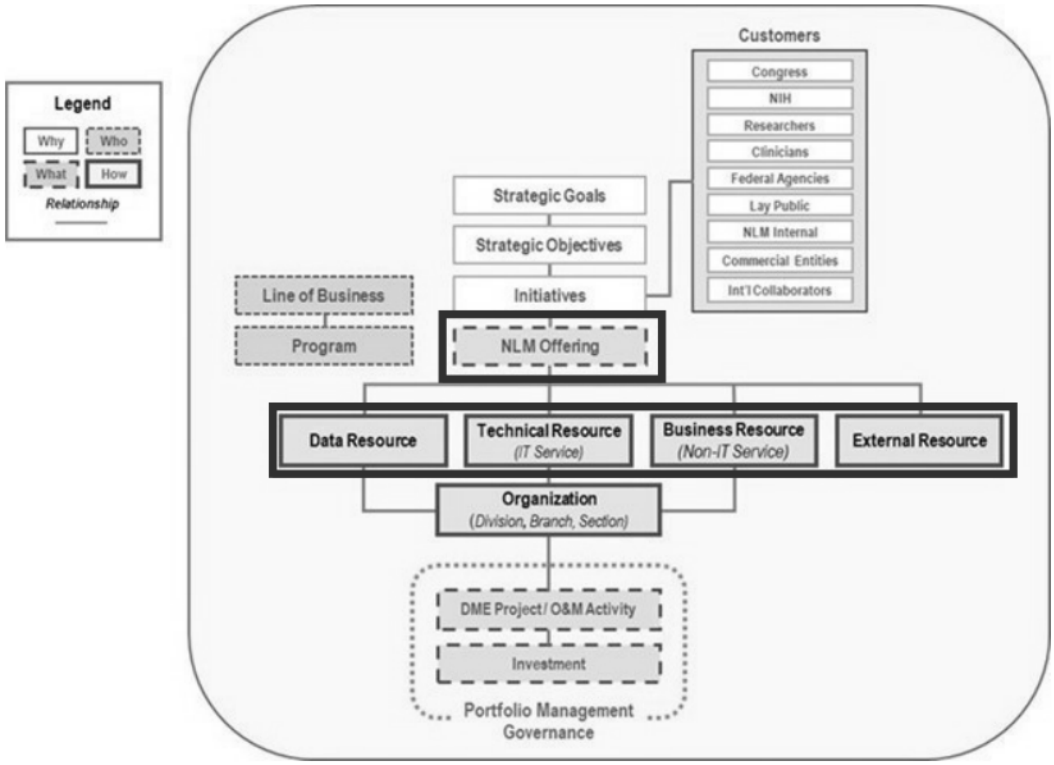


Figure 10. Constraints and Dependencies Question 3.1 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
Offering	• Offering Name (Short)
Business Resource	• Business Resource Name
Data Resource	• Data Resource Name
Technical Resource	• Technical Resource Name • DME Project Expenditure Amount ($US; FY Total)
External Resource	• External Resource Name

Outputs:

3.1.1 A list of resources (i.e., business, data, technical, and external) utilized by each NLM offering

3.1.2 A list of "top-n" resources (i.e., business, data, technical, and external) utilized by NLM offerings

3.1.3 (*Future PfM Report*) The total approximate expenditures in dollars attributable to the "top-n" shared resources (i.e., business, data, technical, and external)

3.1.4 (*Future PfM Report*) The total approximate expenditures in dollars attributable to the "top-n" shared resources (i.e., business, data, technical, and external) as a percentage of total resource costs

A.4 Portfolio View: Value

The ***Value*** portfolio view combines different indicators related to the organization's cost and funding profile, effectiveness, delivery timeline, and risks to produce a composite data point that indicates value delivered. NLM's portfolio is very diverse; for this reason, a singular value indicator cannot be applied to all portfolio components. Further work is needed to identify key value indicators. In some instances, volume and/or demand may be good indicators of customers' appreciation of NLM offerings. These types of indicators serve as a rough indicator of usefulness (e.g., low demand equates to low usefulness); however, for some offerings with a small customer constituency or specific delivery mandate, neither volume nor demand may suffice to answer the value question. Other value indicators would be required. Future work to build NLM PfM capabilities should include developing a strategy to identify value indicators for each offering or for similar offerings.

Possible strategies for determining value measures include:

1. Conduct customer surveys and analyze feedback to understand customers' perspectives
2. Select key performance indicators based on success criteria determined for an offering or a group of offerings
3. Determine a means to evaluate whether an individual offering (or a group of offerings) fulfills a mandate from Congress, NIH, NLM, or other authoritative source
4. Determine the offering's relevance and uniqueness in the market

The following are examples of value-related management questions:

- 3.1 What is the demand (usage) for NLM offerings? How has demand changed over a defined time period ("n")?
- 3.2 What is the volume of customers (total and by customer type) for each NLM offering? How has customer volume and composition changed over a defined time period ("n")?
- 3.3 How are NLM's flagship offerings performing against key performance indicators measured over a defined time period ("n")?
- 3.4 What identifiable value do offerings provide users/customers?
- 3.5 What value do customers receive from NLM offerings, as conveyed through their feedback?
- 3.6 How does offering value compare with offering total expenditures?
- 3.7 How do offerings act as a support or foundation to external outcomes (e.g., development of apps and other industry technologies, lives saved, and student/research development)?

A.5 Portfolio View: Health

The ***Health*** portfolio view provides information to help an organization understand how well it is executing against its plans for investing, expending, and accomplishing key activities. The Health view analyzes the state of individual investments against the portfolio: how many investments are on track, over budget, under budget, on or behind schedule, etc. As NLM's PfM maturity progresses, NLM may consider expanding the portfolio metamodel to capture information to respond to the following management questions, which are offered as examples only:

5.1 What is the fiscal year budget variance (planned vs. actual)?

5.2 What is the fiscal year budget variance (planned vs. actual) by Division?

5.3 What is the fiscal year variance (planned vs. actual) for NLM projects?

5.4 What is the time estimated to finish the NLM budget?

5.5 What is the workplan variance for NLM initiatives?

5.6 What is the workplan variance for 2018 DME projects?

5.7 What is the workplan variance for 2018 O&M activities?

5.8 What is the fiscal year budget variance (planned vs. actual)?

5.9 What is the budget variance between successive fiscal years?

A.6 Portfolio View: Risk

The ***Risk*** portfolio view associates a risk indicator or score to portfolio components to enable an organization to ensure the amount of risk is commensurate with the potential benefits across the short, medium, and long term. Risk can be examined from multiple perspectives, including investment function/execution, organizational reputation, operational, and competitive position. The level of risk acceptable to an organization depends on its priorities. Therefore, understanding those priorities and potential tradeoffs are paramount. A portfolio risk view is indicative of more a mature PfM approach. Some risk-related management questions are:

6.1 What level of risk does NLM assume by providing the offering?

6.2 How does an offering compare to similar offerings in the marketplace?

Glossary of Select Terms and Data Values

Expenditure Types

Division Programmatic and Operational Activities

Division Federal Salaries	For example, staff executing programmatic/operational roles in support of specific offerings or multiple offerings; includes IT developer time when supporting specific offerings.
Contract Salaries	For example, external contractors hired to support specific offerings or multiple offerings; works alongside federal staff.
Service Contracts	For example, contracts established to purchase a specific service in support of NLM Offering delivery.
Other Support Costs	For example, cost that is potentially allocable across all offerings and not generally offering-specific, such as administrative / management overhead, supplies, travel, and training.
Division-Specific IT Services	IT services provided by an NLM provider (e.g., OCCS) that are specific to a Division (i.e., software, applications, etc.).
NLM-Wide IT Shared Service Costs	IT services that are provided across all of NLM (e.g., data center and network).

Technology Business Management IT Tower Definitions[4]

IT Management	The IT Management tower includes the costs to manage, administer, and plan IT for the enterprise. It includes executive management, strategic management, enterprise architecture, IT finance, and vendor management.
Security and Compliance	The Security & Compliance tower includes service costs related to IT security compliance and disaster recovery. The scope includes costs to define, establish, enforce, and measure security, compliance, and disaster recovery readiness for the enterprise.
Delivery	The delivery tower includes the costs to monitor, support, manage, and run IT operations for the enterprise and includes the IT Service Management (ITSM) functions.
Application	The Application tower includes costs related to applications in the

[4] https://www.tbmcouncil.org/sites/default/files/tbmc_tbm_taxonomy_3.0.pdf

	enterprise. The scope includes the cost of business software and the costs to develop, manage and run applications for the enterprise.
Storage	Storage provides centralized data storage and securely holds information and data to be retrieved later. Storage may hold data for application programs and code, databases, files, media, email and many other forms of information. The storage tower includes distributed and mainframe storage that provides on-line storage for real-time access and archival storage solutions that may enable near-term retrieval or long-term archival. The storage tower excludes the internal storage included with a typical server configuration or end-user device such as a laptop, desktop or mobile phone, or tablet.
Compute	Compute refers to both general and special-purpose devices and software that are programmed to carry out a set of arithmetic or logical operations. In essence, it provides the "brains" to process application and user requests. Compute includes a wide range of physical and virtual servers differentiated by platform and operating system. The Compute tower should include all direct hardware, software, labor, and outside service costs.
Platform	Platform includes all costs associated with distributed and mainframe databases and middleware systems. Costs include DBMS software and tools, labor, and outside services.
Network	Network includes the data and voice equipment along with the transport methods to connect systems and people and to enable people to converse. Networks provide core connectivity within the enterprise data centers as well as connectivity to and access within office building and remote locations.
Data Center	Data centers are purpose-built facilities to securely house computer equipment. Data centers provide racks/cabinets and cabling; clean and redundant power; data connectivity; environmental controls, including temperature, humidity, and fire suppression; physical security; and the people to run and operate the facility and its infrastructure.

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Sent: 28 Mar 2019 10:14:34 +0000
To: NLM Leadership
Cc: Patti (NIH/NLM) Brennan [E] (patti.brennan@nih.gov);Sheehan, Jerry (NIH/NLM) [E]
Subject: Tracking Progress
Attachments: Metrics - Strategic Plan Implementation - Feb2019 clean.docx, ESM initiative owners Feb2019.xlsx

Hi all – We would appreciate your help with two items.

Last summer we started talking about identifying indicators of success of our implementation of the strategic plan, and we have continued talking about this from time to time; those ideas are reflected in the attached Word document. In the document, leadership owners have been identified by their initials in parentheses in the initiative column. While these ideas are more or less the results of brainstorming, we would like to advance the conversation by asking you to think carefully about your respective initiatives and identify concrete the success goal of each initiative and how you will measure how close the initiative is to that goal (the goal and metrics should be stated in the third column). These initiatives will ultimately be entered into the ESM tool. We plan to present our September 2018 to September 2019 on these initiatives in our September meeting of the Board of Regents. It will be helpful to hear from you at tomorrow's Leadership Meeting about how much time you think it might take to do this.

Speaking of ESM, most implementation initiatives listed there have more than one leadership member as an owner. We would like to identify one owner as the point of contact for each initiative in ESM (for your convenience initiative names, leadership owners, and project managers are listed in the attached spreadsheet). For each initiative of which you are a leadership owner, please consult with leadership co-owners and decide which of you will serve as the point of contact for that initiative. Again, it would be good to get a sense of how long you might need to do this at tomorrow's meeting.

Your help with this is much appreciated - Mike

Michael F. Huerta, Ph.D.
Director
Office of Strategic Initiatives
Associate Director
National Library of Medicine
National Institutes of Health
301-827-6451

METRICS FOR MEASURING IMPLEMENTATION OF THE STRATEGIC PLAN
[Need to add in activities from the ESM tool]

STRATEGIC PLAN GOAL/OBJECTIVE	INITIATIVE	METRICS – INITIATIVE TARGET
1-Accelerate discovery and advance health through data-driven research		
1.1 Connect the resources of a digital research enterprise	Link articles to associated data sets - JO	Number of articles in PubMed linked to data sets – xxxx articles w/ linked data by 2022 (???)
1.2 Advance R&D in biomedical informatics and data science	Expand funding for intramural research – MC, JO (with Eddie)	Intramural research program budget (growth from baseline)/ % of total NLM budget.
	Hire NLM-wide scientific director (MH)	Lay out timeline and process - Hire by end of CY2019
	Hire more intramural investigators (JO)	Number of investigators in NLM IRP – get 3 more by end of CY2019
	Expand funding for extramural research to support new biomedical data-science initiatives (RPG and SBIR) (VF)	Number of new initiatives Number of RPG grants funded from new initiatives Number of SBIR grants funded from new initiatives
	Expand collaboration with other ICs and agencies on data science oriented FOAs (VF)	Number of multi-IC or agency FOAs joined Number of new grants funded from joint FOAs in data science areas
	Persistent unique IDs w/in NLM systems (MH)	
	BMIC criteria for data repositories (MH)	
	OSTP criteria for data repositories OSTP data management plan guidance	

	(JS/MH)	
1.4 Create sustainable institutional, physical, and computational infrastructure	Migrate high availability resources to the cloud (JO/ID)	Number of resources in the cloud % of resources migrated
2—Reach more people in more ways through enhanced dissemination and engagement		
NOTE: establishment of centralized Outreach organization in NLM advances all of the below		
2.3 Support research in biomedical and health information access methods and information dissemination strategies	Increase support for G08 resource grants by expanding funding to one FOA per year (VF)	Number of applications funded
	Support scholarly works G13 grants relating to interests of primary NLM audiences (VF)	Number of applications funded
2.4 Enhance information delivery	MITRE Assessment ? (ID/JO)	Implement a digital scorecard platform for measuring customer experience; establish performance indicators for **at least five** major NLM public-facing information resources.
	Support NN/LM activities to enhance understanding of data science and advanced data management (JB)	Number of NN/LM initiatives with data science focus Number of participants in data-science focused NN/LM initiatives
3--Build a workforce for data-driven research and health		
3.1 Expand and enhance research training for biomedical informatics and data science	Expand extramural training grant support for predoctoral biomedical data science (Ts) - VF	Number of predoctoral trainees in NLM-supported programs in data-science tracks
	Increase funding for postdoctoral fellowships in data science for mid-career researchers (Fs) - VF	Number of postdoctoral trainees in NLM-supported fellowships
	Increase funding for career transition awards in biomedical data science (Ks) - VF	Number of data-science focused K awards

3.2 Assure data science and open science proficiency	Support partnerships to share NLM curriculum materials in biomedical data science with other NIH training programs	Number of partnerships supported
	NLM Data science assessment/training (JB)	
3.3 Increase workforce diversity	Increase support for training partnerships with MSIs - VF	Number of projects supported Evidence of biomedical data science in curricula of MSI partners
	Increase support for partnerships with I-schools - VF	Number of projects supported Evidence of biomedical data science in curricula of I-school partners

Project Manager	Leadership Team Owners	Initiative name
Dina Demner-Fushman	NA	1.1a Assessment of MeSH and Auto-Indexing
Deborah Ozga	Jim Ostell Joyce Backus	1.1b MEDLINE 2022
Beth Melby	Ivor D'Souza Jim Ostell	1.1c NLM Portfolio Assessment by MITRE
Peter Seibert	Mike Huerta Joyce Backus	1.1d DATaset Metadata Model (DATMM) Initiative
Anna Ripple Dianne Babski	NA	1.1e CDE Repository Study
Elizabeth Kittrie	Jerry Sheehan Valerie Florance	1.2a Blue Ribbon Panel Review of NLM Intramural Research Program
Hua-Chuan Sim Jane Ye	Mike Huerta Valerie Florance	1.2b NLM-NSF MOU Innovative Mathematical, Statistical, and Computational Approaches to Biomedical Data Science
Hua-Chuan Sim	Valerie Florance	1.2c FOA on at-scale curation approaches
NA	Jerry Sheehan Mike Huerta	1.2d Data Science & Open Science Workshop
Alicia Ross Hua-Chuan Sim	Valerie Florance	1.2e Expand funding for extramural research to support new biomedical data-science initiatives (RPG and SBIR)
Alicia Ross	Valerie Florance	1.2f Expand collaboration with other ICs and agencies on data science oriented FOAs
Evgeny Kireev	Florence Chang	1.4a TOXNet platform migration
Janice Kelly	Jim Ostell	1.4a TOXNet platform migration
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b1 IT Assessment - Team 1
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b2 IT Assessment - Team 2
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b3 IT Assessment - Team 3
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b4 IT Assessment - Team 4
Rajesh Bhandari	Florence Chang Ivor D'Souza Jim Ostell	1.4b5 IT Assessment - Team 5
NA	Mike Huerta	1.4f Assessment of Trans-NLM Central Functions
Lisa Federer	Mike Huerta	1.4g Project Management for Implementation Initiative
Mark Ziomek	Joyce Backus Todd Danielson	1.4h Workspace Initiative-Redesign First Floor of Building 38
Kathel Dunn Kathy Cravedi	Mike Huerta	1.4i NLM Strategic Plan Communication (internal)
Michael Simpson	Ivor D'Souza	1.4j Data Center Reliability Project
Elizabeth Kittrie	Mike Huerta Patti Brennan	1.4k NAS Study on Forecasting Costs of Data Preservation and Management
NA	Mike Huerta Todd Danielson	2.1a Outreach planning
Fred Wood	Mike Huerta	2.1b Assessment of Tools used for NLM Resource Evaluation
Fred Wood	Mike Huerta	2.1c Assessment of Comparative Web Metrics
NA	Jim Ostell	2.1d User Experience / User Development Initiative
Kathy Cravedi	Mike Huerta	2.1e External Communications Plans & Information Resources
Alicia Ross	Valerie Florance	2.1f Informatics Professionals Outreach, Training and Development
Kathy Cravedi	Joyce Backus	2.2a Branding of NLM
Alicia Ross	Valerie Florance	2.3a Expand support for research grants that address user needs through the Personal Health Libraries FOA
Alicia Ross	Valerie Florance	2.3b Increase support for G08 Resource Grants
Alicia Ross	Valerie Florance	2.4a Support NN/LM activities to enhance understanding of data science and advanced data management
Lisa Federer	Mike Huerta	3.1a Data Science Core Skills Analysis
Alicia Ross	Valerie Florance	3.1b Expand extramural training grant support for predoctoral biomedical data science (Ts)
Alicia Ross	Valerie Florance	3.1c Increase funding for postdoctoral fellowships in data science for mid-career researchers (Fs)
Lisa Federer	Mike Huerta	3.2a Report on State of Data Science Training
Maryam Zaringhalam	Mike Huerta	3.2b1 Reproducibility for Intramural Scientists Workshop
Maryam Zaringhalam	Mike Huerta	3.2b2 Second Reproducibility for Intramural Scientists Workshop
Lisa Federer	Mike Huerta	3.2c Data Science for Librarian Workforce Workshop
Lisa Federer Maryam Zaringhalam	Mike Huerta	3.2d Assessment of extramural staff data science training needs
Alicia Ross	Valerie Florance	3.2e Support partnerships to share NLM curriculum materials in biomedical data science with other NIH training programs
Alicia Ross	Valerie Florance	3.3a Increase support for training partnerships with MSIs
Hua-Chuan Sim	Valerie Florance	3.3b Increase support for partnerships with I-schools
Alicia Ross	Valerie Florance	3.4b Expand support for summer research training at NLM training programs for high school and undergraduate students
NA	Mike Huerta Milt Corn	R1 Recruit Chief Data Science Innovator
NA	Clem McDonald Jim Ostell	R2 Data Science Senior Investigator
NA	Clem McDonald Jim Ostell	R3 Data Science Tenure Track Investigator
NA	Clem McDonald Jim Ostell	R4 Data Science Tenure Track Investigator (clinical)
NA	Mike Huerta	R5 Data Science & Open Science Staff Positions
NA	Jim Ostell	R6 Director, User-Centered Design

NA	NA	R7 Health Data Standards Officer

From: Backus, Joyce (NIH/NLM) [E]
Sent: 28 Mar 2019 18:49:22 +0000
To: Gillikin, David (NIH/NLM) [E]
Cc: Babski, Dianne (NIH/NLM) [E]
Subject: RE: March meeting: Toxnet integration into NCBI databases

Thanks, David for attending and for this perspective. Sounds like we have miles to go before we sleep, or get these issues resolved anyway.
Joyce

From: Gillikin, David (NIH/NLM) [E]
Sent: Thursday, March 28, 2019 2:40 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: March meeting: Toxnet integration into NCBI databases

Joyce
I went to the March meeting today for the Toxnet integration into NCBI databases group. Florence was the only SIS staff member there. Kim Pruitt, Bart Trawick, Jeff Beck and other NCBI staff were there. The topics were primarily about the progress being made on data sources. We also saw how content has been included in the new PubChem interface.

Florence brought up the issue about how will toxicology users easily get to data previously found in Toxnet. This isn't easy for PubMed and even less easy for PubChem.

It was my impression that the NCBI staff is still not focused on providing a Toxicology focused interface, which is different from what Florence and Jean G. have expressed or what I've heard you talk about from the Director's Office. I did bring up that I understood that there is an expectation from Patti's office, but didn't pursue it since this was my first meeting.

From the NCBI point of view, Evan pointed out that not all content in PubChem (the content not from SIS) is properly tagged to provide a filter for toxicology content. And there was concern about setting up interim pages that could get lost later. We did determine that Florence and David Arndt would try to get some usage data about different SIS pages to more clearly understand which pages are used heavily or lightly.

I think it would be worthwhile to have Kim P and probably Bart on board with the idea of a Toxicology focus, if that is truly what Patti is expecting. I came away with the impression that there is a disconnect by the different parties involved, and it needs to be cleared up one way or another.

David

++++++++++++
Toxnet integration into NCBI databases
March 28, 2019
1:00 pm

Confluence page: https://wiki.nlm.nih.gov/confluence/display/TWG/TOXNET+Working+Group+Home

Monthly progress check meeting with Florence / NLM SIS and PubChem / Bookshelf product owners to review Toxnet project status against the goals as stated by Florence below:

- Get all the HSDB and ChemID data into PubChem
- Get some of the TOXLINE subsets into Literature databases (PubMed? PMC?)
- Get some datasets such as LactMed into Books
- Make sure there are APIs to query the data and get the results through API
- Document the requirements
- Work on the “tox” interface design (NCBI)
- Do some user testing
- Develop the “tox” interface, search, and “tox” view (NCBI)
- Testing
- Deployment

WebEx info:

From: Nurik, Jody (NIH/OD) [E]
Sent: 1 Apr 2019 16:09:15 -0400
To: Middleton, Grace (NIH/NLM) [C]
Subject: FW: Sunset offerings that have been approved by Jerry
Attachments: FORM REQUEST TO RETIRE NLM TOXMAP March2019FINAL.docx, FORM REQUEST to sunset CPDBrevFinal.docx, GeneEd_FORM REQUEST TO RETIRE NLM RESOURCE_v1.docx, ToxLearn_FORM REQUEST TO RETIRE NLM RESOURCE_rev.docx, toxmystery_FORM REQUEST TO RETIRE NLM RESOURCE_v2.docx, Request to Retire NLM Resource Chirr.docx

FYI…

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Office phone: 301-827-7615

From: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>
Date: Monday, April 1, 2019 at 12:15 PM
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Cc: "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>
Subject: Sunset offerings that have been approved by Jerry

Jody,

Here are all the sunset requests that we submitted on the paper form. GeneEd and ToxMystery are already taken down. ToxLearn is still in process as we are waiting for an Letter of Intent with Society of Toxicology to be completed. We will process CPDB, CHIRR, and TOXMAP in the next couple of weeks.

The next batch of sunset requests will be through the sunset portal interface. Thanks!

Florence

REQUEST TO RETIRE NLM TOXMAP

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) The US EPA now produces several GIS products and visualization applications (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality, except the ability to search TOXNET from within the GIS tools. This was a unique feature in TOXMAP-classic, which was retired due to the obsolete technology platform. The new version of TOXMAP does not have this feature either. To make the new TOXMAP to have this feature will require major investment in software development. We cannot justify the effort because the usage of this feature was very low, averaging about 400 searches a year.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) HFC 3/26/2019

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director JS 3/27/2019
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff. Identify who needs to be informed? (staff, contractors) SIS staff, NLM staff, NNLM staff and core set of dedicated users from the Public Health and Toxicology Communities.

1. Determine questions that may need to be addressed. These may include:
   What information needs to be provided? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now

provides several GIS products that provide similar GIS functionality of TOXMAP.

- When will the information be provided? **End of FY2019**
- By what method(s) will information be provided? Example: Email to all NLM staff Email, GovD posts, announcement on TOXMAP web site
- If multiple messages are to be sent, by what method(s) and with what frequency? Over a three-month period.
- Are there any potential areas for misunderstanding or concern? None except the non-technical users of TOXMAP may have a high learning curve to transition to the EPA GIS tools.

2. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? TOXMAP will be retired because the US EPA now provides several GIS products that provide similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) US EPA GIS applications and TRI applications; possibly NLM TOXNET TRI
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS.
    - What staff will be involved in this transition? Colette Hochstein
3. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):

    ☒ Emails

    ☒ Signage

    ☐ Information delivered at staff meetings

    ☐ Point of discussion at brown bag luncheons

    ☐ Town Hall meetings, etc.

    ☐ Other (Explain) Enter other mechanism(s)
4. Develop and attach a set of Talking Points for the NLM Director TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program. It will be retired at the end of FY2019. the US EPA now provides several GIS products that provide similar GIS functionality.
5. Does the NIH Director or other IC Directors need to be informed? Yes

    If Yes, check all that apply:

    ☒ The service is produced jointly with another IC or serves an audience of interest to the IC

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☒ Other (Please elaborate) NIEHS Director should be notified as NIEHS serves user communities that have interest in TOXMAP. SIS has also worked for many years with the US EPA regarding the data and functionality of TOXMAP. Their staff should be informed of its status.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other original sources. GIS application users can access them by overlaying the data in their GIS applications. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other sources. GIS application users can access them by overlaying the data to the maps. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS
    - How can I or how can my group be involved in this transition? Provide related information as needed.

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Colette Hochstein, Florence Chang

☐ Due date 9/30/2019

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
   - When will the information be provided? Starting Summer 2019)
   - With what frequency? Monthly
   - Are there potential areas for misunderstanding or concern? Probably not.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI. Links to direct users to these external data sources will be provided on the TOXMAP home page for 6 months prior to the sunset.
   - How will NLM respond to questions and comments? Staff will respond to questions received through customer service emails
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Name	Colette Hochstein, Florence Chang

REQUEST TO RETIRE CARCINOGENIC POTENCY DATABASE (CPDB)

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☒ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☒ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☐ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☒ Other (Please explain) The Carcinogenic Potency Database (CPDB) is an archival database with low and decreasing usage. It provides historical information from the years 1980 - 2011. It is no longer updated. It was created at the University of California, Berkeley, and when they no longer wanted to maintain access to it after it was no longer being built, they asked us to take it. CPDB reports analyses of animal cancer tests on 1547 chemicals. CPDB includes 6540 chronic, long-term animal cancer tests, both positive and negative for carcinogenicity, from the general published literature as well as the National Cancer Institute and the National Toxicology Program (NTP). Such tests were used in support of cancer risk assessments for humans. CPDB was developed by the Carcinogenic Potency Project at the University of California, Berkeley and the Lawrence Berkeley National Laboratory. The usage of CPDB has consistently dropped over the past years to 0.007% of TOXNET usage in FY2018. Of TOXNET's 27,582,034 page views in FY2018, only 1930 page views were for CPDB.

II. **Approval.** This form must be signed by:

- **NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD)** HFC 3/26/2019

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:

  NLM Director Initial Here Date

  NLM Deputy Director JS 3/27/2019

  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Staff are aware of the plan. Additional groups include NNCO, NNLM, and toxicology community via our listserv.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? That the CPDB was a resource taken from the University of Berkeley after they stopped supporting it and wanted an archival home for a few years. That the information will be available on NLM's ftp site for 6 months after sunsetting.
    - When will the information be provided? 5/31/2019
    - By what method(s) will information be provided? Example: Email to all NLM staff Post on database web pages, and send to OCPL for distribution.)
    - If multiple messages are to be sent, by what method(s) and with what frequency? One round
    - Are there any potential areas for misunderstanding or concern? none
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? The information is outdated and little used. It is not in a form that lends itself to conversion to Bookshelf)
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) The evaluated and annotated content, currently searchable on TOXNET, will no longer be available on TOXNET. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site. The citations of referenced literatures are available on PubMed.
    - What will happen to the staff working on the product or service? No staff resources used now
    - What staff will be involved in this transition? Florence Chang, Phil Thomas
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☒ Information delivered at staff meetings
    - ☐ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☒ Other (Explain) listserv
5. Develop and attach a set of Talking Points for the NLM Director The information is outdated and little used. It is not in a form that lends itself to

conversion to Bookshelf). The resource was a labor intensive one developed by Berkeley staff and transitioned to NLM when UC Berkley terminated the project. This resource is not in a format that can be converted to another NLM database or Bookshelf. The data will remain available on NLM's ftp site.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☐ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? The information is outdated and little used. Cannot be converted to new format for TOXNET move to NCBI.
   - What content, if any, will still be available and, if so, why and where? The data will remain available on NLM's ftp site. Journal literature on which it is based is still available via PubMed.
   - What will happen to the staff working on the product or service? No staff work on this other than routine IT deployment /support issues .

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? The resource is outdated and little used. It cannot be converted to a new format for other NLM databases or Bookshelf. The resource will be taken down from TOXNET end May 2019
   - What content, if any, will still be available and, if so, why and where? Journal literature on which it is based is still available in PubMed. The archived content will be made available in compressed format on NLM FTP server.
   - What will happen to the staff working on the product or service? No staff
   - How can I or how can my group be involved in this transition? Enter possible support option(s)

3. Identify what needs to be completed:

   ☐ Deliverables Specify

   ☒ Responsible party or parties for the sunsetting process TOXNET IT

   ☒ Due date 5/31/20195/31/2019

   Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☒ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
    - What information will be provided? Sunset of CPDB
    - When will the information be provided? Starting after approval
    - With what frequency? Enter frequency
    - Are there potential areas for misunderstanding or concern? no
    - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? Journal literature on which it is based is still available in PubMed. The archived content will be made available in compressed format on NLM FTP server.
    - How will NLM respond to questions and comments? Email via customer service system
    - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Jeanne Goshorn Jeanne.goshorn@nih.hhs.govJeanne.goshorn@nih.hhs.gov

REQUEST TO RETIRE GeneED

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☒ Other (Please explain) Some content will be emerged into Genetics Home Reference

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Florence Chang 10/26/2018

X

Hua Florence Chang
Acting Associate Director, SIS

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:

NLM Director Initial Here Date

NLM Deputy Director Initial Here Date

X

Jerry Sheehan
NLM Deputy Director

NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Staff that work on the project have been informed. SIS has already met with Genetics Home Reference and begun the process of determining what content to take. Additional groups include LHS staff, consumer health meet-up group, NNCO, NNLM, NSTA and NBT associations. Our contractor that works on programming and development of the platform have already been informed, but we will notify them again once this plan has been approved.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? That some GeneEd content will be merged into Genetics Home Reference. GeneED will shut down on March 31, 2019.
    - When will the information be provided? Enter date
    - By what method(s) will information be provided? Example: Email to all NLM staff It is already posted on the website that it will shut down on March 31, 2019. Email to NLM staff, OCPL for social media distribution, NNCO and NNLM, post to K-12 listserv, and SIS Twitter accounts
    - If multiple messages are to be sent, by what method(s) and with what frequency? One round of messaging is sufficient. It has been posted on the site since August 2018 that the site will be shutting down March 31, 2019.
    - Are there any potential areas for misunderstanding or concern? A benefit will be that consumers and educators will have one place to access consumer level genetics information.
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? SIS is consolidating its efforts for genetic information with GHR for efficiency. The focus of GeneEd – gene resources for teachers, will easily fold into Genetics Home Reference. GHR is widely used so it will give more visibility to the teacher resources.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) Content from GeneEd that is widely used will be transferred to Genetics Home Reference. A survey was added to the GeneEd home page in August asking which content users access the most and want to see transferred. Metrics from GeneEd are also being used to determine which content to move. It is important to note that GeneEd is a “link site” and there is no original content other than lesson plans developed by NLM. Some content was provided by the NHGRI may be moved to GHR – NHGRI also makes this same content available on their websites.
    - What will happen to the staff working on the product or service? Primary staff were contractors that have retired. The only work currently being done on this resource is link checking.

- What staff will be involved in this transition? Laura Bartlett from SIS and Kate Greenberg and Heather Collins from Genetics Home Reference.

4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):

   ☒ Emails

   ☐ Signage

   ☒ Information delivered at staff meetings

   ☒ Point of discussion at brown bag luncheons

   ☐ Town Hall meetings, etc.

   ☒ Other (Explain) A notice on the site indicates GeneEd will be shutting down March 31, 2019. This decision was made before NLM had resource retirement guidelines in place.

5. Develop and attach a set of Talking Points for the NLM Director GeneEd, an educator's resource for genetics education materials for grades 9 to 12, will be retired as of March 31, 2019. Some content will be merged with Genetics Home Reference to create a single access point for the Library's genetics information for the public. We have found that many students and educators are already using Genetics Home Reference, so this merger increases efficiency to reach these audiences. GeneEd is conducting a survey, available on the site, to determine which content is most important to regular users. We are also analyzing usage metrics to determine which areas of GeneEd have the highest traffic. These data will help us decide which materials from GeneEd are most appropriate to transfer to Genetics Home Reference.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☒ Other (Please elaborate) When GeneEd was first created, SIS worked with NHGRI for advice and obtain content produced by NHGRI. We will need to inform them of our decision and "pass off" the relationship to Genetics Home Reference.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? GeneEd is merging with Genetics Home Reference to create one access point for genetics information for the public.
   - What content, if any, will still be available and, if so, why and where? GeneEd is conducting a survey, available on the site, to determine

which areas are most important to current users. We are also looking at the usage metrics to determine which are the most popular areas.

- What will happen to the staff working on the product or service? They were contractors and they have already departed NLM.

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? GeneEd website will be sunset March 31, 2019.
   - What content, if any, will still be available and, if so, why and where? We are shutting down GeneEd March 31, 2019, and relevant content will be moved to Genetics Home Reference.
   - What will happen to the staff working on the product or service?
   - How can I or how can my group be involved in this transition? Take the survey on the site.

3. Identify what needs to be completed:

   ☐ Deliverables Specify

   ☒ Responsible party or parties for the sunsetting process Laura Bartlett and Janice Kelly

   ☒ Due date 3/31/2019

   Identification of communication channels. These could include (Check all that apply):

   ☒ emails to stakeholders and users

   ☐ signage

   ☒ NLM homepage (public news announcement)

   ☐ speeches

   ☒ social media including Facebook, Twitter, LinkedIn, etc.

   ☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

   ☒ Other (Please Explain) We typically exhibit at the annual National Science Teachers Association meeting in spring – and occasionally at the National Biology Teachers Association. We will announce it at our booth and potentially send an announcement for their newsletters and listservs.

   Determine questions that may need to be addressed, including:
   - What information will be provided? The sunsetting of GeneEd and the information additions to GHR.
   - When will the information be provided? Jan 2019
   - With what frequency? Enter frequency
   - Are there potential areas for misunderstanding or concern? Likely not – NLM considers k-12 an audience and we have many resources. Letting people know content will be going to Genetics Home Reference will likely curb anxiety, if any exists.

- After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? Genetics Home Reference
- How will NLM respond to questions and comments? Staff will directly respond to questions received through customer service emails.
- Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No – the resource had a limited audience of teachers and students. They will gain access to more information by using Genetics Home Reference.

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Laura Bartlett bartlettl@mail.nih.gov

REQUEST TO RETIRE AN NLM RESOURCE

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. In contrast, ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. Also, ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) HFC 11/27/2018

X _____

Hua Florence Chang
Acting Associate Director, SIS

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  - NLM Director Initial Here Date
  - NLM Deputy Director Initial Here Date
  - NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Only SIS staff have been informed. We will need to inform all NLM staff, and the RMLs.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? ToxLearn has been supplanted by ToxTutor. ToxLearn is retiring due to its format in Adobe Flash and because several of its modules were never completed. In contrast, ToxTutor has been updated and enhanced and is NLM's online toxicology tutorial of choice.
    - When will the information be provided? 12/1/2018
    - By what method(s) will information be provided? Example: Email to all NLM staff Digital signage within NLM. Emails to key contacts at outside organizations, e.g., Society of Toxicology. Also to be announced during NLM exhibits.
    - If multiple messages are to be sent, by what method(s) and with what frequency? One time communications are planned.
    - Are there any potential areas for misunderstanding or concern? No, because ToxTutor is a far more current and comprehensive tutorial, and does not use Adobe Flash. It is compatible with the devices users are expected to use.
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? ToxLearn has been supplanted by ToxTutor. ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. It is compatible with the devices users are expected to use to access it.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) SOT will host the archived version of ToxLearn, provided by NLM. NLM do not plan to keep any of the content up, or available. Its unique format in Adobe Flash does not lend well to keeping the content up.
    - What will happen to the staff working on the product or service? The NLM project lead for ToxLearn retired at the end of 2017 and there has been no further work on it.
    - What staff will be involved in this transition? Pertti (Bert) Hakkinen.
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☒ Information delivered at staff meetings
    - ☒ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☐ Other (Explain) Enter other mechanism(s)
5. Develop and attach a set of Talking Points for the NLM Director Click or tap here to enter text.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☐ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. In contrast, ToxTutor has been updated and enhanced and it is a far more current and comprehensive tutorial. ToxTutor now serves as the online tutorial of choice. ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use. An archived version of the ToxLearn will be hosted on SOT Web site.
   - What content, if any, will still be available and, if so, why and where? None
   - What will happen to the staff working on the product or service? The NLM project lead for ToxLearn retired at the end of 2017 and there has been no further work on it.

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use.
   - What content, if any, will still be available and, if so, why and where? SOT indicated that they will host an archived version of ToxLearn on the SOT Website.
   - What will happen to the staff working on the product or service? They have already retired
   - How can I or how can my group be involved in this transition? None

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Pertti (Bert) Hakkinen

☒ Due date 12/31/2018

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☒ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☒ Other (Please Explain) Ask the Society of Toxicology to note this in its online "news" messaging to members.

4. Determine questions that may need to be addressed, including:
   - What information will be provided? .
   - When will the information be provided? December 1, 2018
   - With what frequency? once
   - Are there potential areas for misunderstanding or concern? No once the following is explained: ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? The archived version of ToxLearn will be available on the SOT Website.
   - How will NLM respond to questions and comments? Will answer emails sent to customer service
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No. Our explanation should be enough.

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Pertti (Bert) J. Hakkinen, Ph.D..	P: 301-827-4222. Pertti.hakkinen@nih.gov

REQUEST TO RETIRE Toxmystery

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) Toxmystery is a game website that was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. The cost to update the game to another format is prohibitive.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD Florence Chang) 10/26/2018

  Invalid signature

  X Hua Florence Chang

  Hua Florence Chang
  Acting Associate Director, SIS
  Signed by: Hua F. Chang -S
- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:

  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Only SIS staff have been informed. We will need to inform all NLM staff, OCPL, RMLs, and teachers.
2. Determine questions that may need to be addressed. These may include:

- What information needs to be provided? Toxmystery is retiring because it is in Adobe Flash and cannot be used effectively on Web browsers including tablets, desktops, and other educational devices.
- When will the information be provided? 11/1/2018
- By what method(s) will information be provided? Example: Email to all NLM staff Digital signage. It was announced at the NLM consumer health meet-up over the summer. Another announcement will be made at that group when we have shutdown approval.
- If multiple messages are to be sent, by what method(s) and with what frequency? A notice on the website for two months and one notice to all user groups
- Are there any potential areas for misunderstanding or concern? Because Toxmystery contains information on chemicals, the shutdown may potentially inhibit this very basic information about chemicals for those with low reading levels. More up to date materials can be found on the CDC, NIEHS and EPA websites. The uniqueness of the resource was the game-like interface with certificate for completion of the game.

3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? Toxmystery is a game website designed in Adobe Flash that is not used on tablets, desktops, or other educational devices.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) We do not plan to keep any of the content up, or available. Its unique format in Adobe Flash does not lend well to keeping the content up. Transferring it to another format is expensive.
    - What will happen to the staff working on the product or service? This resource has been in "maintenance mode" by IT staff at SIS. Those IT staff have other work assigned.
    - What staff will be involved in this transition? Laura Bartlett and Janice Kelly
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☒ Information delivered at staff meetings
    - ☒ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☒ Other (Explain) Enter other mechanism(s)
5. Develop and attach a set of Talking Points for the NLM Director ToxMystery, a game about chemicals in the household, will be retired on December 31,

2018. The game was built in the Adobe Flash, a format not supported tablets, most Web browsers, and other educational devices. Although the game has provided years of fun and entertainment, we have decided to retire the resource. NIEHS and EPA have built several learning activities for youth that can teach them about chemicals and environmental health.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☒ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? ToxMystery, a game about chemicals in the household, will be retired on December 31, 2018. The game was built in Adobe Flash. Although the game has provided years of fun and entertainment, we have decided to retire the resource. NIEHS and EPA have built several learning activities for youth that can teach them about chemicals and environmental health.
   - What content, if any, will still be available and, if so, why and where? None
   - What will happen to the staff working on the product or service? This resource has been in "maintenance mode" for years by SIS IT staff. They are now assigned to new projects.

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? ToxMystery, a game about chemicals in the household, will be retired on December 31, 2018. The game was built in Adobe Flash, a format not supported by tablets, most Web browsers, or educational devices. Although the game has provided years of fun and entertainment, we have decided to retire the resource. NIEHS and EPA have built several learning activities for youth that can teach them about chemicals and environmental health.
   - What content, if any, will still be available and, if so, why and where? None.
   - What will happen to the staff working on the product or service? IT support staff work on other assignments.
   - How can I or how can my group be involved in this transition? None

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Laura Bartlett and Janice Kelly

☒ Due date 12/31/2018

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☒ signage

☒ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? ToxMystery, a game about chemicals in the household, will be retired on December 31, 2018. The game was built in Adobe Flash, not supported on tablets, most Web browsers, and other educational devices. Although the game has provided years of fun and entertainment, we have decided to retire the resource. NIEHS and EPA have built several learning activities for youth that can teach them about chemicals and environmental health.
   - When will the information be provided? November 1, 2018
   - With what frequency? once
   - Are there potential areas for misunderstanding or concern? Because Toxmystery contains basic, general information on chemicals, the shutdown may potentially inhibit information about chemicals for those with low reading level. This information can be found at CDC, NIEHS, and EPA websites. The uniqueness of the resource is its game-like interface with certificate of completion. Its Adobe Flash format is now outdated for educational devices and users of Chrome and Firefox Web browsers.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? Other government websites
   - How will NLM respond to questions and comments? Will answer emails sent to customer service
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No. Our explanation is legit.

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Laura Bartlett bartlettl@mail.nlm.nih.gov

REQUEST TO RETIRE AN NLM RESOURCE

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.d

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☐ Other (Please explain) Other Justification(s)

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Initial Here Date

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) The CHIRr website assists external customers, namely health communication and consumer health informatics researchers -- not NLM employees. Similar content is being developed through NIH and NLM Common Data Element initiatives should NLM staff need a resource.
2. Determine questions that may need to be addressed. These may include:
   - What information needs to be provided? Not applicable
   - When will the information be provided? 1/28/2019
   - By what method(s) will information be provided? Example: Email to all NLM staff Staff will be informed through the Technical Bulletin notice and NLM social media posts. If requested, a separate email can b sent to customer service staff .

- If multiple messages are to be sent, by what method(s) and with what frequency? Technical Bulletin, NLM/OCPL social media outlets, notice on website and email to customer service staff
- Are there any potential areas for misunderstanding or concern? Not applicable

3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? CHIRr provides a resource of outcome variables and suggested measures to guide a comprehensive consumer health informatics assessment. In 2018, there were 36,600 unique visitors, 46,609 visits, and 693,000 pages. NLM's priorities regarding consumer health informatics is to focus on health literacy research, not consumer health informatics. Therefore, it no longer aligns with NLM priorities. Similar content to CHIRR is being developed through NIH and NLM Common Data Elements initiatives.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) NLM may wish to archive this resource
    - What will happen to the staff working on the product or service? The few, impacted NLM staff have transferred to other NLM divisions to to work on other NLM priorities.
    - What staff will be involved in this transition? Staff responsible for the sunsetting and possible archiving if required
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):

    ☐ Emails
    ☒ Signage
    ☐ Information delivered at staff meetings
    ☐ Point of discussion at brown bag luncheons
    ☐ Town Hall meetings, etc.
    ☒ Other (Explain) The website was not used internally, so internal outreach regarding its cancellation is not needed. Staff will be informed through social media posts and the Technical Bulletin.
5. Develop and attach a set of Talking Points for the NLM Director The Consumer Health Informatics Research Resource (CHIRr) provides a resource of outcome variables and suggested measures to guide a comprehensive consumer health informatics assessment. It explains 19 health communication research conceptual frameworks. It does not affect the work of NLM staff. NLM's emphasis has shifted in recent years from consumer health informatics and health communication research professionals to health literacy researchers. In addition, similar content is being developed through NIH and NLM Common Data Elements initiatives.
6. Does the NIH Director or other IC Directors need to be informed? No

    If Yes, check all that apply:

☐ The service is produced jointly with another IC or serves an audience of interest to the IC

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☐ Other (Please elaborate) ?

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? CHIRr is a resource of outcome variables and suggested measures to guide a comprehensive consumer health informatics assessment. It explains 19 health communication research conceptual frameworks. In 2018, there were 36,600 unique visitors, 46,609 visits, and 693,000 pages. NLM's priorities regarding consumer health informatics is to focus on health literacy research, not consumer health informatics. Therefore, it no longer aligns with NLM priorities. Similar content to CHIRr is being developed through NIH and NLM Common Data Elements initiatives. Click or tap here to enter text.
    - What content, if any, will still be available and, if so, why and where? NLM may want to archive this resource
    - What will happen to the staff working on the product or service? The NLM staff working on CHIRr have been reassigned to other NLM divisions and NLM priorities.

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? Although the website explains 19 health communication research conceptual frameworks and had moderate use, NLM's emphasis has shifted in recent years from consumer health informatics and health communication research professionals to health literacy researchers. Similar content to CHIRr is being developed through NIH and NLM Common Data Elements initiatives.
    - What content, if any, will still be available and, if so, why and where? NLM leadership should determine if it should be archived
    - What will happen to the staff working on the product or service? The staff have transferred to other NLM divisions to work on other NLM priorities. The co-authors will be informed of the sunset plan. Transfer of the site them will be discussed.
    - How can I or how can my group be involved in this transition? NLM leadership should decide if the site should be sunset. OCPL will need to send social media posts about its sunset. The co-authors will need to decide if they want the site transferred to them.

3. Identify what needs to be completed:

☒ Deliverables Dependent on whether the site is transferred to the co-authors, sunsetted or archived

☒ Responsible party or parties for the sunsetting process SIS, OCPL, co-authors of webpage

☒ Due date 5/31/2019

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☒ signage

☒ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) ?

4. Determine questions that may need to be addressed, including:
   - What information will be provided? The date of sunsetting will be listed on the webpage, in a Tech Bulletin article and on NLM social media outlets.
   - When will the information be provided? Starting in Jan, 2019
   - With what frequency? The website notice will be live at the end of Jan., an email and Technical Bulletin article will be done two months prior to sunsetting. Social media posts will be sent again in May, the month it will be sunset.
   - Are there potential areas for misunderstanding or concern? Highly unlikely
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? To be determined. Will offer to transfer the webpage to the co-authors or will find NIH resources for communications planned
   - How will NLM respond to questions and comments? It is suggested OCPL explain the Consumer Health Informatics Research Resource website was cancelled due to change in NLM consumer informatics priorities. Customer Service should receive a pre-formulated response to give.
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) Highly unlikely

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Alla Keselman Keselmana@mail.nlm.nih.gov

From: Brennan, Patti (NIH/NLM) [E]
Sent: 2 Apr 2019 12:55:30 +0000
To: Brennan, Patti (NIH/NLM) [E];Danielson, Todd (NIH/NLM) [E];Corn, Milton (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E];Rivera, Eddie (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E]
Subject: Confirmed: Florence Chang SIS Budget Meeting
Attachments: SIS_FY 2019 Full Year Operating Budget Plan Jan 8 2019.xlsx

FY 2019 Full Year Funding Request

PROGRAM: ____SIS_____

Your Program Priority	Alignment to the NLM Strategic plans and Functional Statements	Service / Project / Activity Provided	Base Funding	New Funding Request	Outside NLM Funding	Expected outcome / projected service delivery	Impact to your program operations if the additional funding requested (column F) is not available?
1	1.4a, 2.1, 2.2, 2.3, 2.4, HNL 65/66/614	**Toxicology and Environmental Health, including:** • TOXNET, HSDB, ChemIDplus content building • Integration with NCBI • LactMed • Household Products Database, HazMap • Risk assessment databases: ITER, IRIS • Consumer databases: Pillbox, ToxTown • New toxicology databases	5,045,999	0	100,000	At this level we will be able to: • Continue HSDB and ChemIDplus content building and updating • Proceed with integration of TOXNET with NCBI • Sustain the content creation for LactMed • Fund the licenses of Houshold Products DB, HazMap, and TruvenHealth • Continue the risk assessment databases: ITER and IRIS • Maintain the currency of Pillbox and ToxTown • Support the development or improvement of new TOXNET • Support new activity of making HSDB data more machine readable	
2	1.3, 2.1, 2.2, 2.3, 2.4, HNL 68	**Public Health, Disaster/Emerging Health, including:** • DIMRC, DisasterLit, • CBRNE/HazMat tools: WISER, REMM, CHEMM, • New voice-activated assisstant • HealthReach • NASEM Forum • Data sharing project	2,771,487		392,000	At this level we will be able to: • Continue Disaster Lit content building and updating • Continue maintenance of the DIMRC website and update the topic pages • Sustain the content for WISER, REMM, CHEMM • Sustain all the platforms for WISER, CHEMM, REMM • Sustain the existing courses and webinars for the Disaster Information Specialist Program • Sustain the content of HealthReach • Continue data science initiatives including data sharing study • Continue WISER voice activated assistant prototype development • Continue participation in the NASEM forums	

3	**2.1, 3.4 HNL 67**	**Public Engagement and Awareness, including:** • Promoting awareness and access of NLM resources through training and outreach • Minority health community engagement, such as EnHIP, Native American outreach projects, Community Health Maps, etc. • Evaluation of SIS programs • American Indian high school students' data literacy project	2,146,796			At this level we will be able to: • Maintain and update currently developed tutorials • Exhibit at 5-10 meetings • Provide logistics for EnHIP annual meeting and fund 2-3 outreach projects • Maintain Community Health Maps program with 4-5 workshops, update blog and tutorial • Fund Native American outreach projects including Chickasaw Health Information Network • Fund 1-2 small Minority or tribal focused outreach projects • Perform one user evaluation study • Implement a health data literacy project at 2 American Indian high schools based on completed pilot project	
4	**1.3, 1.4, 3.2, HNL6/66**	**SIS core operations and divisional support:** • Administrative cost, parking, supplies • Equipment, desktops/laptops, servers • Travel, training • Socrata Open Data pilot • IT support contract	2,135,718			At this level we will be able to: • Maintain administrative operations • Support the desktop/laptop/equipment refresh for staff • Fund staff training, data science competency skill development, and travel • Sustain the Data Discovery Platform at Socrata • Fund the IT support contract for SIS contractors transitioned to OCCS • Refresh servers and equipment	
5	**?**	**One-Time funding for (...activity)**					
		Activity terminated - Knowledge River Scholar Program	(60,000)		Funds will be redirected to other outreach activities		
		Activity terminated - American Idnian Health Curation	(30,000)		Funds will be redirected to Native American Outreach		
		Activity terminated - Teen/Emerging Adult Health Literacy Projects	(50,000)		Funds will be redirected to other outreach activities		
			$12,100,000	**$0**	**$492,000**		

Forward Funding:

	Funding
FY 2018 funds used for FY 2019 activities	**$5,787,990**
FY 2019 funds needed to forward fund FY 2020 activities	**$4,845,541**

NOTE: Please use the worksheet "Contracts Listing" to enter your data.
AIDS contracts are listed but not included in the Sum.

Outside Funding from:

	FDA	The funding of $100K helps NLM to obtain data and UNII code from FDA. The FDA UNII code Substance Registry System is hosted on the ChemIDplus platform.		
	DOT	This funding of $27K will help NLM to get the DOT Emergency Response Guide (ERG) data into the WISER app. NLM develops the ERG app for DOT.		
	HHS/ASPR	This funding of $200K will help NLM to develop the REMM/CHEMM CBRNE tools.		
	NIEHS	This funding of $100K will help NLM to develop information resources and website for disaster response research.		
NCI/FIC/N	ICHD/NIEHS/NIA	This funding of $165K will co-fund the National Academy of Sciences forum and action collaboratives in disaster research.		

Staffing Issues:

We plan to hire # 3 new positions in support of ...

			NOTE:
	#1.	Chemist	#1. This position is already approved but not hired in FY2018.
	#2.	Technical information specialist (toxicology)	#2 is new position that need to approval by the NLM Director
	#3.	Technical information specialist (public health)	#3 is new position that need to approval by the NLM Director

Other Issues:

Any operational issues you would like the NLM Director to be aware.

1. Handling of the existing SIS contracts in the transition process
2. Branding of TOXNET in the NCBI platform; System owner in reporting
3. Personnel/hiring needs
4. Communication with external partners/collaborators
5. NLM's plan for improved efficiency in data curation/content creation

Contract (Vendor)	Description	Period of Performance	Completion Date of Recompetition in FY2019	FY2018 fund obligated to contract for FY2019 work	FY2019 fund for FY2019 work	FY2019 fund to be obligated to contract for FY2020 work	impact if not funded	Contract mechanism	% IT in cost	COR
HSDB content building (TRI)	TRI funding to add new and update existing HSDB records and for database enhancement including adding new data, features, fields, and more. Funding includes management of Scientific Review Panel meetings (2x/year).	7/2019 - 7/2020	Jul-2019	$200,000	$790,000	$230,000	content creation for HSDB would not continue. PubChem and TOXNET would be impacted for not having the high quality content.	GSA	0%	TBD
HSDB content building (Syracuse Research)	SRC funding to add new and existing HSDB records for environmental fate section and support database enhancement for related fields.	5/2019 - 5/2020	May-2019	$100,000	$365,000	$35,000	content creation for HSDB would not continue. PubChem and TOXNET would be impacted for not having the high quality content.	GSA	0%	TBD
ChemID system development (DS Federal)	DSFederal funding to support continued development and maintenance of applications and database maintenance.	9/2019-9/2020	Sep-2019	$234,994	$0	$234,994	Content creation for ChemIDplus would not continue. PubChem and TOXNET would be impacted for not having the high quality content.	A8 Small business	100%	Ying Sun
ChemID content building (Cygnus)	Cygnus funding to support chemical structure, data integration and updates for ChemIDplus	5/2019-5/2020	Apr-2019	$0	$159,500	$38,500	Content and chemical structures creation for ChemIDplus would not continue. PubChem and TOXNET would be impacted for not having the high quality content.	GSA	82%	Ying Sun
New toxicology data curation and data quality enhancement (ICF)	Supports new content curation by human and/or machine, data tranformation into machine-readable form.	9/2018-9/2019	Sep-2019	$0	$0	$350,000	New toxicology databases would not have contents. Data from existing tox databases would not be improved for machine-readability.	BPA	TBD	Bert Hakkinen
SIS and TOXNET computer system/IT support (ICF)	Contract for the main IT contract with ICF International for providing SIS computer system administration and information system development support.	9/2019 - 9/2020	Sep-2019	$880,000	$0	$800,000	TOXNET, before transition to NCBI, would not be maintained for operation. TOXNET data would not be properly transformed for data users such as NCBI.	NITAAC	100%	Florence Chang
Data science initiative	Supports new data science related initiatives, including Socrata license, and data sharing study, etc.	9/2019 - 9/2020	Sep-2019	$567,000	$0	$307,000	New data science initiatives would not continue	BPA	7%	Stacey Arnesen
DIMRC Enhancement (ICF)	Supports the DR2 and DisasterLit system enhancement and technology and innovation activities	9/17/2018-3/31/2020	Sep-2019	$165,000	$0	$0	FY2018 funding; 18 months period of performance to complete the task	BPA	80%	Stacey Arnesen
Disaster Info Support (ICF)	Includes support for librarian and computer programmer to support Disaster Lit, DIMRC web site, Disaster health informatics and communication innovation initiatives (training, communication)	9/2019 - 9/2020	Sep-2019	$525,000	$0	$525,000	DIMRC and DisasterLit would not continue	BPA	50%	Stacey Arnesen
WISER (Next Century)	To support the development of the tool for responding to hazardous material incidents. For maintenance for all platforms with minor enhancements and data (content) updates, and prototyping of voice-activated assistant.	9/2019 - 9/2020	Sep-2019	$650,000	$0	$550,000	Lots of upset first responders? WISER the app would not get updated with the current data on all platforms.	GSA	100%	Jen Pakiam

Special Population Resources Maintenance (ICF)	Staffing, IT support for HealthReach, American Indian Health, Arctic Health	9/2018-9/2019	Sep-2019	$112,000	$0		$0	HealthReach progress would slow due to lack of contract personnel support.	BPA	0.01%	Laura Bartlett
Consumer Health Resources: Maintenance (ICF)	Provide subject matter and IT expertise to support Tox Town's, Kids portal, and GeneEd	9/2018-9/2019	Sep-2019	$200,000	$0		$226,500	Tox Town would not continue	BPA	47%	Alla Keselman
AIDSinfo and AIDSource (ICF)	Manage daily operations of the AIDSinfo, infoSIDA and AIDSource services - the AIDSinfo website, guidelines and panels, and treatment information	9/2018-9/2019	Sep-2019	$2,372,362	$0	TBD		AIDSinfo and AIDSource would end, guidelines panels work and clinical practice guidelines would end and the AIDSinfo service would end.	BPA	9%	Nicole Scott
Special Population Resources Enhancement and Outreach (ICF)	Support special population resources including HealthReach, Arctic Health, and American Indian Health.	9/2018-9/2019	Sep-2019	$592,993	$0		320,000	Would end HealthReach materials translations and multiple formats to meet the NIH language access policy, development and evaluation of low literacy materials, and specialized IT support. Also would end the American Indian Data Literacy Project support.	BPA	3%	Laura Bartlett
Technical and Programmatic Support for Specific Population Projects (ICF)	Support services for outreach projects such as CHIC, Community Health Maps, etc	9/2018-9/2019	Sep-2019	$279,979	$0		$460,000	NLM would lose many of its minority based outreach projects - CHIC project, Community health maps, Knowledge River program, along with data collection and analysis projects, and user experience analysis projects.	BPA	2%	Janice Kelly
AIDSinfo and AIDSource: Supplemental Tasks (ICF)	Support for content development, outreach, training, evaluation, user studies, etc	9/2018-3/2020	Sep-2019	$1,327,596	$0	TBD		Would end: AIDSinfo and AIDSource resources; information dissemination, outreach and training activities in support of the resources; redesign and adaptations of website content; evaluation and usability studies; and technical assistance for webinars, consultations or promotional strategies.	BPA	17.00%	Nicole Scott
Maintenace and Development Support for SIS Programs Projects (ICF)	Provide comprehensive management and staffing services to the National Library of Medicine Specialized Information Services to support websites, services and activities	9/2018-9/2019	Sep-2019	$300,000	$0	TBD		Would lose subject matter experts for SIS resources and programs, health writers and editors, communication expertise, project coordinators and other staffing assistance	BPA	1%	Nicole Scott
Training and Outreach Support Services for NLM (ICF)	Subaward to ORAU for training and outreach support, promotion and logistical support to SIS	9/2018-9/2019	Sep-2019	$809,524	$0		$600,000	No exhibits, training courses would not be updated or maintained, learning management system support would end, no EnHIP technical and logistica support	BPA	0%	Nicole Scott
SUM of contracts > $100K (not include AIDS)				$5,616,490	$1,314,500		$4,676,994				
Sum of contracts <$100K				$171,500	$333,900		$168,547				
Total				$5,787,990	$1,648,400		$4,845,541				

From: Nurik, Jody (NIH/OD) [E]
Sent: 9 Apr 2019 11:43:53 -0400
To: Middleton, Grace (NIH/NLM) [C]
Subject: FW: sunsets
Attachments: TalkingPoints_OD_ProbeDB_LibraryLinkOut.docx
Importance: High

Can you help on this? First step review Jerry's ToxMap and CPDB talking points and then circulate to appropriate program staff? Thanks!

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Office phone: 301-827-7615

From: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Date: Tuesday, April 9, 2019 at 9:51 AM
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Subject: sunsets

Jody,
Can you and relevant program staff give the attached document a quick review before I send it to Dr. Tabak? I've added ToxMap and CPDB.
Thanks
Jerry

Jerry Sheehan
Deputy Director
National Library of Medicine | National Institutes of Health
8600 Rockville Pike, Bethesda, MD 20894-3808 USA
Tel: +1 301 496 6661; Mobile: Personal Info; Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
http://nlm.nih.gov

Larry,

Below is a summary of four more NLM services that we plan to sunset in coming months. We continue to review our portfolio and refine our procedures for sunsetting services. I expect to send you additional sunset updates in coming weeks.

Thanks,
Jerry

1. Probe Database (Probe DB) – Proposed sunset date: August 1, 2019

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Why no longer needed: With the advent of short read sequencing, the need for these technologies has declined. Sequence submissions to the Probe database have dwindled to only a couple of submissions per month. Additionally, to maintain the resource, the submission interface would need to be updated to accommodate a code library update. Given the exceedingly low submission and use rate, and evolving research trends, investing in redeveloping the submission interface is not cost-effective.

Critical issues: The content of the database will continue to be available on NLM/NCBI's FTP site.

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Original purpose: TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program.

Why no longer needed: The US Environmental Protection Agency now produces several GIS products and visualization applications that have similar data and GIS functionality. Use of unique TOXMAP features (e.g., the ability to search TOXNET from within the GIS tools) has declined to a level too low to justify continued NLM investment in technological upgrades necessary.

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Original purpose: CPDB is an archival database with historical information from the years 1980-2011 reporting on the analyses of animal cancer tests on 1547 chemicals. CPDB was developed by the Carcinogenic Potency Project at the University of California, Berkeley and the Lawrence Berkeley National Laboratory and transitioned to NLM at the end of the project.

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Critical issues: The evaluated and annotated content will no longer be available on TOXNET. Data files will continue to be available for download from the NLM FTP site. Cited literature will continue to be available via PubMed.

4. Consolidation of three LinkOut for Libraries programs into a single service: Library LinkOut Outside Tool – Proposed sunset date: December 31, 2019

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From: Middleton, Grace (NIH/NLM) [C]
Sent: 9 Apr 2019 16:24:47 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: sunsets

Yes, will do.

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, April 9, 2019 11:44 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: FW: sunsets
Importance: High

Can you help on this? First step review Jerry's ToxMap and CPDB talking points and then circulate to appropriate program staff? Thanks!

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Office phone: 301-827-7615

From: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Date: Tuesday, April 9, 2019 at 9:51 AM
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
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Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
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From: Chang, Florence (NIH/NLM) [E]
Sent: 11 Apr 2019 17:47:29 +0000
To: Middleton, Grace (NIH/NLM) [C];Kelly, Janice (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E]
Cc: Nurik, Jody (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Subject: RE: Sunsetting Talking Points for Review
Attachments: TalkingPoints_OD_ProbeDB_LibraryLinkOut.docx

Grace,
Please see the dates for TOXMAP and CPDB.
Thanks!

Florence

From: Middleton, Grace (NIH/NLM) [C]
Sent: Wednesday, April 10, 2019 1:54 PM
To: Canese, Kathi (NIH/NLM/NCBI) [E] <canese@ncbi.nlm.nih.gov>; Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Sunsetting Talking Points for Review

Hi, All,
OCPL is finalizing some brief talking points on the sunsetting of Probe DB, TOXMAP, CPDB and the LinkOut consolidation, which are attached for your review. This communication is from Jerry Sheehan to Dr. Tabek, alerting him of the plans and dates.
We would appreciate input and edits, if necessary, for each of your respective offerings. Specifically, there are a couple of required updates for sunset dates where we did not have one or were unsure. Please return the document with track changes to me *by noon on Friday, April 12*. I will incorporate the changes into one final document to send on to Jerry by COB on Friday. We appreciate your help.
Thank you,
Grace

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From: Middleton, Grace (NIH/NLM) [C]
Sent: 12 Apr 2019 17:57:42 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: talking points
Attachments: TalkingPoints_Sunsetting_GM_041219.docx

Jody,

Everyone's edits are incorporated and attached for your review.

Thanks,
Grace

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From: Nurik, Jody (NIH/OD) [E]
Sent: 12 Apr 2019 15:14:48 -0400
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Middleton, Grace (NIH/NLM) [C]
Subject: Re: sunsets
Attachments: TalkingPoints_Sunsetting_GM_JN_041219.docx

Hi Jerry,

Please find attached an updated draft "sunsets" email for you to send to Dr. Tabak. Grace worked with the relevant program staff for their review - the attached incorporates their edits. Let us know if you need anything else on this. Thanks!

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

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From: Theisen, Lisa (NIH/NLM) [E]
Sent: 15 Apr 2019 20:15:46 +0000
To: Nurik, Jody (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E]
Cc: Brtva, Roger (NIH/NLM) [E]
Subject: RE: SIS web contents need a new home on NLM main website

Hi Florence,

Please include myself and Roger Brtva on the invite.

Thanks,
Lisa

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, April 15, 2019 4:12 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>
Subject: RE: SIS web contents need a new home on NLM main website

Hi Florence,

Thanks for reaching and providing this helpful information. Sure thing, more than happy to meet. I have copied Lisa Theisen in LO to see if she should attend or recommend someone else in her area. I am not sure who would be the best person in OCCS – maybe Wei would know.

Have a good rest of the day,
Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Monday, April 15, 2019 3:18 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: SIS web contents need a new home on NLM main website

Jody,

While we are busy sunsetting many SIS resources, a few – mostly those consisting of small collections of web pages-- need a new home on the NLM main site. Patti has asked us to work with you on these integrations.

We would like to discuss the logistics of migrating the following pages:

1. NLM Environmental Health & Toxicology is the "Toxicology & Environmental Health Information Program (TEHIP)" portal website. It consists of about 50 pages that maintained via Teamsite. We expect it to be sunsetted approximately by July - September 2019 timeframe. SIS staff moving to LO will continue to check links and work with OCPL when corrections and new links are needed.

2. Bibliography on Alternatives to Animal Testing (ALTBIB) is an important resource for a number of reasons (political, mostly). It is currently hosted as a part of TOXNET. However, when TOXNET is integrated into NCBI platforms and the current SIS servers for TOXNET is decommissioned, ALTBIB will need a new home. We can easily move the handful of web pages and PDFs to the NLM main site.

3. TOXNET home page –TOXNET is currently being integrated into NCBI offerings. The icon for TOXNET on the NLM home page will link to a transitional TOXNET home page providing help/explanatory text to assist TOXNET users with the transition. Patti let me know that she expects this transitional page to live on the NLM main site for approximately 1-2 years after the SIS TOXNET server is decommissioned. SIS and NCBI are currently working on the help text and appropriate links to NCBI resources. We will be testing the page with current TOXNET users before its release. We expect this process to take another few months.

We appreciate your help with these changes. We do not see the need for the development support of these pages. If we need help with editing the content, the SIS staff transferred to LO and OCCS can work on them.

May I check your calendar for a good time to meet next week so we can discuss how we can move ahead with this effort? Please let me know if anyone from LO or OCCS needs to be involved.

Thank you so much!

Florence

From: Chang, Florence (NIH/NLM) [E]
Sent: 15 Apr 2019 20:35:41 +0000
To: Theisen, Lisa (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: SIS web contents need a new home on NLM main website

Great! Thanks!

From: Theisen, Lisa (NIH/NLM) [E]
Sent: Monday, April 15, 2019 4:17 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: SIS web contents need a new home on NLM main website

Hi Florence,

I don't think we will need anyone from OCCS for this initial meeting. Roger can speak to most anything related to TeamSite and the WIM team can handle any support tickets with OCCS.

Thanks,
Lisa

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Cc: Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>
Subject: RE: SIS web contents need a new home on NLM main website

Thank you, Jody, for the quick response. I will check with Wei, and set up a meeting soon.

Florence

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1. NLM Environmental Health & Toxicology is the "Toxicology & Environmental Health Information Program (TEHIP)" portal website. It consists of about 50 pages that maintained via Teamsite. We expect it to be sunsetted approximately by July - September 2019 timeframe. SIS staff moving to LO will continue to check links and work with OCPL when corrections and new links are needed.

2. Bibliography on Alternatives to Animal Testing (ALTBIB) is an important resource for a number of reasons (political, mostly). It is currently hosted as a part of TOXNET. However, when TOXNET is integrated into NCBI platforms and the current SIS servers for TOXNET is decommissioned, ALTBIB will need a new home. We can easily move the handful of web pages and PDFs to the NLM main site.

3. TOXNET home page –TOXNET is currently being integrated into NCBI offerings. The icon for TOXNET on the NLM home page will link to a transitional TOXNET home page providing help/explanatory text to assist TOXNET users with the transition. Patti let me know that she expects this transitional page to live on the NLM main site for approximately 1-2 years after the SIS TOXNET server is decommissioned. SIS and NCBI are currently working on the help text and appropriate links to NCBI resources. We will be testing the page with current TOXNET users before its release. We expect this process to take another few months.

We appreciate your help with these changes. We do not see the need for the development support of these pages. If we need help with editing the content, the SIS staff transferred to LO and OCCS can work on them.

May I check your calendar for a good time to meet next week so we can discuss how we can move ahead with this effort? Please let me know if anyone from LO or OCCS needs to be involved.

Thank you so much!

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 15 Apr 2019 22:40:10 +0000
To: Tabak, Lawrence (NIH/OD) [E]
Cc: Mazerik, Jessica (NIH/OD) [E]
Subject: Additional NLM resources planned for sunsetting

Larry,
Below is a summary of four more services that NLM plans to sunset in coming months. We have a few more sunsets in the pipeline. I'll send them to you in coming weeks.

Thanks,
Jerry
==========

1. Probe Database (Probe DB) – Proposed sunset date: August 1, 2019

Original purpose: Probe DB was originally implemented as a registry of nucleic acid reagents for biomedical research applications at a time when array-based assays were prevalent.

Why no longer needed: With the advent of short read sequencing, the need for these technologies has declined. Sequence submissions to the Probe database have dwindled to only a couple of submissions per month. Additionally, to maintain the resource, the submission interface would need to be updated to accommodate a code library update. Given the exceedingly low submission and use rate, and evolving research trends, investing in redeveloping the submission interface is not cost-effective.

Critical issues: The content of the database will continue to be available on NLM/NCBI's FTP site.

2. TOXMAP – Proposed sunset date: October 1, 2019

Original purpose: TOXMAP helps users visually explore toxicology data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canada's National Pollutant Release Inventory data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plant data. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program.

Why no longer needed: The US Environmental Protection Agency now produces several GIS products and visualization applications that have similar data and GIS functionality. Use of unique TOXMAP features (e.g., the ability to search TOXNET from within the GIS tools) has declined to a level too low to justify continued NLM investment in technological upgrades necessary.

Critical issues: Data used in TOXMAP will be available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. NLM will inform EPA and NIEHS of the proposed sunset, in addition to TOXMAP users.

3. Carcinogenic Potency Database (CPDB) – Proposed sunset date: October 1, 2019

Original purpose: CPDB is an archival database with historical information from the years 1980-2011 reporting on the analyses of animal cancer tests on 1547 chemicals. CPDB was developed by the Carcinogenic Potency Project at the University of California, Berkeley and the Lawrence Berkeley National Laboratory and transitioned to NLM at the end of the project.

Why no longer needed: Information in CPDB has not been maintained, so the information is increasingly out-of-date. In addition, usage has dropped considerably to fewer than 2000 page-views in FY2018. The information is not structured in a way that lends itself to integration with other NLM resources.

Critical issues: While the evaluated and annotated content will no longer be available on TOXNET, data files will continue to be available for download from the NLM FTP site. Cited literature will continue to be available via PubMed.

4. Consolidation of three LinkOut for Libraries programs into a single service: Library LinkOut Outside Tool – Proposed sunset date: December 31, 2019

Original purpose: *LinkOut for Libraries* provides PubMed users with access to full text journal content through their institutional subscriptions via three separate tools: LinkOut via Submission Utility, LinkOut Local, and Outside Tool. NLM proposes to consolidate the functionality into a single service Library LinkOut using Outside Tool and to discontinue support of the other two tools.

Why the consolidation is warranted: Consolidating the systems is necessary to allow the upgrading that will enable NLM to continue providing effective link-out service. It will also make daily PubMed indexing of link-out capabilities more efficient, effective, and reliable. The LinkOut Outside Tool service has important advantages for libraries and their patrons, such as placing their icon on every PubMed citation and enabling link-out from mobile devices. Libraries will no longer need to generate and maintain their extensive holdings records to determine which resources their patrons can link to.

Critical issues: To use the consolidated link-out tool, libraries that do not already have it will need to purchase link revolver software, the cost of which will vary (open source versions are available, as are proprietary solutions). Library users will not lose access to their library's journal subscriptions during the consolidation process, as the publisher supplied icons typically link to the same full text content. NLM has developed a list of FAQs about the consolidation and has begun holding webinars with affected communities to answer questions about the transition.

From: Tabak, Lawrence (NIH/OD) [E]
Sent: Sunday, March 10, 2019 11:10 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Mazerik, Jessica (NIH/OD) [E] <jessica.mazerik@nih.gov>
Subject: Re: NLM resources planned for sunsetting

You may proceed with the phase out of all three programs.
Thanks

Larry

--

From: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Date: Tuesday, March 5, 2019 at 9:50 AM
To: "Tabak, Lawrence (NIH/OD) [E]" <lawrence.tabak@nih.gov>
Cc: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>, "Nurik, Jody (NIH/OD) [E]" <jody.nurik@nih.gov>, "Mazerik, Jessica (NIH/OD) [E]" <jessica.mazerik@nih.gov>
Subject: NLM resources planned for sunsetting

Larry,
Below is a summary of three NLM services that we plan to sunset in coming months. We continue to review our portfolio and refine our procedures for sunsetting services. I expect to send you additional sunset updates in coming weeks.

Thanks,
Jerry

1. Loansome Doc – Proposed sunset date: July 1, 2019

Original purpose: Loansome Doc was originally developed for use by health professionals unaffiliated with a medical library as an easy way to obtain journal articles from a local library. The system allows registered users to select a medical library in their vicinity and electronically request copies of physical or electronic materials. Some libraries later expanded use to affiliated staff and paying customers. A few dozen international libraries use it for obtaining materials for their patrons from a US hosting library. The NLM Library also uses the system.

Why no longer needed: Loansome Doc has shown a steady decline in use, from 924,538 requests in FY2002 to 150,136 in FY2018. Much of that use is no longer for unaffiliated users, who can now access medical literature through services, such as PubMed's link-out feature or PubMed Central, which contains more than 5 million full-text journal articles. As NLM prepares to redesign its information systems, it no longer makes sense to develop a new instantiation of Loansome Doc.

Critical issues: NLM is working closely with its Regional Medical Libraries and the NIH Library to help them transition to other systems. Recent interactions demonstrate that these libraries understand the reasoning for the transition and do not anticipate a significant impact on their operations.

2. Consumer Health Informatics Research Resource (CHIRr) [https://chirr.nlm.nih.gov/] – Proposed sunset date: May 31, 2019

Original purpose: CHIRr provides a resource of outcome variables and suggested measures to guide a comprehensive consumer health informatics assessment.

Why no longer needed: CHIRr no longer aligns with NLM priorities, usage remains low (36,600 unique visitors in 2018), content is out-dated, and improved content of a similar type is being developed through NIH and NLM Common Data Elements initiatives.

Critical issues: NLM will either transition the content to its archive site or transfer it to collaborators at the University of Missouri and University of South Dakota.

3. ToxLearn [https://toxlearn.nlm.nih.gov/] – Proposed sunset date: May 31, 2019

Original purpose: ToxLearn is an online tutorial developed by NLM's Specialized Information Services Division to provide an introduction to the principles of toxicology. It was developed in collaboration with the Society of Toxicology.

Why no longer needed: ToxLearn has been supplanted by NLM's ToxTutor [https://toxtutor.nlm.nih.gov/], which provides more comprehensive information about toxicology. In addition, ToxLearn is technologically outdated. It was developed in Adobe Flash, which is no longer being updated, or available on most internet browsers.

Critical issues: The Society of Toxicology has agreed to archive ToxLearn on its website. NLM is developing a letter of agreement to clarify the terms of the transfer. NLM will direct current users to the archived version and to the more up-to-date and comprehensive ToxTutor system.

Jerry Sheehan
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SheehanJR@nlm.nih.gov
http://nlm.nih.gov

From: Nurik, Jody (NIH/NLM) [E]
Sent: 15 Apr 2019 23:13:59 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Middleton, Grace (NIH/NLM) [C]
Subject: Re: sunsets

Wonderful- thanks for letting us know.

Regards,

Jody

On Apr 15, 2019, at 6:40 PM, Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov> wrote:

> Thanks. I'm sending the summary to Dr Tabak tonight.
>
> Jerry
>
> ---
> **From:** Nurik, Jody (NIH/NLM) [E]
> **Sent:** Friday, April 12, 2019 3:15 PM
> **To:** Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
> **Cc:** Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
> **Subject:** Re: sunsets
>
> Hi Jerry,
>
> Please find attached an updated draft "sunsets" email for you to send to Dr. Tabak. Grace worked with the relevant program staff for their review - the attached incorporates their edits. Let us know if you need anything else on this. Thanks!
>
> Regards,
> Jody
>
> Jody Nurik
> Director, Office of Communications and Public Liaison (OCPL)
> National Library of Medicine, National Institutes of Health
> Office phone: 301-827-7615
>
> ---
> **From:** "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
> **Date:** Tuesday, April 9, 2019 at 9:51 AM
> **To:** "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
> **Subject:** sunsets
>
> Jody,

Can you and relevant program staff give the attached document a quick review before I send it to Dr. Tabak? I've added ToxMap and CPDB.
Thanks
Jerry

Jerry Sheehan
Deputy Director
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SheehanJR@nlm.nih.gov
http://nlm.nih.gov

From: Chang, Florence (NIH/NLM) [E]
Sent: 19 Apr 2019 17:42:28 +0000
To: Babski, Dianne (NIH/NLM) [E]
Cc: Backus, Joyce (NIH/NLM) [E];Kelly, Janice (NIH/NLM) [E]
Subject: SIS & LO offerings and working groups
Attachments: SIS and LO offerings with colors and working groups.xlsx

Dianne,
This is the document that has the working groups and timelines.
Florence

	Chem/Tox	Drug information	Consumer health	Disaster information	Data distribution	AIDS	Outreach & Training
	Florence Chang	**Joyce Backus**					
Senior	**Jim Ostell**	**Clem McDonald**					
Leader(s)	**Joyce Backus**	**Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman - report	Barbara Bushman	NLM/OD with NIH, HRSA, etc	Amanda Wilson
Members	Evan Bolton	David Hale	Laura Bartlett	NNCO	Pete Seibert or Mike Davidson		
	Stacy Lathrop	Olivier Bodenreider	Alla Keselman	Lisa Sedlar	Eric Sayers		
	Bert Hakkinen	Tammy Powell or Chris Hui	Fedora Braverman	Siobhan Champ-Blackwell	Rebecca Goodwin		
	Jean Goshorn	Patrick McLaughlin or team member	OCPL		David Hale		
	Jim Pash	Jen Jentsch	NNCO		OCCS		
		Duc Nguyen or team member	MMS-training		LHC		
		Wei Ma or team member					
		NCBI?					

Offering Name	Offering Short Description	Red, Yellow, Green	Column2	page views 2018	Timeline PY2018	working group	Offering Type	Primary Organization Name	API Access	New Data PPP	Software	Website Access	Print Media	Mandate Source Type	Mandate Reference	Primary Offering Owner Name	Congress	NIH	Researchers	Clinicians	Federal Agencies	Lay Public	NLM Internal	Commercial Entities	International Collaborators	Educators	Libraries/Librarians	Healthcare and Public Health orgs	Students	Proxy Publishers	Priority
AIDSinfo	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to develop AIDSinfo, a resource providing information on ongoing HIV/AIDS research and treatments. AIDSource offers access to a comprehensive collection of PMC/MEDLINE-indexed research reviewed and selected by expert scientific editors at the National Library of Medicine. Materials are available in English, Spanish, and French.	yellow	LD	8,573,396	May 2019 - Q4 2020	AIDS (GR, LG, CSB, CSAR, NARD)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x		NIH POLICY	https://s3.amazonaws.com/assets.datacite.org/publications/publication_files/1000.pdf	Nicole Saylor	x	x	x	x	x	x				x					3
AIDSource	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to develop AIDSinfo, a resource providing information on ongoing HIV/AIDS research and treatments. AIDSource offers access to a comprehensive collection of PMC/MEDLINE-indexed research reviewed and selected by expert scientific editors at the National Library of Medicine. Materials are available in English, Spanish, and French.	yellow	LD	95,105	May 2019 - Q4 2020	Consumer (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch			x			NIH POLICY	https://s3.amazonaws.com/assets.datacite.org/publications/publication_files/1000.pdf	Nicole Saylor	x	x	x		x					x	x	x	x		5
AIMBA	AIMBA provides resources on alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.	green	pubmed topic queries		Q3	Chem/Tox S&R/LG Bert Robinson (SIS)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x	x							1
American Indian Health	American Indian Health is a source for information about the health and well-being of Native Americans and Alaska Natives. Portal to be sunset in	Red			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett	x														
Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of northern peoples. Portal to be sunset in	Red			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett		x			x										4
Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass casualty chemical incident.	yellow	understand scam, cross map, look for duplication.	189,249	Q1 FY2020	Disaster or Chem/Tox S&R/LG	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x		Other (e.g., historical)	Companion to WISER with a focus on mass casualty incidents; support for HHS responsibility for medical and public health management of public health emergencies (Pandemic and all Hazards Preparedness Reauthorization Act - PAHPRA; Public Law 113-5; https://www.gpo.gov/fdsys/pkg/	Bert Hubbman	x	x	x	x	x	x									4
ChemIDplus	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM databases and many websites.	yellow	1 Replace with pubchem in FY19 to make room	4,491,339	Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Joanne Gashoni	x	x	x	x	x	x	x								1
Common Data Element (CDE) Repository	The NIH Common Data Element (CDE) Repository provides access to structured human and machine readable definitions of data elements that are	green	1 Keep in budget in order to support	978	Q3		Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	x	x		x		NIH Policy	https://datascience.nih.gov/sites/default/files/NIH_Strategic_Plan_for_Data_Science_Final_508.pdf	Patricia Ndungu	x	x	x	x	x	x	x								4
DailyMed	DailyMed provides trustworthy information about marketed drugs in the United States. DailyMed is the official provider of FDA label	yellow	1 Keep in budget with 1 to consider sunset	2,513,000	Q3	Jerry Stephon Ivor D'Souza Olivier Bodenreider - FDA	Digital Service	Library Operations (LO) / Bibliographic Services Division	x	x		x		Other (e.g., historical)		Tammy Powell	x	x	x	x	x	x	x								3
Data Discovery	The NIHDiscover data discovery site, which will provide tools and platforms, provide a way for researchers to find, download, visualize, and	Yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 (Data Discovery Index) FY2021 (Online Commons)	SIS, LO, NCBI, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	x			x		Unknown		David Katz	x	x	x	x	x	x	x								1
Data Distribution Program	The Data Distribution Program is an NLM program, coordinated and supported by MMS, which provides	yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 (Data Discovery Index) FY2021 (Online Commons)	SIS, LO, NCBI, DCCS	Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section		x		x		NIAID Policy, 5th ed.	Goal 1. Accelerate discovery and advance health through data-driven research and Goal 2: reach more people in more ways through enhanced dissemination and engagement.	Peter Szilard	x	x	x	x	x	x	x								2
Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products marketed in the United States. The DSID is	Yellow	1 Keep in budget with 1 to consider one of these platforms	1,000,000	Q2 Q3, 2020	SIS, LO, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x		Unknown		Joanne Gashoni	x	x	x	x	x	x	x								2
Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label derived information for dietary supplement products marketed in	Yellow	1 Keep in budget with 1 to consider one of these platforms	393,797	Q2 Q3, 2020	SIS, LO, DCCS	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	x			x		Unknown		Joanne Gashoni	x	x	x	x	x	x	x								2
Digital Collections	Digital Collections provides access to NLM's unique collection of historical images, audiovisuals, maps and software. Includes both scanned and born-digital items.	green	1 Keep in budget with 1 to consider one of these platforms				Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	x			x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Jennifer Gilbert	x	x	x	x	x	x	x	x							4
Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and expertise in the fields of	Yellow	1 Keep in budget with 1 to consider one of these platforms	65,375	Q2 2020	Disaster (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://unitedstates.nih.gov/docs/Kirtsaloo%20-%20Report%20-%20Recommendations.1.5.and.1.6).pdf	Stacey Arencen	x	x	x	x	x	x	x		x						4
Disaster Info Database for Disaster Medicine and Public Health	Disaster Info Database for Disaster Medicine and Public Health contains links to disaster medicine and public health emergency	Yellow	1 Keep in budget with 1 to consider one of these platforms	74,792	Q2 2020	Disaster (SIS/LG)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://unitedstates.nih.gov/docs/Kirtsaloo%20-%20Report%20-%20Recommendations.1.5.and.1.6).pdf	Stacey Arencen	x	x	x	x	x	x	x		x						4
DOCLINE	DOCLINE is the software behind the world's largest interlibrary loan (ILL) request routing system, facilitating resource sharing among libraries in the National Network of	green					Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section				x		Congress	Enacting legislation	Public Services Division	x	x	x	x	x	x	x	x							1
Drug Information Portal	The Drug Information Portal (DIP) provides information for over 19,000 drugs approved for use in the United States, Thailand, as well as over 20,000	Red	1 Keep in budget with 1 to consider one of these platforms	1,678,965	Q3 - Q4 (starting)	Drug/WG (SIS, LO, NCBI, LHC, DCCS)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Unknown		Jeanne Gashoni	x	x	x	x	x	x	x								1
Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental	Red	Replace with Tox Town and TEHIP	37,696	Q3 - Q4	Consumer (SIS, LO) Hans Ahmed (LO)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch				x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Juliette Rochester	x	x	x	x	x	x	x	x							5
Genetics	Genetics is a portal of genetics topics such as cell biology, RNA, genes, epigenetics and more for patients and teachers. Information from the	Red		422,670	Q3 (March 31, 2019)	Ellis Kershaun	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Ally Kneelman														4
Genetic Home References	Genetics Home Reference is a consumer health resource that provides information for the general public about the effects of genetic	Green	MEDLARS into MEDLINE plus connect TF ALI et Us		Q3	Oliver B (NC) Wei Mao(SCCS) Mark Zweiers (LO) Stephanie Morrison	Digital Services	Library Operations (LO) / Public Services Division / Reference and Web Services Section	x			x		Unknown	None	Public Services Division	x	x	x	x	x	x	x	x							1
Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 5,800 chemicals. A TOXNET	Green	going to PubChem, current rag on arsenic		Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the IRDNB in response to recommendations made in the 1966 report "Handling of Toxicological Information," a grou	Joanne Gashoni	x	x	x	x	x	x	x								4
HazMap	HazMap is an occupational health database designed for health and safety professionals and lay consumers seeking information	Red	Plan sunset by July 2019, 1Q	467,203	Q3 - Q4	Chem/Tox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
HealthReach	HealthReach is a database of easy to read multilingual health information for those working with or providing care to individuals with limited English proficiency.	Green	sunset consider, consider investment in www.medlin	259,791	Q4 - FY19 Q1 Q2	Consumer (SIS/LO) Stephanie Morrison Fiona Ahmed	Digital Services	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		Other (e.g., historical)		Laura Bartlett	x	x	x	x	x	x	x	x							5
HMDC+Including Now Blog	Including Now (tidal) brings to life the historical collections of the National Library of Medicine and informs the public about the	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		NIAID Policy, 5th ed.	Initiative 3. Inter-national Communication Plans & Information Resources.	Elizabeth Mullen		x			x										4
HMDC Digital Gallery	HMD Digital Gallery is an online presentation of curated digitized content that links audiences to digitized collections. Curated pages	green					Digital Services	Library Operations (LO) / History of Medicine Division / Exhibitions Section				x		NIAID Policy, 5th ed.	Objective 3.2: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Patricia Feeney		x			x										3
HMDC Inventory of History of Medicine Collections (IHMC)	HMD Inventory of History of Medicine Collections (IHMC) is a public-facing database containing information on collections in the	yellow					Digital Service	Library Operations (LO) / History of Medicine Division				x		NIAID Policy, 5th ed.	Objective 3.2: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Lindsay Frane		x			x										3
HMD FOR Notices of Judgment	HMD FDA Notices of Judgment is a public interface to the digital archive of the FDA Notices of Judgment	Green					Digital Services	Library Operations (LO) / History of Medicine Division	x			x		Strategic Plan																
HMD Finding Aids	The HMD Finding Aids web site is a comprehensive online system that allows patrons to discover the unique personal paper and archival	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		John Ross		x			x										3
HMD Finding Aids Consortium	The History of Medicine Finding Aids Consortium is a discovery tool providing keyword search services across a union catalog of finding aids	yellow					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		John Ross		x			x										3
HMD Index Cat	Index-Catalogue is a database which provides direct access to the digital version of the Index-Catalogue of the Library of the	green					Digital Service	Library Operations (LO) / History of Medicine Division			x	x		NIAID Policy, 5th ed.	Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Lindsay Frane		x			x										3
HMD Medicine on Screen	Medicine on Screen is a curated portal to selected films from the National Library of Medicine's collection of over 18,000 historic	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Sarah Ehlers		x			x										3
HMD Online Exhibitions	HMD Online Exhibitions is an adaptation of exhibition content to the online environment.	green					Digital Service	Library Operations (LO) / History of Medicine Division / Exhibitions Section				x		NIAID Policy, 5th ed.	Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data	Patricia Feeney		x			x										3
HMD Profiles in Science	Profiles in Science documents the work of leaders in biomedical research and public health using their archival collections.	Green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Christie Moffatt		x			x										3
HMD Web Collection	HMD Web Collection is the public-facing offering which searches the internet for web content	green					Digital Service	Library Operations (LO) / History of Medicine Division				x		Objective 3.3: Foster data-driveness of NLM as a reliable, trustable source of health information and biomedical data		Christie Moffatt		x			x										3
Household Products Database	The Household Products Database helps consumer brands to health effects from Safety Data Sheets provided by manufacturers and	yellow	2, 3, 4 C - consider hosting to publicDoen	2,281,447	Q3 - Q4	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Integrated Risk Information System (IRIS)	Integrated Risk Information System (IRIS) contains data in support of human health risk assessment, including hazard identification and	Red	Accelerated and contact EPA for annual update		Q4 or later	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
International Toxicity Estimates for Risk (ITER)	International Toxicity Estimates for Risk includes risk information for over 600 chemicals from authoritative groups worldwide. A	Green	Accelerate, managed as CD		Q4 or later	Chem/Tox S&R/WEB/LG Joyce Backus (LG)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Journal Donation	Journal donation provides a method for the public to donate journals to NLM holdings in order to offer access to journal issues/volumes from	green	stay combine with SL				Digital Service	Library Operations (LO) / Public Services Division / Preservation and Collection Management Section				x		Other (e.g., historical)	None	Public Services Division		x			x										3
LactMed	LactMed, drugs and lactation database, provides information on drug levels in breast milk and infant blood. Information about	Green	Accelerate, managed as CD, consider publication NOW		Completed	Chem/Tox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x	x	x		Unknown		Lucie Chen	x	x	x	x	x	x	x								1
LinkOut for Libraries	LinkOut is a service through NCBI/PubMed which allows users to be directed to non-PubMed and other NLM databases to a wide range of	green	Consider hosting, Partnership Development and Technical Support Provider (LO)		Q3 - Q4	Kim Pruitt (NCBI) Sarah Gilkey (LO)	Digital Services	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section			x	x		NIAID Policy, 5th ed.	Goal 1. Accelerate discovery and advance health through data-driven research.	Sarah Hebron	x	x	x	x	x	x	x								2
LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and	yellow	NEW need to notify or about establishing a review process	3,760,581	Q3 - Q4	Chem/Tox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Petrik Bohlmann	x	x	x	x	x	x	x								1
Loansome Doc	Loansome Doc allows users to order full-text copies of biomedical literature from a medical library (local fees and delivery methods	Red			Q3	Mark Zweiers Amanda Wilson	Digital Service	Library Operations (LO) / Technical Services Division / Collection Access Section				x		Unknown	None	Public Services Division	x	x	x	x	x	x	x	x							1
LocatorPlus	LocatorPlus is NLM's online catalog of books, journals, audiovisuals, electronic resources, and other materials, including holdings and	green	Looking for FISMA compliant vendor			Jennifer Marsh (LO) Wei Mao(SCCS)	Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section		x		x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Diane Boehr	x	x	x	x	x	x	x	x							4
LSTRC Publisher Web Form	The Literature Selection Technical Review Committee (LSTRC) is a federal advisory committee that meets three times a year to review and recommend journals for	Green	NEW writing onto PMC portal		Q3 - Q4	Eric Zeltner (NCBI) Jan Griffin (LO)	Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section				x		Congress	42 U.S.C. United States Code, 2011 Edition Title 42 - THE PUBLIC HEALTH AND WELFARE CHAPTER 6A - PUBLIC HEALTH SERVICE SUBCHAPTER III - NATIONAL RESEARCH INSTITUTES Part D - National Library of Medicine https://www.gpo.gov/fdsys/pkg/USCODE-2011-title42/pdf/USCODE-2011-t	Jan Griffin					x										3

| | | |

From: Chang, Florence (NIH/NLM) [E]
Sent: 24 Apr 2019 12:48:19 +0000
To: Tuncer, Diane (NIH/NIDDK) [E];Fisher, Allison (NIH/NLM) [E]
Subject: FW: Moving SIS web pages to NLM Main

Hoping this invite forwarded correctly so you have the date/time.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: changf@mail.nlm.nih.gov
When: 2:00 PM - 3:00 PM April 30, 2019
Subject: Moving SIS web pages to NLM Main
Location: Conference room B

While we are busy sunsetting many SIS resources, a few – mostly those consisting of small collections of web pages-- need a new home on the NLM main site. Patti has asked us to work with you on these integrations.

We would like to discuss the logistics of migrating the following pages:

1. NLM Environmental Health & Toxicology is the "Toxicology & Environmental Health Information Program (TEHIP)" portal website. It consists of about 50 pages that maintained via Teamsite. We expect it to be sunsetted approximately by July - September 2019 timeframe. SIS staff moving to LO will continue to check links and work with OCPL when corrections and new links are needed.

2. Bibliography on Alternatives to Animal Testing (ALTBIB) is an important resource for a number of reasons (political, mostly). It is currently hosted as a part of TOXNET. However, when TOXNET is integrated into NCBI platforms and the current SIS servers for TOXNET is decommissioned, ALTBIB will need a new home. We can easily move the handful of web pages and PDFs to the NLM main site.

3. TOXNET home page –TOXNET is currently being integrated into NCBI offerings. The icon for TOXNET on the NLM home page will link to a transitional TOXNET home page providing help/explanatory text to assist TOXNET users with the transition. Patti let me know that she expects this transitional page to live on the NLM main site for approximately 1-2 years after the SIS TOXNET server is decommissioned. SIS and NCBI are currently working on the help text and appropriate links to NCBI resources. We will

be testing the page with current TOXNET users before its release. We expect this process to take another few months.

We appreciate your help with these changes. We do not see the need for the development support of these pages. If we need help with editing the content, the SIS staff transferred to LO and OCCS can work on them.

I am in the process of reserving Conference B. I will send out reminder as we get closer to the meeting date.

Florence

From: Chang, Florence (NIH/NLM) [E]
Sent: Monday, April 15, 2019 9:38:52 PM (UTC) Coordinated Universal Time
To: Chang, Florence (NIH/NLM) [E]; Hochstein, Colette (NIH/NLM) [E]; Theisen, Lisa (NIH/NLM) [E]; Brtva, Roger (NIH/NLM) [E]; Nurik, Jody (NIH/NLM) [E]
Cc: Chan, Katie (NIH/NLM) [E]
Subject: Moving SIS web pages to NLM Main
When: Tuesday, April 30, 2019 6:00 PM-7:00 PM.
Where: Conference room B

While we are busy sunsetting many SIS resources, a few – mostly those consisting of small collections of web pages-- need a new home on the NLM main site. Patti has asked us to work with you on these integrations.

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From: Chang, Florence (NIH/NLM) [E]
Sent: 24 Apr 2019 12:48:22 +0000
To: Chang, Florence (NIH/NLM) [E];Hochstein, Colette (NIH/NLM) [E];Theisen, Lisa (NIH/NLM) [E];Brtva, Roger (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Cc: Chan, Katie (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Fisher, Allison (NIH/NLM) [E];Leubsdorf, Carl (NIH/NLM/NCBI) [C];Arndt, David (NIH/NLM/NCBI) [C];Goshorn, Jeanne (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Lathrop, Stacy (NIH/NLM/NCBI) [C];Bolton, Evan (NIH/NLM/NCBI) [E];Beck, Jeff (NIH/NLM/NCBI) [E]
Subject: Moving SIS web pages to NLM Main

Just a reminder - the Location of the meeting is at Billings B1E08.

WebEx info:

Join WebEx meeting

https://nih.webex.com/join/changfnih.gov | Passcode

Join by phone

1-650-479-3208 Call-in toll number (US/Canada)

Access code: Passcode

Global call-in numbers

Because the conflict with Data Science Basic Training, we rescheduled this meeting to **Thursday, May 2, 12:30 – 1:30 at the NLM Conf Rm LO Billings B1E08**. Please note the room change from Conf room B to Billings.

Florence
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While we are busy sunsetting many SIS resources, a few – mostly those consisting of small collections of web pages-- need a new home on the NLM main site. Patti has asked us to work with you on these integrations.

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Florence

From: Babski, Dianne (NIH/NLM) [E]
Sent: 24 Apr 2019 21:21:36 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: Offerings w colors_working groups_contracts.xlsx
Attachments: Offerings w colors_working groups_contracts.xlsx

OK, Florence and I put this workbook together that ties offerings, working groups and contracts together by category. I guess we need to share it with current working groups (chem/tox and maybe DIMRIC, although they are doing Dis Lit).
I am brain dead. I might have more thoughts on this tomorrow.
-D

CATEGORY	CHEM/TOX	DRUG	CONS HLTH	DIMRC	DATA	AIDS	OUTREACH
	Florence Chang	**Joyce Backus**					
Senior	**Jim Ostell**	**Clem McDonald**					
Leader(s)	**Joyce Backus**	**Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman - report	Barbara Bushman	NLM/OD with NIH, HRSA, etc	Amanda Wilson
					Pete Seibert or Mike		
Members	Evan Bolton	David Hale	Laura Bartlett	NNCO	Davidson		
	Stacy Lathrop	Olivier Bodenreider	Alla Keselman	Lisa Sedlar	Eric Sayers		
				Siobhan Champ-			
	Bert Hakkinen	Tammy Powell or Chris Hui	Fedora Braverman	Blackwell	Rebecca Goodwin		
	Jean Goshorn	Patrick McLaughlin or team member	OCPL		David Hale		
	Jim Pash	Jen Jentsch	NNCO		OCCS		
		Duc Nguyen or team member	MMS-training		LHC		
		Wei Ma or team member					
		NCBI?					

See TABS for info on offerings and contracts related to each category

	Offering Name	Offering Short Description	Red, Yellow, Green	Column2	page views 2018	Timeline FY2019	working group	Offering Type	Primary Organization Name	API Access	Raw Data/FTP	Software	Website Access	Print Media	Mandate Source Type	Mandate Reference	Primary Offering Owner Name	Congress	NIH	Researchers	Clinicians	Federal Agencies	Lay Public	NLM Internal	Commercial Entities	International Collaborators	Education	Libraries/Librarians	Healthcare and Public Health orgs	Students	Press/Publishers	Priority
#101	addEvidx	HHS collaborates with the U.S. Department of Health and Human Services (HHS) to deliver 400 bills, a resource providing information on	yellow	LO	8,073,846	May 2018 - Q4 2020	All (CS, LO, OR, OMH, HHS)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x					x	x										5
#101	add-Science	AddScience offers some fee components (a collection of 1,000 articles that are reviewed and selected by expert information specialists and librarians. More bills are available in	yellow	LO	95,155	May 2018 - Q4 2020	Consumer (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		NIH Policy		Nicole Scott	x	x	x	x	x	x				x					5
CHEMISTOX	ARRIS	ARRIS provides resources on After Actions in the Use of Live Vertebrates in Biomedical Research and Testing	grant	pubmed topic queries		Q2	ChemyTox SIS/LO Bert Holdmeier (SIS)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		NIH Policy		Nicole Scott	x	x	x	x	x	x				x	x	x			1
ALTA	American Indian Health	American Indian Health is a source for information about the health and well-being of Native Americans and Alaska Natives. Portal to be sunset in	Yellow			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Unknown		Perth Hakkinen	x	x	x	x	x	x	x	x							
ALTA	Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of marine mammals. Portal to	Yellow			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett	x			x		x									
CHEMISTOX	Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides the world-class medical response to chemical disasters	yellow	understand users, create wireframes of duplication,	585,249	Q4 FY2019	Disaster or ChemyTox SIS/LO	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x		Other (e.g., historical)	Comparison to ANSER with a focus on mass casualty incidents; support for 49 U.S.C. responsibility for medical and public health management of public health emergencies (Pandemic and All Hazards Preparedness Reauthorization Act - PAHPRA), Public Law 113-5; https://www.gpo.gov/fdsys/pkg	Ben Hakkinen	x	x	x	x	x	x		x		x					4
CHEMISTOX	ChemSpider	The ChemSpider database is a dictionary of over 400,000 chemical structures and associated properties. ChemSpider includes links to NLM	yellow	+ Replace with pubmed+CLinV formula plan	4,495,339	Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Joanne Goshorn	x	x	x	x	x	c	x	x			x					1
DATA	Data Discovery	The NLM open data discovery site, presented via the Socrata platform, provides access to NLM publications, chemical, genetic, and genome datasets	Yellow	/B, /D, /D1, P1 Di doc/drug use of these platforms		Q3 (Data Discovery Index - FY2019) and Data platform	SIS, LO, NCBI, OCCO	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x			x		Unknown		David Hsiu	x	x	x	x	x	x	x	x							2
DRUG	Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides standardized publication-based supplement ingredient data to the	Yellow	/B, P, DB to talk with DSI to make a plan (Joan Gaucher		Q2 Q3, 2020	SIS, LO, CBS	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	c	x	x							2
DRUG	Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label dataset information from dietary supplement products marketed in	Yellow	Le - need to look at long term stability with indexing &	383,767	Q2 Q3, 2020	SIS, LO, CBS	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x			x		Unknown		Joanne Goshorn	x	x	x	x	x	c	x	x							2
DISMED	Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and	Yellow	Move to research resources	45,375	Q2 2020	Disaster (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://wwwnlm.nih.gov/pubs/factsheets/dimrc.html	Stacey Amsbary	x	x	x	x	x		x	x			x				4
DISMED	Disaster or Disaster-Related Publications	Disaster or, the Database for Disaster Medicine and Public Health contains links to disaster medicine and public health emergency	Yellow	when right, acquired, will move to digital collection and	74,758	Q2 2020	Disaster (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x		Other (e.g., historical)	https://wwwnlm.nih.gov/pubs/factsheets/dimrc.html	Stacey Amsbary	x	x	x	x	x		x	x			x				4
DRUG	Drug Information Portal	The Drug Information Portal contains information for over 19,000 drugs. Names, usage, and structures are displayed, as well as search links to	Yellow	Le - need to look at long term stability with indexing &	1,098,960	Q3 - Q4 (starting)	Drug (RS, LO, NCBI, LHC, OCCO)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	c	x	x							2
ALTA	Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental	Yellow	Move to research resources -	77,096	Q3 - Q4	Consumer (SIS, LO) Terry Ahmed (SIS)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Colette Hudrisier	x	x	x	x	x	x	x	x							5
ALTA	Genetid	Genetid is a portal for all genetic topics such as cell biology, DNA, genes, epigenetics, and more for students and teachers. Information from the	Yellow		433,670	Q3 (March 31, 2019)	Alla Keselman	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Alla Keselman				x										1
CHEMISTOX	Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 5,800 chemicals. A TOXNET	Yellow	going to PubChem, cancelling graphics		Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Joanne Goshorn	x	x	x	x	x	n	x	x							4
ALTA	Healthy	Healthy is an assessment tool to help consumers and decision designers for health and safety professionals and for consumers seeking information	Yellow		447,203	Q3 - Q4	Consumer (SIS/LO) Stephanie Morrison (SIS)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Heidi Hakkinen	x	x	x	x	x	x	x	x							4
CONSUMER	HealthReach	HealthReach is a collection of easy to read, multilingual health information for those working with or providing care to individuals with	Grant	connect grantees, consider investment in	250,791	Q4 - FY2019 Q1	Consumer (SIS/LO) Stephanie Morrison (SIS)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		Other (e.g., historical)		Laura Bartlett				x	x	x	x	x		x	x				5
CHEMISTOX	Household Products Database	The Household Products Database provides health and safety effects from Safety Data Sheets provided by manufacturers and	yellow	JO, JB, PC - working on hooking up PubChem	3,390,447	Q3 - Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							1
CHEMISTOX	Integrated Risk Information System (IRIS)	The Integrated Risk Information System (IRIS) is a human health assessment program evaluating quantitative and qualitative risk information on effects that may result from exposure to	yellow	Bookshelf + will contact EPA IRIS annual updates		Q3 - Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							1
CHEMISTOX	International Toxicity Estimates for Risk (ITER)	The International Toxicity Estimates for Risk (ITER) database is a publication for over 600 chemicals from authoritative groups worldwide. A	Grant	Bookshelf, managed at LO		Q3 - Q4	Glinn Isbn ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							1
CHEMISTOX	LactMed	LactMed, a Drugs and Lactation Database, is a database of over 700 drugs and other chemicals to which breastfeeding mothers may be	Grant	Bookshelf, managed at LO + Need list of publisher NCBI		Completed	ChemyTox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x	x	x		Unknown		Lucia Chen	x	x	x	x	x	n	x	x							1
CHEMISTOX	LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and	yellow	NIDDK needs to notify us about establishing a sustainable relationship	1,340,565	Q3 - Q4	ChemyTox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Perth Hakkinen	x	x	x	x	x	n	x	x							1
DISMED	MAHBoodoc Research Response Program (MRP)	The NIH NIH Disaster Research Response Program (DRP) program is a collaboration between National Institutes of Health scientists and	Yellow	Stacey to talk to NIEHS; collaborate about the plan	25,355	Q3 - Q4	Disaster (SIS/LO/NCBI)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x		Other (e.g., historical)	The National Institutes of Health's (NIH) commitment to disaster resilience has been the foundation for more than three decades of research. Multiple NIH Institutes, Centers and gateways conduct research focusing on disaster preparedness, response and recovery issues. These efforts ha	Stacey Amsbary	x	x	x	x	x		x	x			x				4
DRUG	Pillbox	Pillbox enables rapid identification of unknown solid dosage medications (tablets/capsules) based on physical characteristics and	Yellow	Drug Event team review - Images are not a searchable database	181,180	Q3 - Q4	Drug (RS (SIS, LO, NCBI, LHC, OCCO)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x			x		Unknown		David Hsiu	x	x	x	x	x	c	x	x							2
CHEMISTOX	Radiation Emergency Medical Management (REMM)	Radiation Emergency Medical Management (REMM) is a resource for acute healthcare providers, responders and treat a variety of	Yellow	Understand users, create wireframes and map	888,650	Q2 FY2020	Disaster or ChemyTox SIS/LO	Digital Service	Specialized Information Services (SIS) / Office of the Director			x	x		Other (e.g., historical)	Comparison to CHEMM which utilizes on mass casualty radiation injuries; support for HHS responsibility for medical and public health management of public health emergencies (Pandemic and All Hazards Preparedness Reauthorization Act - PAHPRA), Public Law 113-5; https://www.gpo.gov/f	Florence Chang	x	x	x	x	x	x	x	x							6
ALTA	NE main website	The 101 main website provides access to the resources offered by SIS, in the areas of toxicology and environmental health, outreach	Yellow			Q3	(Same as Environmental Health Information Portal)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	n	x	x							1
DRUG	Substance Registration System	The Substance Registration System is a joint FDA/NLM project to support health information technology initiatives to generate, share,	Grant		526,379	Q3 - Q4	Drug (RS (SIS, LO, NCBI, LHC, OCCO)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	n	x	x							2
N/A	Tox Modeler	Tox Modeler is an interactive game about toxic substances for children ages 7-12. Use of the server or tool of CEBS	Yellow				Glenn Ulbrich	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Florence Chang				x										1
CONSUMER	Tox Town	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals.	Green		1,129,613	Q2, FY2020	Consumer (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Office of the Director				x				Alla Keselman				x						x	x			5
CHEMISTOX	Tox Tutor	Tox Tutor provides college-level tutorials on the basic principles of toxicology, risk analysis, cellular toxicology, and related topics, e.g., exposure science, and an	Yellow		589,607	Q2, FY2020	Consumer (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							5
N/A	Toxilogy	Toxilogy is a free, web-based application that provides searchable, interactive maps of EPA TRI and Superfund sites, plus US Census and NIH health data.	Yellow			Q4		Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch			x	x		Unknown		Colette Hudrisier	x	x	x	x	x	n	x								1
CHEMISTOX	TOXNET	TOXNET is a free, web search system for a cluster of databases covering toxicology, hazardous chemicals, environmental health and related	Grant		1,957,267	Q4	ChemyTox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x		x		Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Florence Chang	x	x	x	x	x	n	x	x							1
CHEMISTOX	Wireless Information System for Emergency Responders (WISER)	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, managers, and healthcare providers	Yellow	Understand users, create map	694,250	Q2, FY2019	Disaster or ChemyTox SIS/LO	Probs2	Specialized Information Services (SIS) / Disaster Information Management Research Center			x	x		Other (e.g., historical)		Jennifer Nelson				x	x									4

	Contract (Vendor)	Review Timeline	Description	Period of Performance	Recompetition by	Contract Amount	Obligation date of funding	Contract mechanism	% IT in cost	IAA/DC funding source	Contracts	COR	Receiving Division	Notes
CHEM/TOX	HSDB content building (Technical Research International, "TRI")		TRI funding to add new and update existing HSDB records and for database enhancement including adding new data, features, fields, and more. Funding includes management of Scientific Review Panel meetings (2 meetings/year).	7/2019 - 7/2020	Jul-2019	$1,038,575	Jul 2019; Jan 2020	GSA	0%			Bert Hakkinen	LO	
CHEM/TOX	HSDB content building (Syracuse Research Corp, "SRC")		SRC funding to add new and existing HSDB records for environmental fate section and support database enhancement for related fields.	5/2019 - 5/2020	May-2019	$400,000	May 2019; Nov 2019	GSA	0%			Bert Hakkinen	LO	
CHEM/TOX	ChemID system development (DS Federal)	Q4 FY2019	DSFederal funding to support continued development and maintenance of applications and database maintenance.	9/2019-9/2020	Sep-2019	$234,994	Sep 2019	A8 Small business	100%			Ying Sun	OCCS	
CHEM/TOX	ChemID content building (Cygnus)	Q4 FY2019	Cygnus funding to support chemical structure, data integration and updates for ChemIDplus	5/2019-5/2020	Apr-2019	$198,000	May 2019; Jan 2020	GSA	82%			Ying Sun	OCCS	
CHEM/TOX	ChemID 3-D chemical structure (Scientific Thinking)	Q4 FY2019	Funding for 3D structure support and integration activities. Contractor Mitch Miller works closely with PubChem Team.	9/2019-9/2020	Sep-2021	$20,000	Sep-2019		100%			Ying Sun	OCCS	
CHEM/TOX	ChemID: Astrix Software license (Biovia / Astrix)	Q4 FY2019	Biovia software licence for chemical structure software	8/2019-8/2020	Aug-2019	$10,000	Aug-2019		100%			Ying Sun	OCCS	
CHEM/TOX	ChemID Oracle database license	Q4 FY2019	Oracle database management system for ChemID data, licensed through OCCS	12/2018 - 12/2019		$5,262			100%			Phillip Thomas, Florence Chang	OCCS	
CHEM/TOX	LactMed (Phil Anderson)		Content creation and update of the LactMed database	7/2019 -7/2020	Jul-2019	$20,000	Jul 2019	Sole source	0%			Lucie Chen	LO	Needs COR
CHEM/TOX	Household Product Database (Henry DeLima)	Q3-Q4 FY2019	License of the content of the Household Product Database, a database on the health effects from exposure to the chemical ingredients in the household products	12/2018-12/2019	Dec-2021	$60,000	Dec 2018	Sole source	0%			Lucie Chen	LO	Needs COR
CHEM/TOX	HazMap (Jay Brown)	Q3-Q4 FY2019	License of the content of the HazMap database, a occupational exposure and diseases database	7/31/2019 -8/1/2020	Jul-2020	$38,500	Jul 2019	Sole source	0%			Lucie Chen	Sunset	
CHEM/TOX	ITER (Univ of Cincinnati)	Q FY2019	License of the content of the International Toxicity Estimates for Risk (ITER)	4/2019 - 4/2020	Apr-2021	$35,000	Apr 2019	Sole source	0%			Bert Hakkinen	LO	
CHEM/TOX	Poisindex emergency medical management (Truven Health) (Not renewed yet as of March)		License of the content of Poisindex from Truven Health	1/2019 - 1/2020	Jan-2019	$55,125	Jan 2019		0%			Jen Pakiam	NA	Not renewed
CHEM/TOX	SIS and TOXNET computer system/IT support (ICF)		Contract for the main IT contract with ICF International for providing SIS computer system administration and information system development support.	This contract will end Sept, 2019. Contractors will go to OCCS. $800,000 funding goes to OCCS in September, 2019	Not going to re-compete	$800,000	Sep 2019	NITAAC	100%			Florence Chang	OCCS	Supports 3.5 contractos, need COR
CHEM/TOX	TOXNET/SSEUS Content Management System (Jeffery System)	Q4 FY 2019	Support the data entry and editing system and database maintenance for TOXNET databases, including HSDB, LactMed, and ITER	7/2019 - 7/2020	Jun-2019	$30,000	Jul 2019	Open	100%			Phillip Thomas	OCCS	
DIMRC	Disaster Info Support (ICF)	Q2 FY2020	Includes support for librarian and computer programmer to support Disaster Lit, DIMRC web site, Disaster health informatics and communication innovation initiatives (training, communication)	9/2019 - 9/2020	Sep-2019	$525,000	Sep 2019	BPA	50%	SIS: $225,000 IAA and DC: $160,000	Additional IAAs and DCs from partner agencies; amount varies; FY2018 total $160K	Stacey Arnesen	LO	
CHM/TOX	WISER (Next Century)	Q1 FY2020	To support the development of the tool for responding to hazardous material incidents. For maintenance for all platforms with minor enhancements and data (content) updates, and prototyping of voice-activated assistant.	9/2019 - 9/2020	Sep-2019	$350,000	Sep 2019	GSA	100%	SIS: $350,000 (base) SIS: $200,000 (enhancement) Additional fundings from DOT, ASPR	IAA fundings from DOT, ASPR, etc. Amount varies	Jen Pakiam	LO	
DIMRC	NASEM Forums		NASEM Med Prep Forum & Action Collab on Disaster resesarch	9/2019 - 9/2020		$25,000	Sep 2019		0%			Stacey Arnesen	LO	Annual fee, Cheryl Field, should this be a membership
CHEM/TOX	CHEMM content creation and maintenance (AlphaTrac)	Q1 FY2020	Support the content creation and maintenance of Chemical Hazards Emergency Medical Management (CHEMM)	8/1/2019 - 7/31/2020	Aug-2019	$30,047	Jul 2019	GSA	0%			Bert Hakkinen	LO	
Outreach	Special Population Resources Maintenance (ICF)	Q3 FY2019	Staffing, IT support for HealthReach, American Indian Health, Arctic Health	9/2018-9/2019	Sep-2019	$0	Sep 2019	BPA	0.01%			Laura Bartlett	NA	
Outreach	Technical and Programmatic Support for Specific Population Projects (ICF)		Support services for outreach projects such as CHIC, Community Health Maps, etc	9/2018-9/2019	Sep-2019	$460,000	Sep 2019	BPA	2%			Janice Kelly	LO	Prior John Scott had many Subcontracts for outreach awards, TBD; need COR
Outreach	Maintenace and Development Support for SIS Programs Projects (ICF)		Provide comprehensive management and staffing services to the National Library of Medicine Specialized Information Services to support websites, services and activities	9/2018-9/2019	Sep-2019	TBD ($300,000 in FY2018)	Sep 2019	BPA	1%			Nicole Scott	LO	supports 2 contract staff
Outreach	EnHIP Chair		Support for the year long duties of the EnHIP chair	1/15/2019-1/14/2020	Jan-2019	$20,000		Contract	0%			Janice Kelly	LO	need COR; is this an annual PO?
Outreach	EnHIP senior advisor		Suppport for the year long duties of the EnHIP senior advisor Rueben Warren	9/20/2018-9/19/2019		$10,000	9/20/2019	Contract	0%			Janice Kelly	LO	need COR; is this an annual PO?
Outreach	Higher Ed Project		Project addressing the needs of minority serving institutions to use HSDB and other NLM resources	3/6/18-6/28/19	Jun-2019	$60,000	6/28/2019	ICF	0%			Cassandra Allen	Sunset	
Outreach	Training and Outreach Support Services for NLM (ICF)		Subaward to ORAU for training and outreach support, promotion and logistical support to SIS	9/2018-6/2019	Jun-2019	$600,000	June 2019	BPA	0%			Nicole Scott	LO	Being competed; need COR
CONS HLTH	Consumer Health Resources: Maintenance (ICF)	Q1 FY2020	Provide subject matter and IT expertise to support Tox Town's, Kids portal, and GeneEd	9/2018-9/2019	Sep-2019	$226,500	Sep 2019	BPA	47%			Alla Keselman	LO	TOXTOWN
CONS HLTH	Special Population Resources Enhancement and Outreach (ICF)	Q4 FY2019 - Q1 FY2020	Support special population resources including HealthReach, Arctic Health, and American Indian Health.	9/2018-9/2019	Sep-2019	$220,000	Sep 2019	BPA	3%			Laura Bartlett	LO / OCCS	Need to figure out resources/funds
AIDS	AIDSinfo and AIDSource (ICF)	Q4 2020	Manage daily operations of the AIDSinfo, infoSIDA and AIDSource services - the AIDSinfo website, guidelines and panels, and treatment information	9/2018-9/2019	Sep-2019	TBD ($2,372,362 in FY2018)	Sep 2019	BPA	9%	SIS: 0 OAR: $2,600,000	2,600,000	Nicole Scott	LO	OCPL?
AIDS	AIDSinfo and AIDSource: Supplemental Tasks (ICF)	Q4 2020	Support for content development, outreach, training, evaluation, user studies, etc	9/2018-3/2020	Sep-2019	TBD ($1,327,596 in FY2018)	Sep 2019	BPA	17.00%	SIS: 0 OAR:$286,000	286,000	Nicole Scott	OCPL?	OCPL?

AIDS	AIDS Foundation Houston (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$50,000.00	Sep-2019	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Black Girl Health (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,704.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Comunidades Unidas (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,431.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Philadelphia FIGHT (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$50,000.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Prevention Collaborative (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$50,000.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	SFPH HIVE (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,499.84	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	SFPH PleasePrEPMe (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,910.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	University of Massachusetts Medical School (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,975.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4

From: Gillikin, David (NIH/NLM) [E]
Sent: 30 Apr 2019 15:24:30 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Subject: FW: When dust settles a bit, would be great to get back to this
Attachments: 18.11.21 SRA 2018 NLM Reenvisioning ToxNet Poster (x1_5)(5).pdf

Just an FYI. This is a poster based on a workshop that was done in 2018 concerning hot to improve NLM toxicology and environmental health resources.
David

From: Hakkinen, Pertti (NIH/NLM) [E]
Sent: Tuesday, April 30, 2019 11:20 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: When dust settles a bit, would be great to get back to this

David, please see attached poster. I can share the workshop report later if you want to take a deeper dive into this effort.
Bert

From: Gillikin, David (NIH/NLM) [E]
Sent: Tuesday, April 30, 2019 11:13 AM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: When dust settles a bit, would be great to get back to this

Bert
Do you have poster in a power point or something more viewable?
Thanks
David

From: Hakkinen, Pertti (NIH/NLM) [E]
Sent: Friday, April 26, 2019 4:51 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: When dust settles a bit, would be great to get back to this

When dust settles a bit, it would be great to get back to this set recommendations and other content. From April 2018.

Bert

Re-envisioning NLM's Toxicology and Environmental Health Resources – Stakeholder Workshop

Sarah Thorne[1], Dan Kovacs[1], Laurel Austin[1,3], Zach Collier[1], Lucie Chen[2], Florence Chang[2], Pertti Hakkinen[2]

[1]Decision • Partners, Inc.; [2]National Library of Medicine; [3]Ivey Business School at Western University

The Challenge

For over 50 years, the National Library of Medicine's Specialized Information Services (NLM SIS) has been providing leading toxicology and environmental resources to numerous users throughout the US and internationally. Given the pace of change and technological advances in toxicology, environmental health and information, NLM is committed to maintaining its relevancy and value to its ever-expanding universe of users.

A Platform for Biomedical Discovery and Data-Powered Health
NLM Strategic Plan 2017-2027

The NLM Strategic Plan 2017 – 2027 envisions NLM as a platform for biomedical discovery and data-powered health, integrating streams of complex and interconnected research outputs that can be readily translated into scientific insights, clinical care, public health practices, and personal wellness.

NLM envisions three pillars as the foundation for such a platform:

1. Innovate, create, and maintain a sustainable digital ecosystem to keep pace with the data demands of the research enterprise.
2. Engage a wide range of audiences to ensure the right information gets delivered to them at the right time
3. Inspire and empower the data-driven workforce of the future.

Our Approach – Mental Modeling Insight™

As a first step, through discussions with NLM personnel and review of background materials, we developed an Expert Model characterizing influences on Users' Judgments of the effectiveness of NLM Resources for Toxicology and Environmental Health.

This model informed design of an all-day workshop, held on April 6, 2018, with a diverse set of users of NLM resources to explore, through in depth dialogue, opportunities for NLM to expand the content, value, use and usability of electronic resources in the areas of toxicology and environmental health, aligned with the direction of NLM's new 2017 – 2027 Strategic Plan.

Workshop Participants' Priority Opportunities for NLM

Content and Information

Provide a database of databases:
- Create a portal; Curating, indexing, cross-referencing data on other sites

Enable access to data not currently available:
- Negative, and un-published results and data; population- and organ-specific toxicity data

Ensure the data are high quality, available, computable, and can be integrated:
- Establish an "NLM Good Housekeeping Seal of Approval" setting minimum reporting requirements, standardization of data sets and label the quality and uncertainty of data
- Enable input data that is machine readable to support machine learning

Provide tools to improve data accessibility and use:
- Provide training resources, TOX 101 for non-experts
- Publish guidance on how to organize data

Continue ongoing two-way interaction and dialogue with the broader user community:
- ***Understand the needs of the various types of users, on an ongoing basis***
- Communicate how to contact NLM, leveraging social media

Focus on building partnerships (Collaboration, Communication, and Coordination):
- Work closely with NSF, journals, and journal editors to support standards, data sharing, reporting practices, etc.
- Recognize that this is a global effort

Access and User Interface

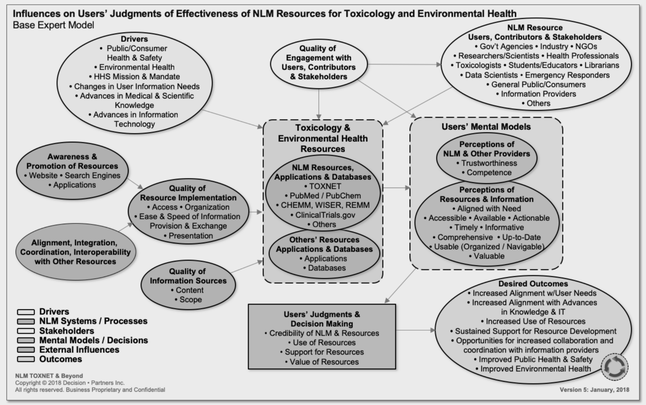
Improve access through user tools – (e.g., Apps, interface devices):
- Provide a customizable database dashboard with starter kits based on user, or data type
- Establish an "app store"; widgets; or browser extensions
- Improve interfaces based on end-user needs
- Enable or support distributed user networks and public user forums

Identify the target audiences, now, in 10 years, and in 40 years:
- Emergency responders, toxicologists, pharmacologists, the public, consumers, students, etc.
- Each user group will have specific use cases that will drive usability and functionality needs

Ensure machine accessibility of the data and deep data integration:
- APIs; processes and standards for deep data integration; Computable data
- Provide links between databases that have related data

Improve usability of electronic resources:
- Data should be finable, accessible, interpretable, reusable (FAIR)
- Use flexible, decision-tree search structures
- ***If data issues aren't addressed now, they will only increase as the volume of data increases***

Provide a person and/or an avatar to answer basic questions:
- Leverage experience and historical use data to determine frequently asked questions (FAQs)
- Have one person per key government agency that NLM can direct questions to and/or who can direct questions to NLM



General Recommendations to NLM from Workshop Participants

- **Understand this is a new world with a massive, and ongoing growth of information and information technology**
- **Build on existing partnerships, including outside of the US**
- **Open up the gateway, make databases more welcoming to users; engage them to participate and contribute**
- **Connect with and engage the next generation science students to enable them to become future users – case studies and other training as part of STEM education**
- **Caution: *Don't fix what isn't broken!* NLM has a really solid foundation to build on. Users appreciate and value the current toxicology and environmental health resources. The key is to preserve and enhance these databases. *Don't try to recreate the wheel!***

Key Considerations from Decision Partners

- **NLM is the trusted curator of toxicology and environmental health resources: NLM must continue to earn the trust and respect of users**
- **Toxicology and environmental health information and technologies are expanding at an unprecedented rate: Engage partners and factor future technological capabilities into NLM's near-term plans**
- **Future resource content and access must be user-centric: Engage critical users on an ongoing basis and collaborate to create needed tools**
- **Build on NLM success: Communicate the value case**

The full Workshop Summary Report is available from Bert Hakkinen at: hakkinenp@mail.nlm.nih.gov.

decision · partners
insight · judgment · decision making

NIH
U.S. National Library of Medicine

From: Crutchman, Alise (NIH/NLM) [E]
Sent: 30 Apr 2019 16:57:55 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: McKay, Kathryn (NIH/NLM) [E]
Subject: FW: Press Inquiry: TOXMAP Website Retirement

Hi Jody,

Can we discuss later today or first thing tomorrow?

Thank you,
Alise Crutchman

From: Saheel Mehta <saheelmehta@jhu.edu>
Sent: Monday, April 29, 2019 10:29 PM
To: McKay, Kathryn (NIH/NLM) [E] <kathryn.mckay@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Press Inquiry: TOXMAP Website Retirement

Dear Kathryn and Alise,

I am a freelance science writer with an interest in environmental stories. I was exploring a Superfund/NPL story when I noticed that the TOXMAP website now has a banner that the webpage will be retired in the Fall of 2019.

I did not see any press releases related to this announcement. Will it just be the map's webpage that will be retired or will the whole entire interactive map? Will the TOXNET databases still be maintained? Or is the plan to move the project elsewhere?

I would be grateful for a response from the Toxicology and Environmental Health Information Program at the National Library of Medicine. I may be interested in conducting an interview related to this matter.

Best,

Saheel Mehta

Personal Info

saheelmehta@jhu.edu

From: Babski, Dianne (NIH/NLM) [E]
Sent: 1 May 2019 13:23:17 +0000
To: Kelly, Janice (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E];Rivera, Eddie (NIH/NLM) [E];Ma, Wei (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Ahmed, Terry (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Tybaert, Sara (NIH/NLM) [E];Ziomek, Mark (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E]
Subject: Discussion about SIS contracts with Receiving
Attachments: Offerings w colors_working groups_contracts.xlsx

All,
Now that we have a staff reassignments, it's time to start thinking about where products/programs/contracts/IAAs/DCCs (direct CAN Citations) we transfer to. Attached is a copy of the latest spreadsheet to help us begin this discussion.

-- Do not delete or change any of the following text. --

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1-650-479-3208 Call-in toll number (US/Canada)
Global call-in numbers

Join using Microsoft Lync or Microsoft Skype for Business
Dial Passcode.nih@lync.webex.com

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	Contract (Vendor)	Review Timeline	Description	Period of Performance	Recompetition by	Contract Amount	Obligation date of funding	Contract mechanism	% IT in cost	IAA/DC funding source	Contracts	COR	Receiving Division	Notes
CHEM/TOX	HSDB content building (Technical Research International, "TRI")		TRI funding to add new and update existing HSDB records and for database enhancement including adding new data, features, fields, and more. Funding includes management of Scientific Review Panel meetings (2 meetings/year).	7/2019 - 7/2020	Jul-2019	$1,038,575	Jul 2019; Jan 2020	GSA	0%			Bert Hakkinen	LO	
CHEM/TOX	HSDB content building (Syracuse Research Corp, "SRC")		SRC funding to add new and existing HSDB records for environmental fate section and support database enhancement for related fields.	5/2019 - 5/2020	May-2019	$400,000	May 2019; Nov 2019	GSA	0%			Bert Hakkinen	LO	
CHEM/TOX	ChemID system development (DS Federal)	Q4 FY2019	DSFederal funding to support continued development and maintenance of applications and database maintenance.	9/2019-9/2020	Sep-2019	$234,994	Sep 2019	A8 Small business	100%			Ying Sun	OCCS	
CHEM/TOX	ChemID content building (Cygnus)	Q4 FY2019	Cygnus funding to support chemical structure, data integration and updates for ChemIDplus	5/2019-5/2020	Apr-2019	$198,000	May 2019; Jan 2020	GSA	82%			Ying Sun	OCCS	
CHEM/TOX	ChemID 3-D chemical structure (Scientific Thinking)	Q4 FY2019	Funding for 3D structure support and integration activities. Contractor Mitch Miller works closely with PubChem Team.	9/2019-9/2020	Sep-2021	$20,000	Sep-2019		100%			Ying Sun	OCCS	
CHEM/TOX	ChemID: Astrix Software license (Biovia / Astrix)	Q4 FY2019	Biovia software licence for chemical structure software	8/2019-8/2020	Aug-2019	$10,000	Aug-2019		100%			Ying Sun	OCCS	
CHEM/TOX	ChemID Oracle database license	Q4 FY2019	Oracle database management system for ChemID data, licensed through OCCS	12/2018 - 12/2019		$5,262			100%			Phillip Thomas, Florence Chang	OCCS	
CHEM/TOX	LactMed (Phil Anderson)		Content creation and update of the LactMed database	7/2019 -7/2020	Jul-2019	$20,000	Jul 2019	Sole source	0%			Lucie Chen	LO	Needs COR
CHEM/TOX	Household Product Database (Henry DeLima)	Q3-Q4 FY2019	License of the content of the Household Product Database, a database on the health effects from exposure to the chemical ingredients in the household products	12/2018-12/2019	Dec-2021	$60,000	Dec 2018	Sole source	0%			Lucie Chen	LO	Needs COR
CHEM/TOX	HazMap (Jay Brown)	Q3-Q4 FY2019	License of the content of the HazMap database, a occupational exposure and diseases database	7/31/2019 -8/1/2020	Jul-2020	$38,500	Jul 2019	Sole source	0%			Lucie Chen	Sunset	
CHEM/TOX	ITER (Univ of Cincinnati)	Q FY2019	License of the content of the International Toxicity Estimates for Risk (ITER)	4/2019 - 4/2020	Apr-2021	$35,000	Apr 2019	Sole source	0%			Bert Hakkinen	LO	
CHEM/TOX	Poisindex emergency medical management (Truven Health) (Not renewed early in March)		License of the content of Poisindex from Truven Health	1/2019 - 1/2020	Jan-2019	$55,125	Jan 2019		0%			Jen Pakiam	NA	Not renewed
CHEM/TOX	SIS and TOXNET computer system/IT support (ICF)		Contract for the main IT contract with ICF International for providing SIS computer system administration and information system development support.	This contract will end Sept, 2019. Contractors will go to OCCS. $800,000 funding goes to OCCS in September, 2019	Not going to re-compete	$800,000	Sep 2019	NITAAC	100%			Florence Chang	OCCS	Supports 3.5 contractos, need COR
CHEM/TOX	TOXNET/SSEUS Content Management System (Jeffery System)	Q4 FY 2019	Support the data entry and editing system and database maintenance for TOXNET databases, including HSDB, LactMed, and ITER	7/2019 - 7/2020	Jun-2019	$30,000	Jul 2019	Open	100%			Phillip Thomas	OCCS	
DIMRC	Disaster Info Support (ICF)	Q2 FY2020	Includes support for librarian and computer programmer to support Disaster Lit, DIMRC web site, Disaster health informatics and communication innovation initiatives (training, communication)	9/2019 - 9/2020	Sep-2019	$525,000	Sep 2019	BPA	50%	SIS: $225,000 IAA and DC: $160,000	Additional IAAs and DCs from partner agencies; amount varies; FY2018 total $160K	Stacey Arnesen	LO	
CHEM/TOX	WISER (Next Century)	Q1 FY2020	To support the development of the tool for responding to hazardous material incidents. For maintenance for all platforms with minor enhancements and data (content) updates, and prototyping of voice-activated assistant.	9/2019 - 9/2020	Sep-2019	$350,000	Sep 2019	GSA	100%	SIS: $350,000 (base) SIS: $200,000 (enhancement) Additional fundings from DOT, ASPR	IAA fundings from DOT, ASPR, etc. Amount varies	Jen Pakiam	LO	
DIMRC	NASEM Forums		NASEM Med Prep Forum & Action Collab on Disaster resesarch	9/2019 - 9/2020		$25,000	Sep 2019		0%			Stacey Arnesen	LO	Annual fee, Cheryl Field, should this be a membership
CHEM/TOX	CHEMM content creation and maintenance (AlphaTrac)	Q1 FY2020	Support the content creation and maintenance of Chemical Hazards Emergency Medical Management (CHEMM)	8/1/2019 - 7/31/2020	Aug-2019	$30,047	Jul 2019	GSA	0%			Bert Hakkinen	LO	
Outreach	Special Population Resources Maintenance (ICF)	Q3 FY2019	Staffing, IT support for HealthReach, American Indian Health, Arctic Health	9/2018-9/2019	Sep-2019	$0	Sep 2019	BPA	0.01%			Laura Bartlett	NA	
Outreach	Technical and Programmatic Support for Specific Population Projects (ICF)		Support services for outreach projects such as CHIC, Community Health Maps, etc	9/2018-9/2019	Sep-2019	$460,000	Sep 2019	BPA	2%			Janice Kelly	LO	Prior John Scott had many Subcontracts for outreach awards, TBD; need COR
Outreach	Maintenace and Development Support for SIS Programs Projects (ICF)		Provide comprehensive management and staffing services to the National Library of Medicine Specialized Information Services to support websites, services and activities	9/2018-9/2019	Sep-2019	TBD ($300,000 in FY2018)	Sep 2019	BPA	1%			Nicole Scott	LO	supports 2 contract staff
Outreach	EnHIP Chair		Support for the year long duties of the EnHIP chair	1/15/2019-1/14/2020	Jan-2019	$20,000		Contract	0%			Janice Kelly	LO	need COR; is this an annual PO?
Outreach	EnHIP senior advisor		Suppport for the year long duties of the EnHIP senior advisor Rueben Warren	9/20/2018-9/19/2019		$10,000	9/20/2019	Contract	0%			Janice Kelly	LO	need COR; is this an annual PO?
Outreach	Higher Ed Project		Project addressing the needs of minority serving institutions to use HSDB and other NLM resources	3/6/18-6/28/19	Jun-2019	$60,000	6/28/2019	ICF	0%			Cassandra Allen	Sunset	
Outreach	Training and Outreach Support Services for NLM (ICF)		Subaward to ORAU for training and outreach support, promotion and logistical support to SIS	9/2018-6/2019	Jun-2019	$600,000	June 2019	BPA	0%			Nicole Scott	LO	Being competed; need COR
CONS HLTH	Consumer Health Resources: Maintenance (ICF)	Q1 FY2020	Provide subject matter and IT expertise to support Tox Town's, Kids portal, and GeneEd	9/2018-9/2019	Sep-2019	$226,500	Sep 2019	BPA	47%			Alla Keselman	LO	TOXTOWN
CONS HLTH	Special Population Resources Enhancement and Outreach (ICF)	Q4 FY2019 - Q1 FY2020	Support special population resources including HealthReach, Arctic Health, and American Indian Health.	9/2018-9/2019	Sep-2019	$220,000	Sep 2019	BPA	3%			Laura Bartlett	LO / OCCS	Need to figure out resources/funds
AIDS	AIDSinfo and AIDSource (ICF)	Q4 2020	Manage daily operations of the AIDSinfo, infoSIDA and AIDSource services - the AIDSinfo website, guidelines and panels, and treatment information	9/2018-9/2019	Sep-2019	TBD ($2,372,362 in FY2018)	Sep 2019	BPA	9%	SIS: 0 OAR: $2,600,000	2,600,000	Nicole Scott	LO	OCPL?
AIDS	AIDSinfo and AIDSource: Supplemental Tasks (ICF)	Q4 2020	Support for content development, outreach, training, evaluation, user studies, etc	9/2018-3/2020	Sep-2019	TBD ($1,327,596 in FY2018)	Sep 2019	BPA	17.00%	SIS: 0 OAR:$286,000	286,000	Nicole Scott	OCPL?	OCPL?

AIDS	AIDS Foundation Houston (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$50,000.00	Sep-2019	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Black Girl Health (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,704.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Comunidades Unidas (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,431.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Philadelphia FIGHT (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$50,000.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Prevention Collaborative (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$50,000.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	SFPH HIVE (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,499.84	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	SFPH PleasePrEPMe (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,910.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	University of Massachusetts Medical School (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,975.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4

	Agency	Offering	Contract	POC @NLM	POC @fed. Agency	Funding FY2018	
CHEM/TOX	FDA	ChemIDplus; Substance Registry	ICF BPA; DSFederal; Cygnus; Scientific Thinking	Ying Sun	Larry Cunningham	$50,000	
CHEM/TOX/DIMRC	DOT	WISER	Next Century	Jen Pakiam	Tom Kitty	$27,179.72	
AIDS	HRSA	AIDSinfo	ICF BPA;	Nicole Scott	Laura Cheever/ Andrea Knox	$25,000	
CHEM/TOX	FDA	Support FDA Office of Orphan Products Development (OOPD)	ICF BPA	Nicole Scott; Ying Sun	Cora Sutton	$195,000	
CHEM/TOX/DIMRC	ASPR	REMM/CHEMM	ICF BPA; Next Century; ICF (IT contract)	Florence Chang; Stacey Arnesen	John Koerner	$221,000	
NICHSR	ASPE	NICHSR	ICF BPA	?	?	$150,000	

Direct Citations							
CAN Citation Tracki	**IC Reference no.**	Offering	**CAN**	**FY2018 Amount**	**Issuing IC**	**Receiving IC**	**Purpose**
DC-LM-18-03	DCC AI 5019 03	AIDSinfo	8470035	810,000.00	NIAID	NLM/SIS	AIDS Info Service
DC-LM-18-13	DCC-AI-4042-06	NAS task for Forum on Medical and Public Health Preparedness for Disasters and Emergencies	8010831	35,000.00	NIAID	NLM/SIS	Medical and Public Health
DC-LM-18-14	DCC-AI-7065-02	NAS task for Action Collaborative on Disaster Research	8010831	10,000.00	NIAID	NLM/SIS	IOM
DC-LM-18-15	OD-2018-03	NAS task for Action Collaborative on Disaster Research	8469994	75,000.00	NIEHS	NLM/SIS	Large Scale Event
DC-LM-18-17	OD-2018-02	NAS task for Forum on Medical and Public Health Preparedness for Disasters and Emergencies	8469994	10,000.00	NIEHS	NLM/SIS	Catastrophic Event
DC-LM-18-20	HD-8-132	NAS task for Action Collaborative on Disaster Research	8014682	10,000.00	NICHD	NLM/SIS	NASEM
DC-LM-18-21	1837	NAS task for Action Collaborative on Disaster Research	8321311	5,000.00	FIC	NLM/SIS	NASEM
DC-LM-18-22	OD-2018-05	NIH Disaster Research Response Program (https://dr2.nlm.nih.gov)	8469994	100,000.00	NIEHS	NLM/SIS	DR2 NLM Website
DC-LM-18-23	18-143	NAS task for Action Collaborative on Disaster Research	8391741	10,000.00	OBSSR/OD	NLM/SIS	NASEM
DC-LM-18-24	D2-CO-8145		8323341	10,000.00	NCI	NLM/SIS	NASEM

	Offering Name	Offering Short Description	Red, Yellow, Green	Column2	page views 2018	Timeline FY2019	working group	Offering Type	Primary Organization Name	API Access	Raw Data/FTP	Software	Website Access	Print Media	Mandate Source Type	Mandate Reference	Primary Offering Owner Name	Congress	NIH	Researchers	Clinicians	Federal Agencies	Lay Public	NLM Internal	Commercial Entities	International Collaborators	Education	Libraries/Librarians	Healthcare and Public Health orgs	Students	Press/Publishers	Priority
#101	addEvidx	HHS collaborates with the U.S. Department of Health and Human Services (HHS) to deliver 400 bills, a resource providing information on	yellow	LO	8,073,846	May 2018 - Q4 2020	All (CS, LO, OR, OMH, HHS)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x					x	x										5
#101	add-Science	AddScience offers some fee components (a collection of 1,000 articles that are reviewed and selected by expert information specialists and librarians. More bills are available in	yellow	LO	95,155	May 2018 - Q4 2020	Consumer (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		NIH Policy		Nicole Scott	x	x	x	x	x	x				x					5
CHEMISTOX	ARRIS	ARRIS provides resources on After Actions in the Use of Live Vertebrates in Biomedical Research and Testing	grant	pubmed topic queries		Q2	ChemyTox SIS/LO Bert Holdmeier (SIS)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		NIH Policy		Nicole Scott	x	x	x	x	x	x				x	x	x			1
ALTA	American Indian Health	American Indian Health is a source for information about the health and well-being of Native Americans and Alaska Natives. Portal to be sunset in	Yellow			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Unknown		Perth Hakkinen	x	x	x	x	x	x	x	x							
ALTA	Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of marine mammals. Portal to	Yellow			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett	x			x		x									
CHEMISTOX	Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides the world-class medical response to chemical disasters	yellow	understand users, create wireframes of duplication,	585,249	Q4 FY2019	Disaster or ChemyTox SIS/LO	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x		Other (e.g., historical)	Comparison to ANSER with a focus on mass casualty incidents; support for 49 U.S.C. responsibility for medical and public health management of public health emergencies (Pandemic and All Hazards Preparedness Reauthorization Act - PAHPRA), Public Law 113-5; https://www.gpo.gov/fdsys/pkg	Ben Hakkinen	x	x	x	x	x	x		x		x					4
CHEMISTOX	ChemSpider	The ChemSpider database is a dictionary of over 400,000 chemical structures and associated properties. ChemSpider includes links to NLM	yellow	+ Replace with pubmed+CLinV formula plan	4,495,339	Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Joanne Goshorn	x	x	x	x	x	c	x	x			x					1
DATA	Data Discovery	The NLM open data discovery site, presented via the Socrata platform, provides access to NLM publications, chemical, genetic, and genome datasets	Yellow	/B, /D, /D1, P1 Di doc/drug use of these platforms		Q3 (Data Discovery Index - FY2019) and Data platform	SIS, LO, NCBI, OCCO	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x			x		Unknown		David Hsiu	x	x	x	x	x	x	x	x							2
DRUG	Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides standardized publication-based supplement ingredient data to the	Yellow	/B, P, DB to talk with DSI to make a plan (Joan Gaucher		Q2 Q3, 2020	SIS, LO, CBS	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	c	x	x							2
DRUG	Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label dataset information from dietary supplement products marketed in	Yellow	Le - need to look at long term stability with indexing &	383,767	Q2 Q3, 2020	SIS, LO, CBS	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x			x		Unknown		Joanne Goshorn	x	x	x	x	x	c	x	x							2
DISMED	Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and	Yellow	Move to research resources	45,375	Q2 2020	Disaster (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://wwwnlm.nih.gov/pubs/factsheets/dimrc.html	Stacey Amsbary	x	x	x	x	x		x	x			x				4
DISMED	Disaster or Disaster-Related Publications	Disaster or, the Database for Disaster Medicine and Public Health contains links to disaster medicine and public health emergency	Yellow	when right, acquired, will move to digital collection and	74,758	Q2 2020	Disaster (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x		Other (e.g., historical)	https://wwwnlm.nih.gov/pubs/factsheets/dimrc.html	Stacey Amsbary	x	x	x	x	x		x	x			x				4
DRUG	Drug Information Portal	The Drug Information Portal contains information for over 19,000 drugs. Names, usage, and structures are displayed, as well as search links to	Yellow	Le - need to look at long term stability with indexing &	1,098,960	Q3 - Q4 (starting)	Drug (RS, LO, NCBI, LHC, OCCO)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	c	x	x							2
ALTA	Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental	Yellow	Move to research resources -	77,096	Q3 - Q4	Consumer (SIS, LO) Terry Ahmed (SIS)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Colette Hudrisier	x	x	x	x	x	x	x	x							5
ALTA	Genetid	Genetid is a portal for all genetic topics such as cell biology, DNA, genes, epigenetics, and more for students and teachers. Information from the	Yellow		433,670	Q3 (March 31, 2019)	Alla Keselman	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Alla Keselman				x										1
CHEMISTOX	Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 5,800 chemicals. A TOXNET	Yellow	going to PubChem, cancelling graphics		Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Joanne Goshorn	x	x	x	x	x	n	x	x							4
ALTA	Healthy	Healthy is an assessment tool to help consumers and decision designers for health and safety professionals and for consumers seeking information	Yellow		447,203	Q3 - Q4	Consumer (SIS/LO) Stephanie Morrison (SIS)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Heidi Hakkinen	x	x	x	x	x	x	x	x							4
CONSUMER	HealthReach	HealthReach is a collection of easy to read, multilingual health information for those working with or providing care to individuals with	Grant	connect grantees, consider investment in	250,791	Q4 - FY2019 Q1	Consumer (SIS/LO) Stephanie Morrison (SIS)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		Other (e.g., historical)		Laura Bartlett				x	x	x	x	x		x	x				5
CHEMISTOX	Household Products Database	The Household Products Database provides health and safety effects from Safety Data Sheets provided by manufacturers and	yellow	JO, JB, PC - working on hooking up PubChem	3,390,447	Q3 - Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							1
CHEMISTOX	Integrated Risk Information System (IRIS)	The Integrated Risk Information System (IRIS) is a human health assessment program evaluating quantitative and qualitative risk information on effects that may result from exposure to	yellow	Bookshelf + will contact EPA IRIS annual updates		Q3 - Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							1
CHEMISTOX	International Toxicity Estimates for Risk (ITER)	The International Toxicity Estimates for Risk (ITER) database is a publication for over 600 chemicals from authoritative groups worldwide. A	Grant	Bookshelf, managed at LO		Q3 - Q4	Glinn Isbn ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							1
CHEMISTOX	LactMed	LactMed, a Drugs and Lactation Database, is a database of over 700 drugs and other chemicals to which breastfeeding mothers may be	Grant	Bookshelf, managed at LO + Need list of publisher NCBI		Completed	ChemyTox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x	x	x		Unknown		Lucia Chen	x	x	x	x	x	n	x	x							1
CHEMISTOX	LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and	yellow	NIDDK needs to notify us about establishing a sustainable relationship	1,340,565	Q3 - Q4	ChemyTox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Perth Hakkinen	x	x	x	x	x	n	x	x							1
DISMED	MAHBoodoc Research Response Program (MRP)	The NIH NIH Disaster Research Response Program (DRP) program is a collaboration between National Institutes of Health scientists and	Yellow	Stacey to talk to NIEHS; collaborate about the plan	25,355	Q3 - Q4	Disaster (SIS/LO/NCBI)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x		Other (e.g., historical)	The National Institutes of Health's (NIH) commitment to disaster resilience has been the foundation for more than three decades of research. Multiple NIH Institutes, Centers and gateways conduct research focusing on disaster preparedness, response and recovery issues. These efforts ha	Stacey Amsbary	x	x	x	x	x		x	x			x				4
DRUG	Pillbox	Pillbox enables rapid identification of unknown solid dosage medications (tablets/capsules) based on physical characteristics and	Yellow	Drug Event team review - Images are not a searchable database	181,180	Q3 - Q4	Drug (RS (SIS, LO, NCBI, LHC, OCCO)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x			x		Unknown		David Hsiu	x	x	x	x	x	c	x	x							2
CHEMISTOX	Radiation Emergency Medical Management (REMM)	Radiation Emergency Medical Management (REMM) is a resource for acute healthcare providers, responders and treat a variety of	Yellow	Understand users, create wireframes and map	888,650	Q2 FY2020	Disaster or ChemyTox SIS/LO	Digital Service	Specialized Information Services (SIS) / Office of the Director			x	x		Other (e.g., historical)	Comparison to CHEMM which utilizes on mass casualty radiation injuries; support for HHS responsibility for medical and public health management of public health emergencies (Pandemic and All Hazards Preparedness Reauthorization Act - PAHPRA), Public Law 113-5; https://www.gpo.gov/f	Florence Chang	x	x	x	x	x	x	x	x							6
ALTA	NE main website	The 101 main website provides access to the resources offered by SIS, in the areas of toxicology and environmental health, outreach	Yellow			Q3	(Same as Environmental Health Information Portal)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	n	x	x							1
DRUG	Substance Registration System	The Substance Registration System is a joint FDA/NLM project to support health information technology initiatives to generate, share,	Grant		526,379	Q3 - Q4	Drug (RS (SIS, LO, NCBI, LHC, OCCO)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	n	x	x							2
N/A	Tox Modeler	Tox Modeler is an interactive game about toxic substances for children ages 7-12. Use of the server or tool of CEBS	Yellow				Glenn Ulbrich	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Florence Chang				x										1
CONSUMER	Tox Town	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals.	Green		1,129,613	Q2, FY2020	Consumer (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Office of the Director				x				Alla Keselman				x						x	x			5
CHEMISTOX	Tox Tutor	Tox Tutor provides college-level tutorials on the basic principles of toxicology, risk analysis, cellular toxicology, and related topics, e.g., exposure science, and an	Yellow		589,607	Q2, FY2020	Consumer (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							5
N/A	Toxilogy	Toxilogy is a free, web-based application that provides searchable, interactive maps of EPA TRI and Superfund sites, plus US Census and NIH health data.	Yellow			Q4		Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch			x	x		Unknown		Colette Hudrisier	x	x	x	x	x	n	x								1
CHEMISTOX	TOXNET	TOXNET is a free, web search system for a cluster of databases covering toxicology, hazardous chemicals, environmental health and related	Grant		1,957,267	Q4	ChemyTox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x		x		Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Florence Chang	x	x	x	x	x	n	x	x							1
CHEMISTOX	Wireless Information System for Emergency Responders (WISER)	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, managers, and healthcare providers	Yellow	Understand users, create map	694,250	Q2, FY2019	Disaster or ChemyTox SIS/LO	Probs2	Specialized Information Services (SIS) / Disaster Information Management Research Center			x	x		Other (e.g., historical)		Jennifer Nelson				x	x									4

CATEGORY	CHEM/TOX	DRUG	CONS HLTH	DIMRC	DATA	AIDS	OUTREACH
	Florence Chang	**Joyce Backus**					
Senior	**Jim Ostell**	**Clem McDonald**					
Leader(s)	**Joyce Backus**	**Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman - report	Barbara Bushman	NLM/OD with NIH, HRSA, etc	Amanda Wilson
					Pete Seibert or Mike Davidson		
Members	Evan Bolton	David Hale	Laura Bartlett	NNCO	Eric Sayers		
	Stacy Lathrop	Olivier Bodenreider	Alla Keselman	Lisa Sedlar			
				Siobhan Champ-Blackwell			
	Bert Hakkinen	Tammy Powell or Chris Hui	Fedora Braverman		Rebecca Goodwin		
	Jean Goshorn	Patrick McLaughlin or team member					
			OCPL		David Hale		
	Jim Pash	Jen Jentsch	NNCO		OCCS		
		Duc Nguyen or team member	MMS-training		LHC		
		Wei Ma or team member					
		NCBI?					

See TABS for info on offerings and contracts related to each category

DRAFT

DRAFT

From: Chang, Florence (NIH/NLM) [E]
Sent: 1 May 2019 20:55:06 +0000
To: Chang, Florence (NIH/NLM) [E];Hochstein, Colette (NIH/NLM) [E];Theisen, Lisa (NIH/NLM) [E];Brtva, Roger (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Cc: Chan, Katie (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Fisher, Allison (NIH/NLM) [E];Leubsdorf, Carl (NIH/NLM/NCBI) [C];Arndt, David (NIH/NLM/NCBI) [C];Goshorn, Jeanne (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Lathrop, Stacy (NIH/NLM/NCBI) [C];Bolton, Evan (NIH/NLM/NCBI) [E];Beck, Jeff (NIH/NLM/NCBI) [E]
Subject: Moving SIS web pages to NLM Main

Just a reminder - the Location of the meeting is at Billings B1E08.

WebEx info:

Join WebEx meeting

https://nih.webex.com/join/changfnih.gov | Passcode

Join by phone

1-650-479-3208 Call-in toll number (US/Canada)

Access code: Passcode

Global call-in numbers

Because the conflict with Data Science Basic Training, we rescheduled this meeting to **Thursday, May 2, 12:30 – 1:30 at the NLM Conf Rm LO Billings B1E08**. Please note the room change from Conf room B to Billings.

Florence
==========

While we are busy sunsetting many SIS resources, a few – mostly those consisting of small collections of web pages-- need a new home on the NLM main site. Patti has asked us to work with you on these integrations.

We would like to discuss the logistics of migrating the following pages:

1. NLM Environmental Health & Toxicology is the "Toxicology & Environmental Health Information Program (TEHIP)" portal website. It consists of about 50 pages that maintained via Teamsite. We expect it to be sunsetted approximately by July - September 2019 timeframe. SIS staff moving to LO will continue to check links and work with OCPL when corrections and new links are needed.

2. Bibliography on Alternatives to Animal Testing (ALTBIB) is an important resource for a number of reasons (political, mostly). It is currently hosted as a part of TOXNET. However, when TOXNET is integrated into NCBI platforms and the current SIS servers for TOXNET is decommissioned, ALTBIB will need a new home. We can easily move the handful of web pages and PDFs to the NLM main site.

3. TOXNET home page –TOXNET is currently being integrated into NCBI offerings. The icon for TOXNET on the NLM home page will link to a transitional TOXNET home page providing help/explanatory text to assist TOXNET users with the transition. Patti let me know that she expects this transitional page to live on the NLM main site for approximately 1-2 years after the SIS TOXNET server is decommissioned. SIS and NCBI are currently working on the help text and appropriate links to NCBI resources. We will be testing the page with current TOXNET users before its release. We expect this process to take another few months.

We appreciate your help with these changes. We do not see the need for the development support of these pages. If we need help with editing the content, the SIS staff transferred to LO and OCCS can work on them.

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: 1 May 2019 22:29:38 +0000
To: Chang, Florence (NIH/NLM) [E]
Cc: Tuncer, Diane (NIH/NIDDK) [E]
Subject: Re: Moving SIS web pages to NLM Main

Thanks for the reminder. I just found out I need to meet with Patti and Jerry at 12:30pm so will be late.

Regards,

Jody

> On May 1, 2019, at 4:56 PM, Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov> wrote:
>
> Just wanted to make sure this was on your calendar. Let's try and chat in the morning so I can fill you in.
>
> Thanks,
> Jody
>
> -----Original Appointment-----
> From: Chang, Florence (NIH/NLM) [E]
> Sent: Monday, April 15, 2019 5:39 PM
> To: Chang, Florence (NIH/NLM) [E]; Hochstein, Colette (NIH/NLM) [E]; Theisen, Lisa (NIH/NLM) [E]; Brtva, Roger (NIH/NLM) [E]; Nurik, Jody (NIH/NLM) [E]
> Cc: Chan, Katie (NIH/NLM) [E]; Tuncer, Diane (NIH/NIDDK) [E]; Fisher, Allison (NIH/NLM) [E]; Leubsdorf, Carl (NIH/NLM/NCBI) [C]; Arndt, David (NIH/NLM/NCBI) [C]; Goshorn, Jeanne (NIH/NLM) [E]; Hakkinen, Pertti (NIH/NLM) [E]; Gillikin, David (NIH/NLM) [E]; Trawick, Bart (NIH/NLM/NCBI) [E]; Lathrop, Stacy (NIH/NLM/NCBI) [C]; Bolton, Evan (NIH/NLM/NCBI) [E]; Beck, Jeff (NIH/NLM/NCBI) [E]; Pruitt, Kim (NIH/NLM/NCBI) [E]
> Subject: FW: Moving SIS web pages to NLM Main
> When: Thursday, May 2, 2019 12:30 PM-1:30 PM (UTC-05:00) Eastern Time (US & Canada).
> Where: Conference room B
>
> Hi, Jody,
>
> Could you make this meeting? I haven't heard from you. Thanks!
>
> Florence
>
> -----Original Appointment-----
> From: Chang, Florence (NIH/NLM) [E]
> Sent: Monday, April 15, 2019 5:39 PM
> To: Chang, Florence (NIH/NLM) [E]; Hochstein, Colette (NIH/NLM) [E]; Theisen, Lisa (NIH/NLM) [E]; Brtva, Roger (NIH/NLM) [E]; Nurik, Jody (NIH/NLM) [E]
> Cc: Chan, Katie (NIH/NLM) [E]; Tuncer, Diane (NIH/NIDDK) [E]; Fisher, Allison (NIH/NLM) [E]; Leubsdorf, Carl (NIH/NLM/NCBI) [C]; Arndt, David (NIH/NLM/NCBI) [C]; Goshorn, Jeanne (NIH/NLM) [E]; Hakkinen, Pertti (NIH/NLM) [E]; Gillikin, David (NIH/NLM) [E]; Trawick, Bart (NIH/NLM/NCBI) [E]; Pruitt, Kim (NIH/NLM/NCBI) [E]; Lathrop, Stacy (NIH/NLM/NCBI) [C]; Bolton, Evan (NIH/NLM/NCBI) [E]; Beck, Jeff (NIH/NLM/NCBI) [E]
> Subject: Moving SIS web pages to NLM Main
> When: Thursday, May 2, 2019 12:30 PM-1:30 PM (UTC-05:00) Eastern Time (US & Canada).
> Where: Conference room B
>
> Because the conflict with Data Science Basic Training, we rescheduled this meeting to Thursday, May 2,

12:30 – 1:30 at the NLM Conf Rm LO Billings B1E08. Please note the room change from Conf room B to Billings.
>
> Florence
> ==========
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> We would like to discuss the logistics of migrating the following pages:
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> 1. NLM Environmental Health & Toxicology <https://envirotoxinfo.nlm.nih.gov/> is the "Toxicology & Environmental Health Information Program (TEHIP)" portal website. It consists of about 50 pages that maintained via Teamsite. We expect it to be sunsetted approximately by July - September 2019 timeframe. SIS staff moving to LO will continue to check links and work with OCPL when corrections and new links are needed.
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> 1. Bibliography on Alternatives to Animal Testing (ALTBIB)<https://toxnet.nlm.nih.gov/html/altbib.html> is an important resource for a number of reasons (political, mostly). It is currently hosted as a part of TOXNET. However, when TOXNET is integrated into NCBI platforms and the current SIS servers for TOXNET is decommissioned, ALTBIB will need a new home. We can easily move the handful of web pages and PDFs to the NLM main site.
>
>
> 1. TOXNET home page<https://toxnet.nlm.nih.gov/index.html> –TOXNET is currently being integrated into NCBI offerings. The icon for TOXNET on the NLM home page will link to a transitional TOXNET home page providing help/explanatory text to assist TOXNET users with the transition. Patti let me know that she expects this transitional page to live on the NLM main site for approximately 1-2 years after the SIS TOXNET server is decommissioned. SIS and NCBI are currently working on the help text and appropriate links to NCBI resources. We will be testing the page with current TOXNET users before its release. We expect this process to take another few months.
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> We appreciate your help with these changes. We do not see the need for the development support of these pages. If we need help with editing the content, the SIS staff transferred to LO and OCCS can work on them.
>
>
> Florence
> <meeting.ics>

From: Crutchman, Alise (NIH/NLM) [E]
Sent: 2 May 2019 11:53:05 +0000
To: Arnesen, Stacey (NIH/NLM) [E];Kelly, Janice (NIH/NLM) [E]
Cc: Nurik, Jody (NIH/NLM) [E];McKay, Kathryn (NIH/NLM) [E]
Subject: FW: Press Inquiry: TOXMAP Website Retirement
Importance: High

Hi Stacey and Janice,

We received the below inquiry regarding the sunsetting of TOXNET. The customer stated he/she may be interested in conducting an interview relating to this.

Please see the below.

Thank you,
Alise Crutchman

From: Crutchman, Alise (NIH/NLM) [E]
Sent: Thursday, May 02, 2019 7:50 AM
To: 'Saheel Mehta' <saheelmehta@jhu.edu>
Cc: McKay, Kathryn (NIH/NLM) [E] <kathryn.mckay@nih.gov>
Subject: RE: Press Inquiry: TOXMAP Website Retirement

Good morning Saheel,

Thank you for reaching out to the National Library of Medicine regarding TOXNET. I am forwarding your inquiry to the TOXNET team who can shed some light on the upcoming sunset of the database.

Someone should be in touch with you shortly.

Thank you,
Alise Crutchman

From: Saheel Mehta <saheelmehta@jhu.edu>
Sent: Monday, April 29, 2019 10:29 PM
To: McKay, Kathryn (NIH/NLM) [E] <kathryn.mckay@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Press Inquiry: TOXMAP Website Retirement

Dear Kathryn and Alise,

I am a freelance science writer with an interest in environmental stories. I was exploring a Superfund/NPL story when I noticed that the TOXMAP website now has a banner that the webpage will be retired in the Fall of 2019.

I did not see any press releases related to this announcement. Will it just be the map's webpage that will be retired or will the whole entire interactive map? Will the TOXNET databases still be maintained? Or is the plan to move the project elsewhere?

I would be grateful for a response from the Toxicology and Environmental Health Information Program at the National Library of Medicine. I may be interested in conducting an interview related to this matter.

Best,

Saheel Mehta

Personal Info

saheelmehta@jhu.edu

From: Nurik, Jody (NIH/NLM) [E]
Sent: 2 May 2019 12:06:05 +0000
To: Kelly, Janice (NIH/NLM) [E];Crutchman, Alise (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E]
Cc: McKay, Kathryn (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: RE: Press Inquiry: TOXMAP Website Retirement

Thanks, all. OCPL can consult on/review the response to Mehta Saheel. If she wants to pursue an interview, we can help with the talking points and coordinating clearance.

Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Thursday, May 2, 2019 8:03 AM
To: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; McKay, Kathryn (NIH/NLM) [E] <kathryn.mckay@nih.gov>
Subject: RE: Press Inquiry: TOXMAP Website Retirement

Hi all –
I am forwarding to Florence as she has the most knowledge about the future of TOXNET.

Janice

From: Crutchman, Alise (NIH/NLM) [E]
Sent: Thursday, May 2, 2019 7:53 AM
To: Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; McKay, Kathryn (NIH/NLM) [E] <kathryn.mckay@nih.gov>
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Sent: Thursday, May 02, 2019 7:50 AM
To: 'Saheel Mehta' <saheelmehta@jhu.edu>

Cc: McKay, Kathryn (NIH/NLM) [E] <kathryn.mckay@nih.gov>
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Sent: Monday, April 29, 2019 10:29 PM
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saheelmehta@jhu.edu

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Cc: Nurik, Jody (NIH/NLM) [E];McKay, Kathryn (NIH/NLM) [E]
Subject: RE: Press Inquiry: TOXMAP Website Retirement

Thanks, Janice!

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Saheel Mehta

Personal Info

saheelmehta@jhu.edu

From: Nurik, Jody (NIH/NLM) [E]
Sent: 2 May 2019 13:35:26 +0000
To: Nguyen, Pam (NIH/NLM/LHC) [E]
Subject: Can you print this off for me - legal size paper. Need it for a noon meeting. Thanks!
Attachments: Offerings w colors_working groups_contracts.xlsx

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308
Office phone: 301-827-7615

	Contract (Vendor)	Review Timeline	Description	Period of Performance	Recompetition by	Contract Amount	Obligation date of funding	Contract mechanism	% IT in cost	IAA/DC funding source	Contracts	COR	Receiving Division	Notes
CHEM/TOX	HSDB content building (Technical Research International, "TRI")		TRI funding to add new and update existing HSDB records and for database enhancement including adding new data, features, fields, and more. Funding includes management of Scientific Review Panel meetings (2 meetings/year).	7/2019 - 7/2020	Jul-2019	$1,038,575	Jul 2019; Jan 2020	GSA	0%			Bert Hakkinen	LO	
CHEM/TOX	HSDB content building (Syracuse Research Corp, "SRC")		SRC funding to add new and existing HSDB records for environmental fate section and support database enhancement for related fields.	5/2019 - 5/2020	May-2019	$400,000	May 2019; Nov 2019	GSA	0%			Bert Hakkinen	LO	
CHEM/TOX	ChemID system development (DS Federal)	Q4 FY2019	DSFederal funding to support continued development and maintenance of applications and database maintenance.	9/2019-9/2020	Sep-2019	$234,994	Sep 2019	A8 Small business	100%			Ying Sun	OCCS	
CHEM/TOX	ChemID content building (Cygnus)	Q4 FY2019	Cygnus funding to support chemical structure, data integration and updates for ChemIDplus	5/2019-5/2020	Apr-2019	$198,000	May 2019; Jan 2020	GSA	82%			Ying Sun	OCCS	
CHEM/TOX	ChemID 3-D chemical structure (Scientific Thinking)	Q4 FY2019	Funding for 3D structure support and integration activities. Contractor Mitch Miller works closely with PubChem Team.	9/2019-9/2020	Sep-2021	$20,000	Sep-2019		100%			Ying Sun	OCCS	
CHEM/TOX	ChemID: Astrix Software license (Biovia / Astrix)	Q4 FY2019	Biovia software licence for chemical structure software	8/2019-8/2020	Aug-2019	$10,000	Aug-2019		100%			Ying Sun	OCCS	
CHEM/TOX	ChemID Oracle database license	Q4 FY2019	Oracle database management system for ChemID data, licensed through OCCS	12/2018 - 12/2019		$5,262			100%			Phillip Thomas, Florence Chang	OCCS	
CHEM/TOX	LactMed (Phil Anderson)		Content creation and update of the LactMed database	7/2019 -7/2020	Jul-2019	$20,000	Jul 2019	Sole source	0%			Lucie Chen	LO	Needs COR
CHEM/TOX	Household Product Database (Henry DeLima)	Q3-Q4 FY2019	License of the content of the Household Product Database, a database on the health effects from exposure to the chemical ingredients in the household products	12/2018-12/2019	Dec-2021	$60,000	Dec 2018	Sole source	0%			Lucie Chen	LO	Needs COR
CHEM/TOX	HazMap (Jay Brown)	Q3-Q4 FY2019	License of the content of the HazMap database, a occupational exposure and diseases database	7/31/2019 -8/1/2020	Jul-2020	$38,500	Jul 2019	Sole source	0%			Lucie Chen	Sunset	
CHEM/TOX	ITER (Univ of Cincinnati)	Q FY2019	License of the content of the International Toxicity Estimates for Risk (ITER)	4/2019 - 4/2020	Apr-2021	$35,000	Apr 2019	Sole source	0%			Bert Hakkinen	LO	
CHEM/TOX	Poisindex emergency medical management (Truven Health) (Not renewed early in March)		License of the content of Poisindex from Truven Health	1/2019 - 1/2020	Jan-2019	$55,125	Jan 2019		0%			Jen Pakiam	NA	Not renewed
CHEM/TOX	SIS and TOXNET computer system/IT support (ICF)		Contract for the main IT contract with ICF International for providing SIS computer system administration and information system development support.	This contract will end Sept, 2019. Contractors will go to OCCS. $800,000 funding goes to OCCS in September, 2019	Not going to re-compete	$800,000	Sep 2019	NITAAC	100%			Florence Chang	OCCS	Supports 3.5 contractos, need COR
CHEM/TOX	TOXNET/SSEUS Content Management System (Jeffery System)	Q4 FY 2019	Support the data entry and editing system and database maintenance for TOXNET databases, including HSDB, LactMed, and ITER	7/2019 - 7/2020	Jun-2019	$30,000	Jul 2019	Open	100%			Phillip Thomas	OCCS	
DIMRC	Disaster Info Support (ICF)	Q2 FY2020	Includes support for librarian and computer programmer to support Disaster Lit, DIMRC web site, Disaster health informatics and communication innovation initiatives (training, communication)	9/2019 - 9/2020	Sep-2019	$525,000	Sep 2019	BPA	50%	SIS: $225,000 IAA and DC: $160,000	Additional IAAs and DCs from partner agencies; amount varies; FY2018 total $160K	Stacey Arnesen	LO	
CHEM/TOX	WISER (Next Century)	Q1 FY2020	To support the development of the tool for responding to hazardous material incidents. For maintenance for all platforms with minor enhancements and data (content) updates, and prototyping of voice-activated assistant.	9/2019 - 9/2020	Sep-2019	$350,000	Sep 2019	GSA	100%	SIS: $350,000 (base) SIS: $200,000 (enhancement) Additional fundings from DOT, ASPR	IAA fundings from DOT, ASPR, etc. Amount varies	Jen Pakiam	LO	
DIMRC	NASEM Forums		NASEM Med Prep Forum & Action Collab on Disaster resesarch	9/2019 - 9/2020		$25,000	Sep 2019		0%			Stacey Arnesen	LO	Annual fee, Cheryl Field, should this be a membership
CHEM/TOX	CHEMM content creation and maintenance (AlphaTrac)	Q1 FY2020	Support the content creation and maintenance of Chemical Hazards Emergency Medical Management (CHEMM)	8/1/2019 - 7/31/2020	Aug-2019	$30,047	Jul 2019	GSA	0%			Bert Hakkinen	LO	
Outreach	Special Population Resources Maintenance (ICF)	Q3 FY2019	Staffing, IT support for HealthReach, American Indian Health, Arctic Health	9/2018-9/2019	Sep-2019	$0	Sep 2019	BPA	0.01%			Laura Bartlett	NA	
Outreach	Technical and Programmatic Support for Specific Population Projects (ICF)		Support services for outreach projects such as CHIC, Community Health Maps, etc	9/2018-9/2019	Sep-2019	$460,000	Sep 2019	BPA	2%			Janice Kelly	LO	Prior John Scott had many Subcontracts for outreach awards, TBD; need COR
Outreach	Maintenace and Development Support for SIS Programs Projects (ICF)		Provide comprehensive management and staffing services to the National Library of Medicine Specialized Information Services to support websites, services and activities	9/2018-9/2019	Sep-2019	TBD ($300,000 in FY2018)	Sep 2019	BPA	1%			Nicole Scott	LO	supports 2 contract staff
Outreach	EnHIP Chair		Support for the year long duties of the EnHIP chair	1/15/2019-1/14/2020	Jan-2019	$20,000		Contract	0%			Janice Kelly	LO	need COR; is this an annual PO?
Outreach	EnHIP senior advisor		Suppport for the year long duties of the EnHIP senior advisor Rueben Warren	9/20/2018-9/19/2019		$10,000	9/20/2019	Contract	0%			Janice Kelly	LO	need COR; is this an annual PO?
Outreach	Higher Ed Project		Project addressing the needs of minority serving institutions to use HSDB and other NLM resources	3/6/18-6/28/19	Jun-2019	$60,000	6/28/2019	ICF	0%			Cassandra Allen	Sunset	
Outreach	Training and Outreach Support Services for NLM (ICF)		Subaward to ORAU for training and outreach support, promotion and logistical support to SIS	9/2018-6/2019	Jun-2019	$600,000	June 2019	BPA	0%			Nicole Scott	LO	Being competed; need COR
CONS HLTH	Consumer Health Resources: Maintenance (ICF)	Q1 FY2020	Provide subject matter and IT expertise to support Tox Town's, Kids portal, and GeneEd	9/2018-9/2019	Sep-2019	$226,500	Sep 2019	BPA	47%			Alla Keselman	LO	TOXTOWN
CONS HLTH	Special Population Resources Enhancement and Outreach (ICF)	Q4 FY2019 - Q1 FY2020	Support special population resources including HealthReach, Arctic Health, and American Indian Health.	9/2018-9/2019	Sep-2019	$220,000	Sep 2019	BPA	3%			Laura Bartlett	LO / OCCS	Need to figure out resources/funds
AIDS	AIDSinfo and AIDSource (ICF)	Q4 2020	Manage daily operations of the AIDSinfo, infoSIDA and AIDSource services - the AIDSinfo website, guidelines and panels, and treatment information	9/2018-9/2019	Sep-2019	TBD ($2,372,362 in FY2018)	Sep 2019	BPA	9%	SIS: 0 OAR: $2,600,000	2,600,000	Nicole Scott	LO	OCPL?
AIDS	AIDSinfo and AIDSource: Supplemental Tasks (ICF)	Q4 2020	Support for content development, outreach, training, evaluation, user studies, etc	9/2018-3/2020	Sep-2019	TBD ($1,327,596 in FY2018)	Sep 2019	BPA	17.00%	SIS: 0 OAR:$286,000	286,000	Nicole Scott	OCPL?	OCPL?

AIDS	AIDS Foundation Houston (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$50,000.00	Sep-2019	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Black Girl Health (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,704.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Comunidades Unidas (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,431.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Philadelphia FIGHT (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$50,000.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	Prevention Collaborative (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$50,000.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	SFPH HIVE (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,499.84	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	SFPH PleasePrEPMe (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,910.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4
AIDS	University of Massachusetts Medical School (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	$49,975.00	Sep-2018	Contract	0	SIS AIDS Funds	N/A	Nicole Scott	LO	Consider moving OET to be awarded through the UG4

	Agency	Offering	Contract	POC @NLM	POC @fed. Agency	Funding FY2018	
CHEM/TOX	FDA	ChemIDplus; Substance Registry	ICF BPA; DSFederal; Cygnus; Scientific Thinking	Ying Sun	Larry Cunningham	$50,000	
CHEM/TOX/DIMRC	DOT	WISER	Next Century	Jen Pakiam	Tom Kitty	$27,179.72	
AIDS	HRSA	AIDSinfo	ICF BPA;	Nicole Scott	Laura Cheever/ Andrea Knox	$25,000	
CHEM/TOX	FDA	Support FDA Office of Orphan Products Development (OOPD)	ICF BPA	Nicole Scott; Ying Sun	Cora Sutton	$195,000	
CHEM/TOX/DIMRC	ASPR	REMM/CHEMM	ICF BPA; Next Century; ICF (IT contract)	Florence Chang; Stacey Arnesen	John Koerner	$221,000	
NICHSR	ASPE	NICHSR	ICF BPA	?	?	$150,000	

Direct Citations							
CAN Citation Tracki	**IC Reference no.**	Offering	**CAN**	**FY2018 Amount**	**Issuing IC**	**Receiving IC**	**Purpose**
DC-LM-18-03	DCC AI 5019 03	AIDSinfo	8470035	810,000.00	NIAID	NLM/SIS	AIDS Info Service
DC-LM-18-13	DCC-AI-4042-06	NAS task for Forum on Medical and Public Health Preparedness for Disasters and Emergencies	8010831	35,000.00	NIAID	NLM/SIS	Medical and Public Health
DC-LM-18-14	DCC-AI-7065-02	NAS task for Action Collaborative on Disaster Research	8010831	10,000.00	NIAID	NLM/SIS	IOM
DC-LM-18-15	OD-2018-03	NAS task for Action Collaborative on Disaster Research	8469994	75,000.00	NIEHS	NLM/SIS	Large Scale Event
DC-LM-18-17	OD-2018-02	NAS task for Forum on Medical and Public Health Preparedness for Disasters and Emergencies	8469994	10,000.00	NIEHS	NLM/SIS	Catastrophic Event
DC-LM-18-20	HD-8-132	NAS task for Action Collaborative on Disaster Research	8014682	10,000.00	NICHD	NLM/SIS	NASEM
DC-LM-18-21	1837	NAS task for Action Collaborative on Disaster Research	8321311	5,000.00	FIC	NLM/SIS	NASEM
DC-LM-18-22	OD-2018-05	NIH Disaster Research Response Program (https://dr2.nlm.nih.gov)	8469994	100,000.00	NIEHS	NLM/SIS	DR2 NLM Website
DC-LM-18-23	18-143	NAS task for Action Collaborative on Disaster Research	8391741	10,000.00	OBSSR/OD	NLM/SIS	NASEM
DC-LM-18-24	D2-CO-8145		8323341	10,000.00	NCI	NLM/SIS	NASEM

	Offering Name	Offering Short Description	Red, Yellow, Green	Column2	page views 2018	Timeline FY2019	working group	Offering Type	Primary Organization Name	API Access	Raw Data/FTP	Software	Website Access	Print Media	Mandate Source Type	Mandate Reference	Primary Offering Owner Name	Congress	NIH	Researchers	Clinicians	Federal Agencies	Lay Public	NLM Internal	Commercial Entities	International Collaborators	Education	Libraries/Librarians	Healthcare and Public Health orgs	Students	Press/Publishers	Priority
#101	addEvidx	HHS collaborates with the U.S. Department of Health and Human Services (HHS) to deliver 400 bills, a resource providing information on	yellow	LO	8,073,846	May 2018 - Q4 2020	All (CS, LO, OR, OMH, HHS)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x		x	x					x	x										5
#101	add-Science	AddScience offers some fee components (a collection of 1,000 articles that are reviewed and selected by expert information specialists and librarians. More bills are available in	yellow	LO	95,155	May 2018 - Q4 2020	Consumer (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		NIH Policy		Nicole Scott	x	x	x	x	x	x				x					5
CHEMISTOX	ARRIS	ARRIS provides resources on After Actions in the Use of Live Vertebrates in Biomedical Research and Testing	grant	pubmed topic queries		Q2	ChemyTox SIS/LO Bert Holdmeier (SIS)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		NIH Policy		Nicole Scott	x	x	x	x	x	x				x	x	x			1
ALTA	American Indian Health	American Indian Health is a source for information about the health and well-being of Native Americans and Alaska Natives. Portal to be sunset in	Yellow			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Unknown		Perth Hakkinen	x	x	x	x	x	x	x	x							
ALTA	Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of marine mammals. Portal to	Yellow			Q3		Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch				x		Other (e.g., historical)		Laura Bartlett	x			x		x									
CHEMISTOX	Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides the world-class medical response to chemical disasters	yellow	understand users, create wireframes of duplication,	585,249	Q4 FY2019	Disaster or ChemyTox SIS/LO	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology			x	x		Other (e.g., historical)	Comparison to ANSER with a focus on mass casualty incidents; support for 49 U.S.C. responsibility for medical and public health management of public health emergencies (Pandemic and All Hazards Preparedness Reauthorization Act - PAHPRA), Public Law 113-5; https://www.gpo.gov/fdsys/pkg	Ben Hakkinen	x	x	x	x	x	x		x		x					4
CHEMISTOX	ChemSpider	The ChemSpider database is a dictionary of over 400,000 chemical structures and associated properties. ChemSpider includes links to NLM	yellow	+ Replace with pubmed+CLinV formula plan	4,495,339	Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Joanne Goshorn	x	x	x	x	x	c	x	x			x					1
DATA	Data Discovery	The NLM open data discovery site, presented via the Socrata platform, provides access to NLM publications, chemical, genetic, and genome datasets	Yellow	/B, /D, /D1, P1 Di doc/drug use of these platforms		Q3 (Data Discovery Index - FY2019) and Data platform	SIS, LO, NCBI, OCCO	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x			x		Unknown		David Hsiu	x	x	x	x	x	x	x	x							2
DRUG	Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides standardized publication-based supplement ingredient data to the	Yellow	/B, P, DB to talk with DSI to make a plan (Joan Gaucher		Q2 Q3, 2020	SIS, LO, CBS	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	c	x	x							2
DRUG	Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label dataset information from dietary supplement products marketed in	Yellow	Le - need to look at long term stability with indexing &	383,767	Q2 Q3, 2020	SIS, LO, CBS	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x			x		Unknown		Joanne Goshorn	x	x	x	x	x	c	x	x							2
DISMED	Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and	Yellow	Move to research resources	45,375	Q2 2020	Disaster (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center				x		Other (e.g., historical)	https://wwwnlm.nih.gov/pubs/factsheets/dimrc.html	Stacey Amsbary	x	x	x	x	x		x	x			x				4
DISMED	Disaster or Disaster-Related Publications	Disaster or, the Database for Disaster Medicine and Public Health contains links to disaster medicine and public health emergency	Yellow	when right, acquired, will move to digital collection and	74,758	Q2 2020	Disaster (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x		Other (e.g., historical)	https://wwwnlm.nih.gov/pubs/factsheets/dimrc.html	Stacey Amsbary	x	x	x	x	x		x	x			x				4
DRUG	Drug Information Portal	The Drug Information Portal contains information for over 19,000 drugs. Names, usage, and structures are displayed, as well as search links to	Yellow	Le - need to look at long term stability with indexing &	1,098,960	Q3 - Q4 (starting)	Drug (RS, LO, NCBI, LHC, OCCO)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	c	x	x							2
ALTA	Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental	Yellow	Move to research resources -	77,096	Q3 - Q4	Consumer (SIS, LO) Terry Ahmed (SIS)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Colette Hudrisier	x	x	x	x	x	x	x	x							5
ALTA	Genetid	Genetid is a portal for all genetic topics such as cell biology, DNA, genes, epigenetics, and more for students and teachers. Information from the	Yellow		433,670	Q3 (March 31, 2019)	Alla Keselman	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Alla Keselman				x										1
CHEMISTOX	Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 5,800 chemicals. A TOXNET	Yellow	going to PubChem, cancelling graphics		Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x	x		x		Other (e.g., historical)	Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Joanne Goshorn	x	x	x	x	x	n	x	x							4
ALTA	Healthy	Healthy is an assessment tool to help consumers and decision designers for health and safety professionals and for consumers seeking information	Yellow		447,203	Q3 - Q4	Consumer (SIS/LO) Stephanie Morrison (SIS)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Heidi Hakkinen	x	x	x	x	x	x	x	x							4
CONSUMER	HealthReach	HealthReach is a collection of easy to read, multilingual health information for those working with or providing care to individuals with	Grant	connect grantees, consider investment in	250,791	Q4 - FY2019 Q1	Consumer (SIS/LO) Stephanie Morrison (SIS)	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	x			x		Other (e.g., historical)		Laura Bartlett				x	x	x	x	x		x	x				5
CHEMISTOX	Household Products Database	The Household Products Database provides health and safety effects from Safety Data Sheets provided by manufacturers and	yellow	JO, JB, PC - working on hooking up PubChem	3,390,447	Q3 - Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							1
CHEMISTOX	Integrated Risk Information System (IRIS)	The Integrated Risk Information System (IRIS) is a human health assessment program evaluating quantitative and qualitative risk information on effects that may result from exposure to	yellow	Bookshelf + will contact EPA IRIS annual updates		Q3 - Q4	ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							1
CHEMISTOX	International Toxicity Estimates for Risk (ITER)	The International Toxicity Estimates for Risk (ITER) database is a publication for over 600 chemicals from authoritative groups worldwide. A	Grant	Bookshelf, managed at LO		Q3 - Q4	Glinn Isbn ChemyTox SIS/MCB/LO Joyce Backus (LO)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x			x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							1
CHEMISTOX	LactMed	LactMed, a Drugs and Lactation Database, is a database of over 700 drugs and other chemicals to which breastfeeding mothers may be	Grant	Bookshelf, managed at LO + Need list of publisher NCBI		Completed	ChemyTox (SIS, LO, NCBI)	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x	x	x		Unknown		Lucia Chen	x	x	x	x	x	n	x	x							1
CHEMISTOX	LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and	yellow	NIDDK needs to notify us about establishing a sustainable relationship	1,340,565	Q3 - Q4	ChemyTox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Perth Hakkinen	x	x	x	x	x	n	x	x							1
DISMED	MAHBoodoc Research Response Program (MRP)	The NIH NIH Disaster Research Response Program (DRP) program is a collaboration between National Institutes of Health scientists and	Yellow	Stacey to talk to NIEHS; collaborate about the plan	25,355	Q3 - Q4	Disaster (SIS/LO/NCBI)	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	x			x		Other (e.g., historical)	The National Institutes of Health's (NIH) commitment to disaster resilience has been the foundation for more than three decades of research. Multiple NIH Institutes, Centers and gateways conduct research focusing on disaster preparedness, response and recovery issues. These efforts ha	Stacey Amsbary	x	x	x	x	x		x	x			x				4
DRUG	Pillbox	Pillbox enables rapid identification of unknown solid dosage medications (tablets/capsules) based on physical characteristics and	Yellow	Drug Event team review - Images are not a searchable database	181,180	Q3 - Q4	Drug (RS (SIS, LO, NCBI, LHC, OCCO)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch	x			x		Unknown		David Hsiu	x	x	x	x	x	c	x	x							2
CHEMISTOX	Radiation Emergency Medical Management (REMM)	Radiation Emergency Medical Management (REMM) is a resource for acute healthcare providers, responders and treat a variety of	Yellow	Understand users, create wireframes and map	888,650	Q2 FY2020	Disaster or ChemyTox SIS/LO	Digital Service	Specialized Information Services (SIS) / Office of the Director			x	x		Other (e.g., historical)	Comparison to CHEMM which utilizes on mass casualty radiation injuries; support for HHS responsibility for medical and public health management of public health emergencies (Pandemic and All Hazards Preparedness Reauthorization Act - PAHPRA), Public Law 113-5; https://www.gpo.gov/f	Florence Chang	x	x	x	x	x	x	x	x							6
ALTA	NE main website	The 101 main website provides access to the resources offered by SIS, in the areas of toxicology and environmental health, outreach	Yellow			Q3	(Same as Environmental Health Information Portal)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	n	x	x							1
DRUG	Substance Registration System	The Substance Registration System is a joint FDA/NLM project to support health information technology initiatives to generate, share,	Grant		526,379	Q3 - Q4	Drug (RS (SIS, LO, NCBI, LHC, OCCO)	Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch				x		Unknown		Joanne Goshorn	x	x	x	x	x	n	x	x							2
N/A	Tox Modeler	Tox Modeler is an interactive game about toxic substances for children ages 7-12. Use of the server or tool of CEBS	Yellow				Glenn Ulbrich	Digital Service	Specialized Information Services (SIS) / Office of the Director				x		Other (e.g., historical)		Florence Chang				x										1
CONSUMER	Tox Town	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals.	Green		1,129,613	Q2, FY2020	Consumer (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Office of the Director				x				Alla Keselman				x						x	x			5
CHEMISTOX	Tox Tutor	Tox Tutor provides college-level tutorials on the basic principles of toxicology, risk analysis, cellular toxicology, and related topics, e.g., exposure science, and an	Yellow		589,607	Q2, FY2020	Consumer (SIS/LO)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology				x		Unknown		Perth Hakkinen	x	x	x	x	x	c	x	x							5
N/A	Toxilogy	Toxilogy is a free, web-based application that provides searchable, interactive maps of EPA TRI and Superfund sites, plus US Census and NIH health data.	Yellow			Q4		Digital Service	Specialized Information Services (SIS) / Biomedical Info Institution Services Branch			x	x		Unknown		Colette Hudrisier	x	x	x	x	x	n	x								1
CHEMISTOX	TOXNET	TOXNET is a free, web search system for a cluster of databases covering toxicology, hazardous chemicals, environmental health and related	Grant		1,957,267	Q4	ChemyTox (SIS, LO, NCBI)	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	x	x		x		Part of NLM's Toxicology and Environmental Health Information Program (TEHIP) which evolved from the Toxicology Information Program (TIP) that was established in 1967 at the (NLM) in response to recommendations made in the 1966 report "Handling of Toxicological Information," prop	Florence Chang	x	x	x	x	x	n	x	x							1
CHEMISTOX	Wireless Information System for Emergency Responders (WISER)	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, managers, and healthcare providers	Yellow	Understand users, create map	694,250	Q2, FY2019	Disaster or ChemyTox SIS/LO	Probs2	Specialized Information Services (SIS) / Disaster Information Management Research Center			x	x		Other (e.g., historical)		Jennifer Nelson				x	x									4

CATEGORY	CHEM/TOX	DRUG	CONS HLTH	DIMRC	DATA	AIDS	OUTREACH
	Florence Chang	**Joyce Backus**					
Senior	**Jim Ostell**	**Clem McDonald**					
Leader(s)	**Joyce Backus**	**Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman - report	Barbara Bushman	NLM/OD with NIH, HRSA, etc	Amanda Wilson
					Pete Seibert or Mike Davidson		
Members	Evan Bolton	David Hale	Laura Bartlett	NNCO	Eric Sayers		
	Stacy Lathrop	Olivier Bodenreider	Alla Keselman	Lisa Sedlar			
				Siobhan Champ-Blackwell			
	Bert Hakkinen	Tammy Powell or Chris Hui	Fedora Braverman		Rebecca Goodwin		
	Jean Goshorn	Patrick McLaughlin or team member					
			OCPL		David Hale		
	Jim Pash	Jen Jentsch	NNCO		OCCS		
		Duc Nguyen or team member	MMS-training		LHC		
		Wei Ma or team member					
		NCBI?					

See TABS for info on offerings and contracts related to each category

DRAFT

DRAFT

From: Chang, Florence (NIH/NLM) [E]
Sent: 2 May 2019 20:22:58 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: Draft TOXNET transition timeline
Attachments: TOXNET Transition Page implementation v2.docx

Jerry,

Here is the Word document. I need to work with NCBI team to finalize the final tasks for transition. So this version is still a draft.

Thanks!

Florence

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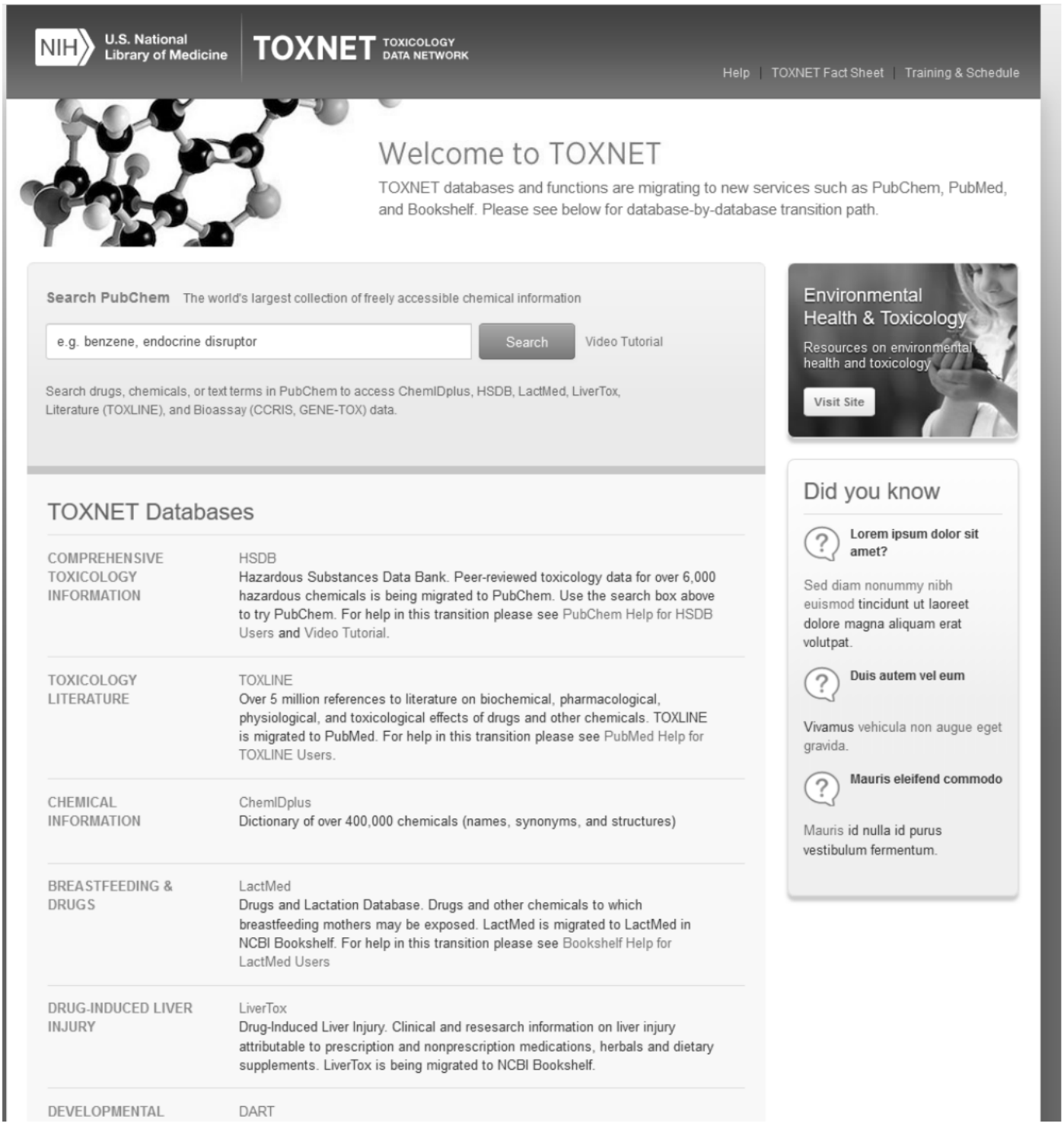

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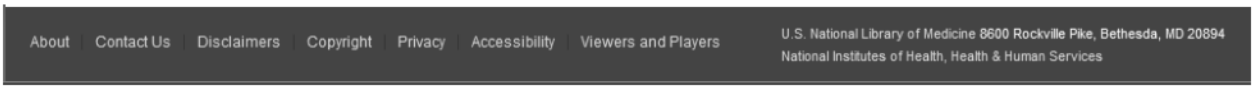

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 3 May 2019 13:57:49 +0000
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E]
Subject: RE: Draft TOXNET transition timeline
Attachments: TOXNET Transition Page implementation v2.docx

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Sent: Thursday, May 2, 2019 4:23 PM
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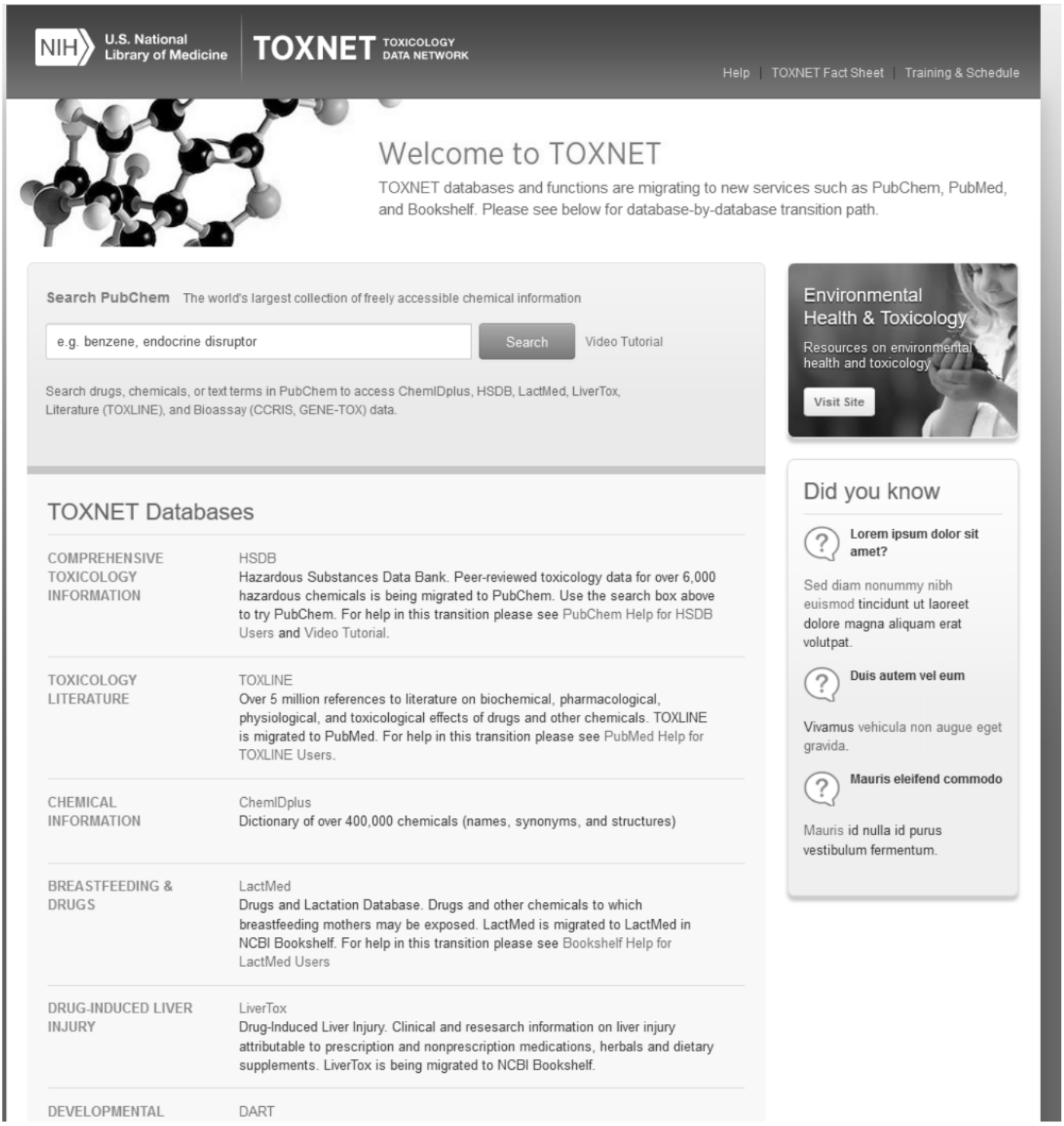

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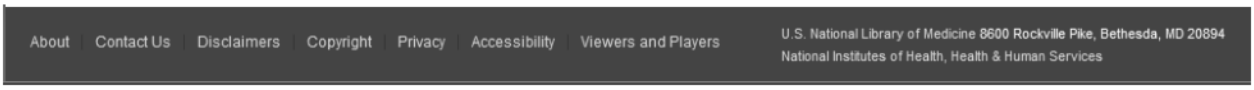

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 3 May 2019 14:26:03 +0000
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E]
Subject: RE: Draft TOXNET transition timeline

Yes, a blog post would be a good way to reach our audiences and hone our message.

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, May 3, 2019 10:03 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: RE: Draft TOXNET transition timeline

Thanks, Jerry. Patti suggested that I do a blog post about this change.

Also, we are working very closely with Dave Gillikin.

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Friday, May 3, 2019 9:58 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
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From: Danielson, Todd (NIH/NLM) [E]
Sent: 3 May 2019 20:31:57 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: FW: Research Group Estimate Spreadsheet
Attachments: FY 2019 OD Central Positions Hiring Plan 5.3.19.xlsx

Jerry,
We updated based on what is offered in the agreement. Think we got it right. See what you think. My interpretation of the provisional letter is each TT is offered package of about $550K.
Todd

From: Banh, Hue (NIH/NLM) [E]
Sent: Friday, May 3, 2019 4:21 PM
To: Danielson, Todd (NIH/NLM) [E] <danielst@mail.nlm.nih.gov>
Subject: Research Group Estimate Spreadsheet

Thank you,

Hue Banh
Administrative Officer
National Library of Medicine
8600 Rockville Pike
Bldg. 38/Rm 2N05
P: 301-827-6438
F: 301-480-4971

PENDING						
NLM OD Appointments	**Est. Annual Salary & Benefits**	**Est. Other Annual Costs**	**FY19 EST**	**FY20 EST**	**FY19 Hire**	**FY20 Hire**
Special Assistant to the Director (GS 13)	$141,814		$70,907	$141,814	Q3	
Scientific Director	$325,000		$81,250	$325,000	Q4	
Potential Recruitment Incentive	$62,500		$15,625	$46,875	Q4	
Potential Relocation	$15,000		$15,000		Q4	
Support Staff for Scientific Director (GS 9-13)	$108,417			$108,417		Q1
Intramural Appointments						
Scientific Director's Research Group						
Staff Scientist	$156,000		---	$156,000		Q1
Research Fellow	$91,000		---	$91,000		Q1

From: Shuler, Rex (NIH/NLM) [E]
Sent: 3 May 2019 22:32:12 +0000
To: NIH IT Data Call
Cc: D'Souza, Ivor (NIH/NLM) [E];Danielson, Todd (NIH/NLM) [E];Magezi, Hilda (NIH/OD) [C]
Subject: RE: ACTION: NLM FY 2021 IT Budget Data Call - Due on May 1, 2019
Attachments: NLM FY 2021 Narrative Questions--IT Budget.docx, NLM FY 2021 IT Budget Data Call.xlsx

NIH IT Data Call team:

Please find NLM's IT Budget and narrative responses attached.

If there are any questions on this filing, please let me know.

Thanks!

Rex

Rex Shuler

Office of Computer and Communication Systems
National Library of Medicine
Bethesda, MD 20894
301-496-8460 (office)
Personal Info (cell)

From: NIH IT Data Call
Sent: Wednesday, April 17, 2019 4:12 PM
To: D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Shuler, Rex (NIH/NLM) [E] <shulerr@mail.nlm.nih.gov>; Danielson, Todd (NIH/NLM) [E] <danielst@mail.nlm.nih.gov>
Cc: NIH IT Data Call <nihitdatacall@mail.nih.gov>
Subject: ACTION: NLM FY 2021 IT Budget Data Call - Due on May 1, 2019

Colleagues,

We are requesting your assistance in preparing NIH's response to the upcoming OMB FY 2021 IT Budget data call. The following materials will be required from each IC:

1. Planned and actual IT costs for your IC's information systems and applications and infrastructure, including FY 2018 actuals and planned IT costs for FY 2019, FY 2020, and FY 2021
2. Explanation of any significant budget increases/decreases

3. Narrative responses to IT management related questions *(These will be sent out to you in a separate data-call)*
4. IC Director Submission Memo

Under the FITARA legislation, the NIH CIO is required to review, approve and submit the NIH IT budget for HHS CIO approval. The information you submit will be used as part of the HHS FY 2021 budget formulation process.

Your IC Director should submit your IC's response, using the attached materials, to NIH IT Data Call (nihitdatacall@mail.nih.gov) no later than May 1,2019.

Attachments:

- FY 2021 IT Investment Budget Request spreadsheet, which contains two worksheets: *Systems and Applications, and Infrastructure*. The worksheets have been prepopulated with last year's submission.
- IC FY 2021 IT Budget Submission Definitions
- Explanation of Significant IT Budget Changes Template
- IC Director Submission Memo Example

Note: *In early Summer, OCIO will be requesting additional detailed budget information to meet OMB's requirement to report IT Towers and IT Cost Pools. We will provide you the necessary guidance, definitions and templates at this time.*

Please send any questions to NIH IT Data Call (nihitdatacall@mail.nih.gov).

Thank you!

FY 2021 IT Budget Narrative Data Call

1. Describe your IT organization, including the roles and responsibilities of your IC's CIO (or equivalent), IT organization reporting structure (please include an org chart), and scope of responsibilities.

   Mr. Ivor D'Souza, the NLM's Chief Information Officer (CIO), is also Director, Information Systems and Director, Office of Computer and Communication Systems, NLM. The NLM Organizational Chart shows the formal division structure of the NLM. Mr. D'Souza reports directly to Dr. Patricia Flatley Brennan, NLM Director, and is a member of the NLM Leadership team comprised of the NLM Director, Deputy Directors, Executive Officer, Divisional Directors, and other key program leaders. The NLM Leadership Team meets bi-weekly to review and discuss NLM-wide initiatives, including IT related matters that have NLM-wide impact.

   The NLM CIO is responsible for setting NLM-wide standards and priorities for implementation of information technology in support of NLM's mission. He coordinates activities to achieve compliance with NIH and federal government guidance/policy related to information technology, and serves as the single point of contact with NIH for all IT matters related to NLM.

2. Please describe how you incorporate risk as part of your IT investment governance/strategy.

   NLM follows the NIST Risk Management Framework to include security and risk management across our system development lifecycle, including approvals, authorization, and investment reviews, consistent with FITARA requirements.

3. Describe any specific situations where your IC expects to have a significant IT related cost avoidance or cost savings. Please provide an estimated dollar amount and year(s) the savings or avoidance has been or will be saved.

   Some software publishers offer that the NLM, as a public library, qualifies to acquire their products using academic price schedules, which usually often offer deeper discounts than federal price schedules. As an example, The NLM has participated for many years with the Maryland Educational Enterprise Consortium (MEEC) to acquire Microsoft licensing under both academic price schedules and Maryland-wide educational volume levels. As the Microsoft academic and federal licensing models differ substantially, it is challenging to describe specific cost savings, but cost savings from this one agreement alone easily total over $1 million a year. The NLM is participating with the MEEC/Microsoft agreement again this year.

4. For any new, major IT-related acquisitions your IC expects to award over the next three years, please provide a description of the effort, including scope, estimated dollar value, anticipated award time-frame, and the document number for the associated FITARA Acquisition Strategy.

   No new, major IT acquisitions planned for next three years. (Renewals of existing support contracts are planned).

5. What processes and tools does your IC use:

   a. To manage/track your IC's software inventory?

   We primarily use Altiris and BigFix to track and manage our IC software inventory.

   b. To manage/track your IC's hardware/asset inventory?

   Our IT Asset Management (ITAM) solution integrates our enterprise property system's physical inventory and acquisition records (Sunflower) with our internal network discovery tools (BigFix and Tenable). Together, our ITAM tool provides a comprehensive dataset including basic device information, unique NIH property tag number, device ownership/accountable user, network device identification, device location, device port configuration, and scanning timestamps.

6. What are your IC's plans (short term and long term) for data storage needs?

   At around 40 PB today, tactically the NLM continues to see modest ongoing incremental growth in content and associated data storage requirements (~2 PB/yr.). Strategically, the NLM is assessing its data storage needs consistent with taking on an expanded Data Science mission scope.

7. IT hosting infrastructure approach:

   a. What percentage of your current IT hosting infrastructure (servers & storage) resides in:

IC Owned Data Center(s):	**80**	**%**
Commercially Owned, Government Operated(s):		%
Commercially Owned, Commercially Operated(s):	**17**	**%**
Cloud Provider(s):	**3**	**%**

b. In three years, what percentage of your IT hosting infrastructure (servers & storage) do you anticipate will reside in:

IC Owned Data Center(s):	**80**	**%**
Commercially Owned, Government Operated(s):		%
Commercially Owned, Commercially Operated(s):	**10**	**%**
Cloud Provider(s):	**10**	**%**

c. In five years, what percentage of your IT hosting infrastructure (servers & storage) do you anticipate will reside in:

IC Owned Data Center(s):	**75**	**%**
Commercially Owned, Government Operated(s):		%
Commercially Owned, Commercially Operated(s):		
Cloud Provider(s):	**25**	**%**

8. Describe how your IC manages the secure use of cloud services (IaaS, PaaS, SaaS)?

NLM adopts secure use of cloud services and deals with the Authority to Operate (ATO) process by implementing FedRAMP security controls including Federal mandates and requirements. All NLM cloud-based systems go through the ATO review process which includes risk assessment, security control documentation, vulnerability scanning and continuous monitoring. This process ensures a high level security posture for our cloud-based systems.

9. Please describe any processes your IC uses for blacklisting or whitelisting SW?

Our 'supported software' (whitelist) includes both mandated and standard software titles, which have been evaluated and approved for use on NLM systems. Our processes restrict user behavior and our enforcement of version and patching levels further control the variation in known software releases. User accounts are not privileged to install software, so requests for supported software installs are reviewed and processed following policy, where new titles are evaluated and reviewed for adoption into this qualified whitelist. We follow DHS, CIAC, NIH and other malware reporting (AV, for instance) to eliminate and block known blacklist items.

10. Describe how your IC acquires, governs, and manages Mac computers within your environment.

We acquire Mac computers through standard PC acquisition processes, but Macs are an exception and we purchase them only on an as-needed basis. We manage Mac computers using Altiris and BigFix (with FireEye, SEP, and FourScout agents). All Mac computers are bound to Active Directory. PIV authentication is enabled on all Mac computers.

11. Does your IC **provide** any significant shared services to other ICs, to HHS OPDIVS, or to other federal agencies (shared services may include systems or applications used by multiple ICs as well as contract vehicles used to acquire IT equipment or services)? If yes, please provide specifics.

NLM has assisted the Office of Extramural Research, NIH, in developing a tool for applicants to create biosketches, a standard format for including biographical and publication information in grant applications. The software utility has been widely deployed within granting agencies of the Federal government who developed it as a cooperative project of the Federal Demonstration Partnership, an association of academic research institutions and federal agencies, including the National Science Foundation, Department of Defense, and Department of Energy.

12. Does your IC **leverage** any significant shared services provided by other ICs, HHS OPDIVS, or other federal agencies (shared services may include systems or applications used by multiple ICs as well as contract vehicles used to acquire IT equipment or services)? If yes, please provide specifics.

We rely on the NIH Center for Information Technology, ERA, NIH/OD and other teams at the NIH for the operation and maintenance of NIH enterprise solutions for services such as email, web conferencing, grants management, HR, acquisitions, and the NIH Global Directory. NLM also uses POTS from NIDDK and MERLIN (for contracts management) from NIDCD.

13. What are your top three significant challenges or opportunities where an NIH sponsored policy, practice or IT initiative (system, capability, or approach) could improve your IC's ability to support its mission priorities?

CyberArk: We are very interested in implementing CyberArk for privileged access management, but we are concerned that the CDM CyberArk initiative will fall short of meeting NLM requirements that were identified as weaknesses in recent penetration test reports. We recommend a high-level meeting with OCIO leadership to discuss alternative approaches to bridge the gap.

																	Labor costs need to be included in either DME Planned costs, Operations Planned costs or across both									
IC	IC Systems and Applications	Description	NIH IC Reporting Category	HHS Portfolio Category Alignment	FY2018 Development (DME) Planned ($M)	FY2018 Operations Planned ($M)	FY2018 Total Costs ($M)	FY2019 Development (DME) Planned ($M)	FY2019 Operations Planned ($M)	FY2019 Total Costs ($M)	FY2020 Development (DME) Planned ($M)	FY2020 Operations Planned ($M)	FY2020 Total Costs ($M)	FY2021 Development (DME) Planned ($M)	FY2021 Operations Planned ($M)	FY2021 Total Costs ($M)	# Federal FTEs Supporting Investment?	# Contractors Supporting Investment?	FY 18 FTE Cost ($M)	FY 18 Contractor Cost ($M)	FY 19 FTE Cost ($M)	FY 19 Contractor Cost ($M)	FY 20 FTE Cost ($M)	FY 20 Contractor Cost ($M)	FY 21 FTE Cost ($M)	FY 21 Contractor Cost ($M)	Has a Cloud Alternative Been Considered?
NLM	NLM Biomedical Terminology System (MBTS)	The NBTS develops and distributes multi-purpose electronic knowledge sources and associated lexical programs for use in natural language processing, computer-based patient records, decision support, and other applications.	Biomedical Data Repositories & Tools	NIH NLM Sci Mission Biomedical Terminology System (NBTS)	$0.000	$3.845	$3.845	$0.000	$4.242	$4.242	$0.000	$4.349	$4.348	$0.000	$4.457	$4.457	5.00	22.00	$0.923	$2.921	$0.792	$3.449	$0.679	$3.525	$1.010	$2.623	This investment is considering cloud computing
NLM	NLM BLAST	NLM's BLAST (Basic Local Alignment Search Tool), provides a method for rapid searching of nucleotide and protein databases.	Biomedical Data Repositories & Tools	NIH NLM Sci Mission Genome Assembly and Annotation (GenBank)	$0.000	$2.503	$2.503	$0.000	$2.313	$2.313	$0.000	$2.313	$2.313	$0.000	$2.313	$2.313	9.00	3.50	$1.701	$0.802	$1.700	$0.613	$1.72	$0.593	$1.720	$0.593	This investment is considering cloud computing
NLM	NLM Entrez Molecular Biology Website	Entrez consists of 20 integrated databases developed for searching nucleotide and protein sequence databases and related biological systems.	Biomedical Data Repositories & Tools	NIH NLM Sci Mission Molecular Biology Databases (Entrez)	$0.000	$5.273	$5.273	$0.000	$5.384	$5.384	$0.000	$5.384	$5.384	$0.000	$5.384	$5.384	7.00	22.50	$1.323	$3.950	$1.330	$4.054	$1.34	$4.044	$1.340	$4.044	This investment is considering cloud computing
NLM	NLM Genome Assembly and Annotation (GenBank)	NLM collects, manages, and analyzes human genomic data generated from the sequencing and genome mapping initiatives of the public Human Genome Project. NLM plays a key role in assembling and annotating the	Biomedical Data Repositories & Tools	NIH NLM Sci Mission Genome Assembly and Annotation (GenBank)	$0.000	$5.132	$5.132	$0.000	$4.900	$4.900	$0.000	$4.900	$4.900	$0.000	$4.900	$4.900	14.00	13.00	$2.646	$2.486	$2.650	$2.250	$2.68	$2.221	$2.680	$2.221	This investment is considering cloud computing
NLM	NLM Molecular Biology IT Support	This investment is a combination of Government and contract staff that provide specialized software engineering and services in support of mission research programs. Required to provide specialized scientific programming to the	Biomedical Data Repositories & Tools	NIH NLM Sci Mission Molecular Biology IT Support	$0.000	$9.898	$9.898	$0.000	$9.700	$9.700	$0.000	$9.700	$9.700	$0.000	$9.700	$9.700	17.00	36.00	$3.213	$6.685	$3.210	$6.490	$3.25	$6.490	$3.250	$6.490	This investment is considering cloud computing
NLM	NLM TOXICOLOGY DATA NETWORK	TOXNET (Toxicology Data Network) is the NLM's extensive collection of online bibliographic information. It is a cluster of databases covering toxicology, hazardous chemicals, and environmental health and related areas.	Biomedical Data Repositories & Tools	NIH NLM Sci Mission Toxicology Data Network	$0.000	$2.542	$2.542	$0.000	$2.542	$2.542	$0.000	$0.635	$0.635	$0.000	$0.000	$0.000	4.00	7.50	$0.681	$1.851	$0.698	$1.844	$0.170	$0.460	$0.000	$0.000	This investment is considering cloud computing
NLM	NLM Clinical Trials	NLM's Clinical Trials.gov provides comprehensive, up-to-date information about federally and privately supported clinical trials throughout the US and the world for a wide range of	Research Knowledge Dissemination	NIH NLM Sci Mission Clinical Trials Resource	$0.000	$1.450	$1.450	$0.000	$1.400	$1.400	$0.000	$1.400	$1.400	$0.000	$1.400	$1.400	0.00	7.50	$0.000	$1.450	$0.000	$1.400	$0.000	$1.400	$0.000	$1.400	This investment is considering cloud computing
NLM	NLM Health Information Resources	NLM develops and enhances large, complex information systems to meet new needs in health information, biomedical research, and historical preservation.	Research Knowledge Dissemination	NIH NLM Sci Mission Research Knowledge Dissemination Tools	$0.000	$1.300	$1.300	$0.000	$1.300	$1.300	$0.000	$1.400	$1.400	$0.000	$1.400	$1.400	1.00		$0.147		$0.151		$0.280		$0.200		This investment is considering cloud computing
NLM	NLM PubChem	PubChem is a repository for chemical structure and assay data to enhance research and develop new therapeuti	Research Knowledge Dissemination	NIH NLM Sci Mission Biomedical PubChem Data Repository	$0.000	$1.349	$1.349	$0.000	$1.400	$1.400	$0.000	$1.400	$1.400	$0.000	$1.400	$1.400	5.00	2.50	$0.945	$0.494	$1.000	$0.400	$1.01	$0.389	$1.01	$0.389	This investment is considering cloud computing
NLM	NLM Human Variation Resources	dbVar, ClinVar, GTR, dbSNP, MedGen	Research Knowledge Dissemination	NIH NLM Sci Mission Human Variation Resources	$0.000	$3.401	$3.401	$0.000	$3.300	$3.300	$0.000	$3.300	$3.300	$0.000	$3.300	$3.300	7.00	11.00	$1.323	$2.078	$1.330	$1.970	$1.34	$1.960	$1.340	$1.960	This investment is considering cloud computing
NLM	NLM Medical Library Heath Info Systems and Services	NLM manages and operates systems and applications that enable the typical functions of a medical library.	Research Knowledge Dissemination	NIH NLM Sci Mission Research Knowledge Dissemination Tools	$0.000	$6.166	$6.166	$0.000	$7.358	$7.308	$0.000	$7.491	$7.491	$0.000	$7.668	$7.668	8.00	26.00	$1.238	$3.785	$1.525	$4.160	$1.570	$4.264	$1.610	$4.377	This investment is considering cloud computing
NLM	NLM Literature Resources	NLM Literature Resources include PUBMED, PUBMED CENTRAL, and the Electronic Bookshelf. Such resources provide access to bibliographic records and full text articles from the biomedical scientific literature.	Research Knowledge Dissemination	NIH NLM Sci Mission Publications Information Management Systems	$0.000	$5.511	$5.511	$0.000	$5.400	$5.400	$0.000	$5.400	$5.400	$0.000	$5.400	$5.400	2.00	28.00	$0.378	$5.133	$0.390	$5.010	$0.39	$5.010	$0.390	$5.010	This investment is considering cloud computing
NLM	NLM Clinical Informatics and Data Standards and Analytics Research	NLM performs extensive research in standard clinical terminologies and interoperability across clinical information systems and advances the state-of-the-art in clinical informatics in such disciplines as knowledge discovery, machine learning,	Biomedical Data Repositories & Tools	NIH NLM Sci Mission Biomedical Data Repositories & Analytical Tools	$0.000	$4.154	$4.154	$0.000	$4.154	$4.154	$0.000	$4.400	$4.400	$0.000	$4.400	$4.400	$2.100	$5.000	$0.347	$1.000	$0.347	$1.000	$0.480	$1.000	$0.400	$1.000	This investment is considering cloud computing
NLM	NLM Medical Imaging and Visualization Research	NLM conducts research in the analysis, presentation, and retrieval of medical images and the creation of visualization. Areas of active investigation include image compression, image enhancement, image recognition and understanding, image	Biomedical Data Repositories & Tools	NIH NLM Sci Mission Biomedical Data Repositories & Analytical Tools	$0.000	$4.154	$4.154	$0.000	$4.154	$4.154	$0.000	$4.400	$4.400	$0.000	$4.400	$4.400	7.00	5.00	$1.136	$0.590	$1.136	$0.500	$1.280	$0.500	$1.200	$0.590	This investment is considering cloud computing
		Total			$0.000	$56.678	$56.678	$0.000	$57.497	$57.497	$0.000	$56.471	$56.471	$0.000	$56.122	$56.122	80.10	200.50	$16.811	$33.046	$16.262	$33.140	$16.249	$31.826	$16.150	$31.561	

																Labor costs need to be included in Operations Planned Cost, columns F, H, K, N									
IC	Infrastructure	System Type/ Business Function	NIM Portfolio Category Alignment	FY2018 Operations Actuals ($M)	FY2018 CIT Actuals ($M)	FY2018 Total Costs ($M)	FY2019 Operations Planned ($M)	FY2019 CIT Planned ($M)	FY2019 Total Costs ($M)	FY2020 Operations Planned ($M)	FY2020 CIT Planned ($M)	FY2020 Total Costs ($M)	FY2021 Operations Planned ($M)	FY2021 CIT Planned ($M)	FY2021 Total Costs ($M)	# Federal FTEs Supporting Investment?	# Contractors Supporting Investment?	FY 18 FTE Cost ($M)	FY 18 Contractor Cost ($M)	FY 19 FTE Cost ($M)	FY 19 Contractor Cost ($M)	FY 20 FTE Cost ($M)	FY 20 Contractor Cost ($M)	FY 21 FTE Cost ($M)	FY 21 Contractor Cost ($M)	Has a Cloud Alternative Been Considered?
NLM	Computers	All Other End User Support	NIM End User Devices, Tools &	$2.932	$0.000	$2.932	$3.358	$0.000	$3.358	$2.839	$0.000	$2.839	$2.837	$0.000	$2.837	$0.000	$6.000	$0.000	$1.136	$0.000	$1.196	$0.000	$1.228	$0.000	$1.236	This investment is considering cloud computing
NLM	Network Printers	All Other End User Support	NIM End User Devices, Tools &	$0.847	$0.000	$0.847	$0.847	$0.000	$0.847	$0.842	$0.000	$0.842	$0.840	$0.000	$0.840	$0.000	$4.000	$0.000	$0.800	$0.000	$0.850	$0.000	$0.875	$0.000	$0.875	This investment is considering cloud
NLM	End User Software	All Other End User Support	NIM End User Devices, Tools &	$0.869	$0.421	$1.290	$1.996	$0.421	$1.427	$1.090	$0.421	$1.511	$0.917	$0.421	$1.338	3.81	0.75	$0.452	$0.206	$0.501	$0.206	$0.598	$0.206	$0.509	$0.206	
NLM	Mobile Devices	All Other End User Support	NIM End User Devices, Tools &	$0.852	$0.000	$0.852	$0.851	$0.000	$0.851	$0.851	$0.000	$0.851	$0.850	$0.000	$0.850	0.00	0.00	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	This investment is considering cloud computing
NLM	IC Desktop Support	All Other End User Support	NIM End User Devices, Tools &	$4.287	$0.000	$4.287	$4.119	$0.000	$4.119	$4.168	$0.000	$4.168	$4.332	$0.000	$4.332	6.66	19.96	$1.022	$2.997	$1.086	$2.774	$1.871	$2.851	$1.062	$2.931	This investment is considering cloud
NLM	Conferencing and AV	All Other End User Support	NIM End User Devices, Tools &	$0.448	$0.000	$0.448	$0.840	$0.000	$0.840	$0.840	$0.000	$0.840	$0.840	$0.000	$0.840	8.41	2.48	$0.851	$0.390	$0.851	$0.400	$0.851	$0.418	$0.858	$0.418	This investment is considering cloud computing
NLM	Mainframe and Servers	Hosting and Storage Infrastructure	NIM Data Centers and Cloud Services	$11.200	$0.021	$11.221	$10.787	$0.021	$10.808	$10.545	$0.021	$10.566	$10.460	$0.021	$10.481	2.65	12.00	$0.389	$2.274	$0.394	$2.306	$0.341	$2.255	$0.329	$2.235	This investment is considering cloud computing
NLM	Network Storage	Hosting and Storage Infrastructure	NIM Data Centers and Cloud Services	$5.465	$0.000	$5.465	$5.215	$0.000	$5.215	$5.215	$0.000	$5.215	$5.215	$0.000	$5.215	$1.000	$6.000	$0.138	$1.068	$0.142	$1.083	$0.146	$1.109	$0.150	$1.148	This investment is considering cloud computing
NLM	All Other Hosting and Storage	Hosting and Storage Infrastructure	NIM Data Centers and Cloud Services	$12.368	$0.000	$12.368	$12.687	$0.000	$12.687	$13.196	$0.000	$13.196	$13.727	$0.000	$13.727	9.00	47.90	$1.291	$8.899	$1.291	$9.100	$1.323	$9.326	$1.356	$9.557	This investment is considering cloud
NLM	Enterprise Security Software and Tools	IT Security	NIM IT Security and Compliance	$0.780	$0.072	$0.852	$0.773	$0.072	$0.845	$0.765	$0.072	$0.837	$0.762	$0.072	$0.834	$0.460	$3.400	$0.050	$0.599	$0.050	$0.573	$0.050	$0.586	$0.050	$0.589	This investment is considering cloud
NLM	FISMA Testing	IT Security	NIM IT Security and Compliance	$0.483	$0.000	$0.483	$0.596	$0.000	$0.596	$0.480	$0.000	$0.480	$0.458	$0.000	$0.458	0.10	1.50	$0.010	$0.403	$0.010	$0.405	$0.002	$0.327	$0.000	$0.308	This investment is considering cloud
NLM	Continuous Monitoring and Vulnerability Mgt	IT Security	NIM IT Security and Compliance	$1.285	$0.000	$1.285	$1.401	$0.000	$1.401	$1.330	$0.000	$1.330	$1.318	$0.000	$1.318	1.20	4.70	$0.123	$1.154	$0.123	$1.280	$0.112	$1.295	$0.109	$1.369	This investment is considering cloud
NLM	All Other Security	IT Security	NIM IT Security and Compliance	$1.563	$0.140	$1.703	$1.983	$0.140	$2.123	$1.870	$0.140	$2.010	$1.860	$0.140	$2.000	$2.460	$6.467	$0.285	$1.225	$0.446	$1.482	$0.395	$1.424	$0.383	$1.427	This investment is considering cloud
NLM	Enterprise Collaboration Tools	Enterprise Collaboration, Web and Content Management Infrastructure	NIM Data Centers and Cloud Services	$0.388	$0.000	$0.388	$0.366	$0.000	$0.366	$0.366	$0.000	$0.366	$0.366	$0.000	$0.366	0.40	2.40	$0.000	$0.000	$0.000	$0.850	$0.000	$0.000	$0.000	$0.000	This investment is considering cloud computing
NLM	Web Hosting and Content Management	Enterprise Collaboration, Web and Content Management Infrastructure	NIM Data Centers and Cloud Services	$0.115	$0.000	$0.115	$0.115	$0.000	$0.115	$0.115	$0.000	$0.115	$0.115	$0.000	$0.115	0.00	0.50	$0.000	$0.112	$0.000	$0.112	$0.000	$0.112	$0.000	$0.112	This investment is considering cloud computing
NLM	All Other Web Hosting, Content Mgt and Collaboration Infrastructure	Enterprise Collaboration, Web and Content Management Infrastructure	NIM Data Centers and Cloud Services	$2.907	$0.000	$2.907	$2.873	$0.000	$2.873	$2.903	$0.000	$2.903	$2.953	$0.000	$2.953	1.30	6.60	$0.175	$1.079	$0.179	$1.130	$0.183	$1.156	$0.187	$1.182	This investment is considering cloud computing
NLM	Network and Data Protection	Network Infrastructure	NIM IT Security and Compliance	$0.265	$0.000	$0.265	$0.273	$0.000	$0.273	$0.274	$0.000	$0.274	$0.180	$0.000	$0.180	0.05	0.30	$0.010	$0.080	$0.010	$0.080	$0.002	$0.080	$0.000	$0.070	This investment is considering cloud
NLM	Access Arrangements	Network Infrastructure	NIM Network and Telecommunications Infrastructure	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	0.00	0.00	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	This investment is considering cloud computing
NLM	Data Services	Network Infrastructure	NIM Network and Telecommunications Infrastructure	$0.652	$0.000	$0.652	$0.568	$0.000	$0.568	$0.580	$0.000	$0.580	$0.590	$0.000	$0.590	0.00	0.60	$0.000	$0.086	$0.000	$0.086	$0.000	$0.086	$0.000	$0.086	This investment is considering cloud computing
NLM	Legacy Voice Services	Telecommunications Infrastructure	NIM Network and Telecommunications Infrastructure	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	0.00	0.00	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	This investment is considering cloud computing
NLM	Managed Network Services	Telecommunications Infrastructure	NIM Network and Telecommunications Infrastructure	$0.275	$0.275	$0.550	$0.275	$0.275	$0.550	$0.275	$0.275	$0.550	$0.275	$0.275	$0.550	0.00	0.00	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	This investment is considering cloud computing
NLM	Network and Telecom Labor (internal & external Fed and Contractor labor not collected in the other Network & Telecom categories)	Network &Telecom Infrastructure	NIM Network and Telecommunications Infrastructure	$2.196	$0.000	$2.196	$2.196	$0.000	$2.196	$2.225	$0.000	$2.225	$2.271	$0.000	$2.271	2.00	9.87	$0.337	$1.635	$0.337	$1.694	$0.345	$1.734	$0.356	$1.775	This investment is considering cloud computing
NLM	Network/Telecom Equipment & Cable and Wiring	Network &Telecom Infrastructure	NIM Network and Telecommunications Infrastructure	$0.840	$0.248	$1.088	$0.778	$0.248	$1.024	$0.738	$0.246	$0.984	$0.698	$0.246	$0.944	0.00	0.00	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	This investment is considering cloud computing
NLM	Satellite Services	Telecommunications Infrastructure	NIM Network and Telecommunications Infrastructure	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	0.00	0.00	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	This investment is considering cloud computing
NLM	Transition Services	Network &Telecom Infrastructure	NIM Network and Telecommunications Infrastructure	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	0.00	0.00	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	This investment is considering cloud computing
NLM	VoIP Voice Services	Telecommunications Infrastructure	NIM Network and Telecommunications Infrastructure	$0.020		$0.020	$0.020		$0.020	$0.020		$0.020	$0.020		$0.020	0.00	0.00	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	This investment is considering cloud computing
	Total			$49.421	$1.175	$50.596	$49.497	$1.175	$50.672	$49.127	$1.175	$50.302	$49.376	$1.175	$50.551	31.32	134.53	$4.333	$24.134	$4.821	$24.008	$4.523	$25.111	$4.532	$25.550	

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 8 May 2019 12:08:34 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXLINE
Description	TOXLINE is a bibliographic database currently part of TOXNET that is created by merging currently bibliographic data from PubMed, technical report data from NTIS, grant information from NIH's RePorter, and other archival data from various sources.
Document(s) Supporting Justification	TOXLINE retirement.docx
Justification	Other: When TOXLINE was first developed (in 1972) the science of toxicology was just emerging as a recognized field for research involving several different scientific disciplines such as biochemistry, pharmacology, physiology, etc. Some of the toxicology literature was covered by MEDLINE, but much of it was not, so other relevant abstracting and indexing services were used to obtain additional literature in toxicology to merge with MEDLINE in order to create the "more complete computer-based file of toxicological information" called for by the President's Scientific Advisory Committee in 1967. Since then, MEDLINE has expanded its journal coverage significantly and other online

	sources of toxicology information are readily available. It is no longer necessary for NLM to create a merged database of this information. we will continue to maintain a subset filter in PubMed to make searching for toxicology information easy for users. In addition, the archived parts of TOXLINE will be available on the NLM FTP site.
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	Part of the TOXNET transition to NCBI involves retiring TOXLINE and directing users to the toxicology subset on PubMed
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Users who license TOXLINE and get it in xml from our FTP site Online users
Communicated Message	TOXLINE will be retired on 1 December 2019. The toxicology subset will be available on PubMed, and older archived parts of TOXLINE will be available on the FTP site.
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Technical Bulletin Newsletter
Communication Frequency	One time message
Retained Content	FTP Other: toxicology subset of PubMed
Page Redirected	No
Additional Information	---

Request Information	
Request ID	162

Task ID	141
Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	05/08/2019 10:42 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 8 May 2019 12:08:34 -0400
To: Gillikin, David (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Thomas, Phillip (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: ATTENTION: NLM SUNSETTING REQUEST CREATED

ATTENTION: The following Sunsetting Request was **CREATED** by Jeanne Goshorn.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXLINE
Description	TOXLINE is a bibliographic database currently part of TOXNET that is created by merging currently bibliographic data from PubMed, technical report data from NTIS, grant information from NIH's RePorter, and other archival data from various sources.
Document(s) Supporting Justification	TOXLINE retirement.docx
Justification	Other: When TOXLINE was first developed (in 1972) the science of toxicology was just emerging as a recognized field for research involving several different scientific disciplines such as biochemistry, pharmacology, physiology, etc. Some of the toxicology literature was covered by MEDLINE, but much of it was not, so other relevant abstracting and indexing services were used to obtain additional literature in toxicology to merge with MEDLINE in order to create the "more complete computer-based file of toxicological information" called for by the President's Scientific Advisory Committee in 1967. Since then, MEDLINE has expanded its journal coverage significantly and other online sources of toxicology information are readily available. It is no longer necessary for NLM to create a merged database of this

	information. we will continue to maintain a subset filter in PubMed to make searching for toxicology information easy for users. In addition, the archived parts of TOXLINE will be available on the NLM FTP site.
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	Part of the TOXNET transition to NCBI involves retiring TOXLINE and directing users to the toxicology subset on PubMed
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Users who license TOXLINE and get it in xml from our FTP site Online users
Communicated Message	TOXLINE will be retired on 1 December 2019. The toxicology subset will be available on PubMed, and older archived parts of TOXLINE will be available on the FTP site.
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Technical Bulletin Newsletter
Communication Frequency	One time message
Retained Content	FTP Other: toxicology subset of PubMed
Page Redirected	No
Additional Information	---

Request Information	
Request ID	162

Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	05/08/2019 10:42 a.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/OD) [E]
Sent: 8 May 2019 17:51:53 -0400
To: Middleton, Grace (NIH/NLM) [C]
Subject: FW: ATTENTION: NLM SUNSETTING REQUEST CREATED

Please take a first look at and let's discuss some time next week. Thanks.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "DoNotReply-NLMSunsetting@mail.nih.gov" <DoNotReply-NLMSunsetting@mail.nih.gov>
Date: Wednesday, May 8, 2019 at 12:08 PM
To: "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: ATTENTION: NLM SUNSETTING REQUEST CREATED

ATTENTION: The following Sunsetting Request was **CREATED** by Jeanne Goshorn.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	TOXLINE
Description	TOXLINE is a bibliographic database currently part of TOXNET that is created by merging currently bibliographic data from PubMed, technical report data from NTIS, grant information from NIH's RePorter, and other archival data from various sources.
Document(s) Supporting Justification	TOXLINE retirement.docx
Justification	Other: When TOXLINE was first developed (in 1972) the science of toxicology was just emerging as a recognized field for research involving several different scientific disciplines such as biochemistry,

	pharmacology, physiology, etc. Some of the toxicology literature was covered by MEDLINE, but much of it was not, so other relevant abstracting and indexing services were used to obtain additional literature in toxicology to merge with MEDLINE in order to create the "more complete computer-based file of toxicological information" called for by the President's Scientific Advisory Committee in 1967. Since then, MEDLINE has expanded its journal coverage significantly and other online sources of toxicology information are readily available. It is no longer necessary for NLM to create a merged database of this information. we will continue to maintain a subset filter in PubMed to make searching for toxicology information easy for users. In addition, the archived parts of TOXLINE will be available on the NLM FTP site.
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan

Staff to be Informed	David Gillikin
Communicated Message	Part of the TOXNET transition to NCBI involves retiring TOXLINE and directing users to the toxicology subset on PubMed
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	Users who license TOXLINE and get it in xml from our FTP site Online users
Communicated Message	TOXLINE will be retired on 1 December 2019. The toxicology subset will be available on PubMed, and older archived parts of TOXLINE will be available on the FTP site.

Date the Message will be Sent	06/03/2019
Communication Channel(s)	Technical Bulletin Newsletter
Communication Frequency	One time message
Retained Content	FTP Other: toxicology subset of PubMed
Page Redirected	No
Additional Information	---

Request Information

Request ID	162
Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	05/08/2019 10:42 a.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Middleton, Grace (NIH/NLM) [C]
Sent: 9 May 2019 12:36:17 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: ATTENTION: NLM SUNSETTING REQUEST CREATED

Sure.

From: Nurik, Jody (NIH/NLM) [E]
Sent: Wednesday, May 8, 2019 5:52 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: FW: ATTENTION: NLM SUNSETTING REQUEST CREATED

Please take a first look at and let's discuss some time next week. Thanks.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "DoNotReply-NLMSunsetting@mail.nih.gov" <DoNotReply-NLMSunsetting@mail.nih.gov>
Date: Wednesday, May 8, 2019 at 12:08 PM
To: "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: ATTENTION: NLM SUNSETTING REQUEST CREATED

ATTENTION: The following Sunsetting Request was **CREATED** by Jeanne Goshorn.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	TOXLINE
Description	TOXLINE is a bibliographic database currently part of TOXNET that is created by merging currently bibliographic data from PubMed, technical report data from NTIS, grant information from NIH's RePorter, and other archival data from various sources.

Document(s) Supporting Justification	TOXLINE retirement.docx
Justification	Other: When TOXLINE was first developed (in 1972) the science of toxicology was just emerging as a recognized field for research involving several different scientific disciplines such as biochemistry, pharmacology, physiology, etc. Some of the toxicology literature was covered by MEDLINE, but much of it was not, so other relevant abstracting and indexing services were used to obtain additional literature in toxicology to merge with MEDLINE in order to create the "more complete computer-based file of toxicological information" called for by the President's Scientific Advisory Committee in 1967. Since then, MEDLINE has expanded its journal coverage significantly and other online sources of toxicology information are readily available. It is no longer necessary for NLM to create a merged database of this information. we will continue to maintain a subset filter in PubMed to make searching for toxicology information easy for users. In addition, the archived parts of TOXLINE will be available on the NLM FTP site.
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan

Staff to be Informed	David Gillikin
Communicated Message	Part of the TOXNET transition to NCBI involves retiring TOXLINE and directing users to the toxicology subset on PubMed
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	Users who license TOXLINE and get it in xml from our FTP site Online users
Communicated Message	TOXLINE will be retired on 1 December 2019. The toxicology subset will be available on PubMed, and older archived parts of TOXLINE will be available on the FTP site.
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Technical Bulletin Newsletter
Communication Frequency	One time message
Retained Content	FTP Other: toxicology subset of PubMed
Page Redirected	No
Additional Information	---

Request Information

Request ID	162
Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	05/08/2019 10:42 a.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 21 May 2019 16:12:41 -0400
To: Nurik, Jody (NIH/NLM) [E]
Subject: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXNET Toxics Release Inventory (TRI)
Description	The Toxics Release Inventory (TRI), a resource of the U.S. Environmental Protection Agency, is a set of publicly available databases containing information on releases of specific toxic chemicals and their management as waste, as reported annually by U.S. industrial and federal facilities. This inventory was established under the Emergency Planning and Community Right to Know Act of 1986 (EPCRA). TRI's data, beginning with the 1987 reporting year, covers air, water, land, and underground injection releases, as well as transfers to waste sites. In agreement with the Pollution Prevention Act of 1990, source reduction and recycling data is also included in TRI. The Toxicology and Environmental Health Information Program (TEHIP) in the Division of Specialized Information Services (SIS) of the National Library of Medicine (NLM) has provided access to TRI as part of its TOXNET® (TOXicology Data NETwork) databases, which cover toxicology, hazardous chemicals, environmental health and related areas.
Document(s) Supporting Justification	TOXNET TRI Sunsetting.docx

Justification	Obsolescence / Better products have come along, whether from NLM or another group No longer aligned with NLM priorities or mission needs
Retirement Date	12/31/2019
Organization	DSIS
Key Staff Involved	Colette Hochstein Jeanne Goshorn Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Jeanne Goshorn Hua Chang David Gillikin Terry Ahmed
Communicated Message	TOXNET TRI has helped users explore data from the EPA's Toxics Release Inventory (TRI). It will be retired at the end of FY2019. The US EPA now provides several products that provide similar functionality and information.
Date the Message will be Sent	11/25/2019
Communication Channel(s)	Emails Information delivered at staff meetings Other: GovD messages

Retained Content	Other: Information/data is available on the EPA site https://www.epa.gov/tri
Additional Information	Information/data is available on the EPA site https://www.epa.gov/tri

External Communication Plan	
External Stakeholders to be Informed	NNLM/Network staff and core set of dedicated users from the Public Health and Toxicology Communities. EPA TRI staff.
Communicated Message	TOXNET TRI has helped users explore data from the EPA's Toxics Release Inventory (TRI). It will be retired at the end of FY2019. The US EPA now provides several products that provide similar functionality and information.
Date the Message will be Sent	11/29/2019
Communication Channel(s)	Technical Bulletin Emails Other: GovD delivery messages.
Communication Frequency	Weekly
Retained Content	Other:

	Information/data is available on the EPA site https://www.epa.gov/tri
Page Redirected	Yes
Redirect URL	www.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools
Additional Information	* TOXNET TRI: Queries per Month/ 12/2017- 05/2019 https://itoxnet.nlm.nih.gov/help/query_stats.html Year/Month TRI Queries 2019/05 2,482 2019/04 301 2019/03 20 2019/02 61 2019/01 94 2018/12 38 2018/11 1,976 2018/10 56 2018/09 60 2018/08 44 2018/07 283 2018/06 29 2018/05 1,985 2018/04 3,826 2018/03 108 2018/02 3,298 2018/01 36 2017/12 37

Request Information	
Request ID	183
Task ID	186
Request Status	Associate Director Approved
Created By	Colette Hochstein
Date Created	05/16/2019 02:01 p.m.

APPROVE	**RETURN** *	**REJECT** *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Middleton, Grace (NIH/NLM) [C]
Sent: 28 May 2019 19:56:48 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: Talking Points for forwarding?
Attachments: TalkingPoints_Sunsetting_GM_041219.docx

Is this what you would like me to send?

Larry,

Below is a summary of four more NLM services that we plan to sunset in coming months. We continue to review our portfolio and refine our procedures for sunsetting services. I expect to send you additional sunset updates in coming weeks.

Thanks,
Jerry

1. Probe Database (Probe DB) – Proposed sunset date: August 1, 2019

Original purpose: Probe DB was originally implemented as a registry of nucleic acid reagents for biomedical research applications at a time when array-based assays were prevalent.

Why no longer needed: With the advent of short read sequencing, the need for these technologies has declined. Sequence submissions to the Probe database have dwindled to only a couple of submissions per month. Additionally, to maintain the resource, the submission interface would need to be updated to accommodate a code library update. Given the exceedingly low submission and use rate, and evolving research trends, investing in redeveloping the submission interface is not cost-effective.

Critical issues: The content of the database will continue to be available on NLM/NCBI's FTP site.

2. TOXMAP – Proposed sunset date: October 1, 2019

Original purpose: TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program.

Why no longer needed: The US Environmental Protection Agency now produces several GIS products and visualization applications that have similar data and GIS functionality. Use of unique TOXMAP features (e.g., the ability to search TOXNET from within the GIS tools) has declined to a level too low to justify continued NLM investment in technological upgrades necessary.

Critical issues: Data used in TOXMAP will be available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. NLM will inform EPA and NIEHS of the proposed sunset, in addition to TOXMAP users.

3. Carcinogenic Potency Database (CPDB) – Proposed sunset date: October 1, 2019

Original purpose: CPDB is an archival database with historical information from the years 1980-2011 reporting on the analyses of animal cancer tests on 1547 chemicals. CPDB was developed by the Carcinogenic Potency Project at the University of California, Berkeley and the Lawrence Berkeley National Laboratory and transitioned to NLM at the end of the project.

Why no longer needed: Information in CPDB has not been maintained, so the information is increasingly out-of-date. In addition, usage has dropped considerably to fewer than 2000 page views in FY2018. The information is not structured in a way that lends itself to integration with other NLM resources.

Critical issues: The evaluated and annotated content will no longer be available on TOXNET. Data files will continue to be available for download from the NLM FTP site. Cited literature will continue to be available via PubMed.

4. Consolidation of three LinkOut for Libraries programs into a single service: Library LinkOut Outside Tool – Proposed sunset date: December 31, 2019

Original purpose: *LinkOut for Libraries* provides PubMed users with access to full text journal content through their institutional subscriptions via three separate tools: LinkOut via Submission Utility, LinkOut Local, and Outside Tool. NLM proposes to consolidate the functionality into a single service Library LinkOut using Outside Tool.

Why the consolidation is warranted: To continue providing excellent Library LinkOut service, it became evident that upgrading and consolidating the systems would be beneficial and more robust technology would be necessary. The new technological approach will allow for more efficient, effective, and reliable daily PubMed indexing. The LinkOut Outside Tool service has important advantages for libraries and their patrons, such as placing their icon on every PubMed citation. Today, library icons are not available on mobile devices; however, by late 2019, PubMed Mobile will be replaced by the new, responsive PubMed site that will display Library LinkOut using Outside Tool icons. Libraries will no longer need to generate and maintain their extensive holdings records.

Critical issues: Library LinkOut using Outside Tool libraries must purchase a link revolver software, and the cost may vary. Library users will not lose access to their library's journal subscriptions during the consolidation process, as the publisher supplied icons typically link to the same full text content. NLM has developed a list of FAQs about the transition to LinkOut using Outside Tool and has begun holding webinars with affected communities to answer questions about the transition.

From: Middleton, Grace (NIH/NLM) [C]
Sent: 28 May 2019 20:21:15 +0000
To: Kelly, Janice (NIH/NLM) [E]
Cc: Nurik, Jody (NIH/NLM) [E]
Subject: List in Sunsetting system

201	Select Gov Delivery Email Distribution Lists	Ilyse Kramer	Associate Director Approved	Grace Middleton, Jody Nurik	Details
185	ChemSpell	Janice Kelly	Associate Director Approved	Grace Middleton, Jody Nurik	Details
184	All Hazards Plan	Jennifer Pakiam	Associate Director Approved	Grace Middleton, Jody Nurik	Details
183	TOXNET Toxics Release Inventory (TRI)	Colette Hochstein	Associate Director Approved	Grace Middleton, Jody Nurik	Details
182	@NLM_SIS Twitter Accounts	Ilyse Kramer	Associate Director Approved	Grace Middleton, Jody Nurik	Details
142	Information Rx	Grace Middleton	Submitted	Kathleen Cravedi, Jody Nurik	Details
141	American Indian and Alaska Native Health portal https://americanindianhealth.nlm.nih.gov	Laura Bartlett	Communication Director Approved	Jerrard Sheehan	Details
102	Arctic Health	Laura Bartlett	Associate Director Approved	Grace Middleton, Jody Nurik	Details

From: Nurik, Jody (NIH/NLM) [E]
Sent: 29 May 2019 17:57:05 +0000
To: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: FW: SIS sunsetting communication
Attachments: BORTalk_speech_final.docx

FYI…

From: Chang, Florence (NIH/NLM) [E]
Sent: Wednesday, May 29, 2019 1:13 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: SIS sunsetting communication

Jody,

This is my BOR talk. I think there are messages in the talk that can be used for external communication.

Thanks! Talk to you at 4 pm today.

Florence

Patti announced in the Director's Report yesterday the organizational change that is taking place at NLM. My division, the specialized information services division, will be merged with other parts of NLM as a result of the reorganization. I am here today to bring you up to date on what will happen to SIS, the people, the projects, and the process. But first, I would like to give an overview from the historical perspective on SIS' contributions to NLM.

The 1960s were a decade of change. The 60s were also an era of growing environmental awareness. In 1962, Rachel Carson's book Silent Spring prompted the American public and the Congress to take action to protect the environment. In addition, the Amendment to the Federal Food, Drug, Cosmetic Act that required more toxicological testing on drugs led to a huge increase in publications. In 1966, a report by the President's Science Advisory Committee outlined issues related to the effects of hazardous chemicals on the environment and human health. The report suggested that the Department of Health, Education, and Welfare was the appropriate agency to develop an information program in this area. President Johnson accepted the recommendations, as a result, the National Library of Medicine was directed to establish the Toxicology Information Program.

Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies.

TOXLINE, the first online bibliographic system for toxicology, was developed in 1972 as a one-stop shop for toxicology information. During this period, CHEMLINE was also built as a chemical dictionary that contained chemical names and molecular structures. The first comprehensive factual database, Toxicology Data Bank, was released in 1978. This Data Bank later evolved into the Hazardous Substances Data Bank aka HSDB, a peer-reviewed database with a wide range of toxicology information.

In the early 1980s when the records of the factual toxicology databases became too large for the NLM ELHILL mainframe computer system, it was determined that a new system was needed. TOXNET was developed in 1985 and was a system of networked microcomputers used for database building, updates, and online searching.

By the end of 1980s, the SIS Toxicology Information Program was collaborating with many federal agencies. For example, the Agency for Toxic Substances and Disease Registry (aka ATSDR) provided substantial support for the HSDB. In addition, the Toxicology Information Program provided a public platform for online databases such as NIOSH' Registry of Toxic Effects of Chemical Substances (aka RTECS), and EPA's Toxics Release Inventory (TRI), and NCI's Chemical Carcinogenesis Research Information System (CCRIS).

Another notable SIS accomplishment for the 1980's was the release of the AIDS Clinical Trials Information Service (ACTIS). It was a collaborative effort with NIAID, and FDA in response to the HOPE Act in 1988. It was a needed service for the AIDS patients because most antiviral agents were still in the development stage. HIV-positive individual's access to potential treatments was only through clinical trials. AIDSTRIALS and AIDSDRUGS databases at NLM were the only way to get this information. The AIDSTRIALS later becomes the basis of Clinical Trials.gov. The AIDS Clinical Trials Information Service later becomes AIDSInfo, coordinated by NLM to provide access to the treatment guidelines. Today SIS manages the expanded AIDSinfo and coordinates NLM AIDS activities.

With the advent of the Internet, a web-based TOXNET was released in the late 1990s, following the footstep of NLM's Internet Grateful Med.

The Toxicology Information Program was rebranded as Toxicology and Environmental Health information Program with a new focus on environmental health information in response to the 1993 NLM Long Range Plan recommendation.

The Office of Outreach to Special Populations started in 2000 in response to the creation of the NIH National Center on Minority Health and Health Disparities and the beginning of the environmental justice movement. At that time, because SIS was already working in HIV/AIDS information services and HIV/AIDS community outreach that involved minority populations, and had information resources to address environmental justice questions, NLM placed the responsibility for outreach to minority populations in SIS.

One of our early outreach projects was the development of the Toxicology Information Outreach project (today known as Environmental Health Information Partnership or EnHIP.) This program recognized that minority communities were disproportionately exposed to toxic emissions and hazardous materials causing adverse health effects for the citizens within these communities. Outreach efforts with partnering Historically black colleges and universities and minority serving institutions around use of SIS resources were helpful in bringing attention to these environmental and health disparities issues. Another ongoing outreach activity is providing training on NLM information resources to the minority health professionals.

One of the questions we frequently get asked, was what's NLM's business in emergency response? Actually, our role in responding to chemical emergencies started way back in the 1980s. NLM's TIP, with ATSDR, built a portable microcomputer-based workstation, that provided information assistance to emergency response teams working on accidents involving hazardous chemicals. One of the recommendations from the 1993 NLM Long Range plan was that NLM should work with ATSDR, EPA, CDC, and other organizations with responsibility for emergency preparedness and response, and NLM should continue its research to improve access to information helpful for these organizations in managing emergencies such as chemical spills.

Early in the 2000's ATSDR reached out to SIS to make a case for developing a tool that puts HSDB on hand-held devices for the emergency HAZMAT responders. Subsequently in 2005, the Wireless Information System for Emergency Responders (WISER) was released. Since then, WISER has moved from Palm Pilot to iOS and Android platforms. With millions of downloads it has been one of the favorite mobile apps for the HAZMAT/emergency responder community.

With the memory of 911 and Katrina still fresh in our mind, NLM's role in disaster and public health emergency response was solidified in the 2006 NLM Long Range Plan: Charting the Course for the 21st Century: NLMs Long Range Plan 2006 to 2016. It called for NLM to ensure continuous access to health information and effective use of libraries and librarians when disasters occur and to establish a Disaster Information Management Research Center to make a strong commitment to disaster remediation and to provide a platform for demonstrating how libraries and librarians can be part of the solution. It also called for the Center to maintain close collaboration with appropriate federal agencies and initiatives and to operate across NLM. All NLM divisions have participated in a variety of disaster management activities, coordinated by SIS, which houses the Disaster center.

Originally, the target audiences for our toxicology information services were the researchers and professionals, SIS focused on expanding its audience base to the public in the past 10 years. Several consumer level resources were developed. For example, ToxTown provides consumer-level non-technical information about connections between chemicals, the environment, and the public's health. Since children are a special population, we also developed resources for the K-12 audience, such as the ToxMystery, Environmental Student Portal, and GeneEd.

In the past 52 years since the inception of SIS, we have accomplished a great deal, contributed to the health of the nation in many distinct and meaningful ways. We are an arm of NLM that are quick to respond to the needs of the communities. I want to acknowledge the SIS leadership and staff throughout the years, for their dedication and commitment.

As we step into the new era of data-driven discovery, NLM is transitioning to a new organizational structure that enables us to make the best use of our talents and resources. We are currently at Phase one of the plan, which focuses on consolidating NLM staff and related programs into a smaller number of divisions and offices to improve efficiency and our overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for our curation teams and a universal infrastructure for our technical teams, ensuring the integrity and sustainability of our key products and creating a common technical platform for delivering products and services.

With the reorganization, our Division, SIS, will be incorporated into other parts of NLM. SIS staff who are responsible for Outreach, Toxicology/environmental health content curation, and disaster information will be reassigned to Library Operations. The staff that provide technical support will move

to the Office of Computer and Communications Systems. Some staff will maintain their current responsibilities, others will take on new responsibilities. We plan to complete the transition by the end of June.

The important aspects of SIS will continue to be supported by NLM. All key products and services are currently being evaluated. Some will continue, others will be discontinued, and some will be integrated with other NLM products.

Here are some key considerations when we evaluate the products, services, or offerings:

- First of all, NLM should consolidate information into a few platforms for improved user experience, discoverability, and efficiency
- Priority are given to resources that are unique, high quality, and that are highly connected to NLM offerings, or clearly contribute to furthering the strategic plan
- In addition, NLM is committed to support key offerings in toxicology and environmental health
- Consider Sunsetting an offering if a sufficiently-equivalent offering is available from another agency or organization
    - For example, NLM has provided the public search interface for EPA's Toxics Release Inventory since 1985. But over the years EPA has developed its own tools for exploring this data. NLM should discontinue the version on TOXNET.
- Similarly, consider sunsetting offerings that don't have a clear sustainability or succession plan
- And consider sunsetting offerings that have low or declining use
- Furthermore, consider the cost to sustain and upgrade
- And finally, NLM shouldn't be a web provider for another agency/entity just because they pay

Next, I would like to use TOXNET as an example of integration that we have been working on.

TOXNET is SIS' major information system. It consists of a group of databases covering chemicals and drugs, toxicology, and environmental health. Among these are ChemIDplus, Hazardous Substances Data Bank, and TOXLINE, the three most accessed TOXNET databases. The latest version of the TOXNET search system is optimized for chemical searching, it is stable and performs well. But the TOXNET search engine is long overdue for a technology refresh. So, in the spirit of "One NLM", instead of developing a new search system, we have chosen to integrate TOXNET with the existing NCBI products.

Of all the NCBI information products, PubChem is probably the one most similar to the TOXNET chemical databases.

PubChem has already incorporated almost all of the ChemIDplus data and more than 90% of the information from the Hazardous Substances Data Bank.

In addition, PubMed is the major source of new data for our bibliographic databases such as TOXLINE.

Furthermore, the NCBI Bookshelf already has a large collection of digitized toxicology and chemical books and documents. Having NCBI support the next generation TOXNET seems like a natural evolution.

We envision the functions for the future TOXNET as being separated into content creation and content delivery.

The SIS team of toxicologists and chemists will continue with content creation – to enhance the content, and expand the collection.

The TOXNET data will be part of the PubMed, PubChem and NCBI Bookshelf. The web search interface and API of the new TOXNET will be delivered by these NCBI platforms.

We anticipate major benefits of this integration, many of which align with the goals and objectives of the new NLM strategic plan:

1. First, NLM will have a newer, more robust technology platform to support TOXNET
2. Secondly, We can look forward to an expansion of the TOXNET user base
3. Most importantly, with fully developed APIs and better curation procedures, we anticipate that new TOXNET data will be machine-readable and thus be suitable for machine learning and predictive modeling to advance scientific discovery

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The leadership from SIS, Library Operations, OCCS (Office of Computer and Communications Systems), NCBI, and Dr. Brennan have been working together in the past few months to evaluate SIS programs, considering what can be continued, or discontinued.

In this SIS Offering diagram, the inner ring of the donut shows the major SIS programs. The outer ring of the donut are offerings grouped under each program. The size of the area correlates with the cost of the offerings. [Explain the diagram, starting from the bottom right, the toxicology program, AIDS, public health or disaster information, and special population outreach]

In this next view of the diagram, the results of the first phase of program evaluation are shown here by using the different colors to represent the status of the offerings.

Red color represents sunset, green represents continue and yellow represents further evaluation required by focused working groups. Purple represents offerings that will be integrated with other NLM offerings, or programs that will be consolidated. For example, TOXNET and HSDB will be integrated with NCBI's platforms. Special population and AIDS outreach will be consolidated into the new NLM Home for Outreach.

As we sunset SIS offerings, we need to make sure there is a well-planned communication strategy. We are working closely with NLM OCPL (Office of Communication and Public Liaison) to establish a sunset protocol to help us to communicate with stakeholders and end users through the various communication channels.

To summarize, SIS' accomplishment spanned over 52 years from 1967 – 2019. The major program areas include toxicology and environmental health, outreach to special populations, AIDS/HIV, and disaster and public health information services.

The latest NLM Strategic Plan called for a more efficient organizational structure. The Division of SIS will be merged with other parts of NLM. The staff working in toxicology/environmental health, disaster information, and outreach will be reassigned to the Library Operations, the staff who provide technical support will be reassigned to the Office of Computer and Communications Systems.

All Key SIS offerings are under review. Some will continue, others will be discontinued, and some will be integrated with other NLM products. Our flagship offering, the TOXNET, was an example of integration into the NCBI platforms.

I would like to conclude this presentation by saying, it has not been easy to retire a division that has been around for over 50 years. We grieve over the closing of our division, but in the meantime, we shall put our hope in the future. I want to thank the staff at SIS for carrying out the incredible work they have been doing despite uncertainty during the time of the transition.

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 29 May 2019 17:30:10 -0400
To: Nurik, Jody (NIH/NLM) [E]
Subject: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXLINE
Description	TOXLINE is a bibliographic database currently part of TOXNET that is created by merging currently bibliographic data from PubMed, technical report data from NTIS, grant information from NIH's RePorter, and other archival data from various sources.
Document(s) Supporting Justification	TOXLINE retirement.docx
Justification	Other: When TOXLINE was first developed (in 1972) the science of toxicology was just emerging as a recognized field for research involving several different scientific disciplines such as biochemistry, pharmacology, physiology, etc. Some of the toxicology literature was covered by MEDLINE, but much of it was not, so other relevant abstracting and indexing services were used to obtain additional literature in toxicology to merge with MEDLINE in order to create the "more complete computer-based file of toxicological information" called for by the President's Scientific Advisory Committee in 1967. Since then, MEDLINE has expanded its journal coverage significantly and other online

	sources of toxicology information are readily available. It is no longer necessary for NLM to create a merged database of this information. we will continue to maintain a subset filter in PubMed to make searching for toxicology information easy for users. In addition, the archived parts of TOXLINE will be available on the NLM FTP site.
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	Part of the TOXNET transition to NCBI involves retiring TOXLINE and directing users to the toxicology subset on PubMed
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Users who license TOXLINE and get it in xml from our FTP site Online users
Communicated Message	TOXLINE will be retired on 1 December 2019. The toxicology subset will be available on PubMed, and older archived parts of TOXLINE will be available on the FTP site.
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Technical Bulletin Newsletter
Communication Frequency	One time message
Retained Content	FTP Other: toxicology subset of PubMed
Page Redirected	No
Additional Information	---

Request Information	
Request ID	162

Task ID	221
Request Status	Associate Director Approved
Created By	Jeanne Goshorn
Date Created	05/08/2019 10:42 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/OD) [E]
Sent: 30 May 2019 06:59:51 -0400
To: Scott, Nicole (NIH/NLM) [E]
Subject: Re: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Great job! Thanks for your efforts on this and everything else.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Date: Thursday, May 30, 2019 at 6:56 AM
To: "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>
Cc: "Champ-Blackwell, Siobhan (NIH/NLM) [E]" <siobhan.champ-blackwell@nih.gov>, "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>, "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, Diane Tuncer <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.

- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

From: Middleton, Grace (NIH/NLM) [C]
Sent: 30 May 2019 13:22:01 +0000
To: Scott, Nicole (NIH/NLM) [E];Kelly, Janice (NIH/NLM) [E]
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: Dear Loansome Doc provider communicationjn12319.docx, Suggested Messaging from Libraries to Loansome Doc Usersjn12319.docx, LonesomeDocTechnicalBulletinjn12319.docx, Toolkit Lonesome Doc communicationjn12319.docx, Loansome Doc System Messagejn12319.docx, Internal Communications PlanLonesomeDocjn12319.docx, SISSunsettingMatrix_Template.xlsx

Good Morning, Janice (SIS Team),

Sample documents on messaging for Loansome Doc, which was sunset, are attached for your use. While still in draft form, these pieces were developed by LO and reviewed by Jody. They should prove useful as you prepare your programs and offerings for sunset.

I also created a template matrix for tracking everything you plan to sunset (or will see some major change/move). You may not have every bit of information for each column, but as much as can be completed will definitely help to provide a clear picture. It would be great if you could list them by program (and highlight the line to denote program) and the individual offerings under that program below it. This will help to keep everything organized and will allow everyone to easily distinguish between a program and offering. If you would like to add anything, please feel free to do so. Should you have any questions, let Nicole and I know.

Thank you,
Grace

Grace M. Middleton, PMP [c]
National Library of Medicine | National Institutes of Health
Office of Communication and Public Liaison
Bethesda, MD 20894
Email: Grace.Middleton@nih.gov

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM

Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

Dear Loansome Doc provider,

On July 1, 2019, the National Library of Medicine (NLM) will retire the Loansome Doc system.

We understand that this transition may initially be an inconvenience as ~~be challenging because~~ some of your users currently access ~~depend on~~ Loansome Doc for retrieving ~~Doc to provide them with access to~~ journal articles.

As a reminder for users, in addition to Illiad and OCLC~~even though other methods to request articles are available, such as Illiad and OCLC. As a library professional, you understand that the medical information landscape has changed dramatically due to many factors including the increased availability of full text journal articles, funder public access policies such as those of NIH, and the overall increase in open access publishing.~~ , t

~~T~~he following resources offer alternative access to journal articles:

- PubMed (see How to Get the Journal Article)
- PubMed Central (over 5.1 million articles available)
- NLM Free Biomedical Literature Resources
- Google Scholar
- Publishers' websites
- Online free article services and collaborations
- Commercial article rental or purchasing services (see MyNCBI Document Delivery preferences)
- Browser add-ons that find free, legal, open access articles, such as Unpaywall, or Open Access Button
- Libraries serving your workplace, educational institution, association or other group you are affiliated with

For more information, see the NIH Public Access Policy and other open access initiatives.

To ease in the~~help you with this~~ transition, we have created a Loansome Doc Retirement Toolkit for ~~that you can use when~~ communicating with your users. In the Toolkit you will find~~t includes messaging,~~ a "To Do" checklist, instructions on how to produce a list of your Loansome Doc Patrons, and alternatives for receiving requests from users.

Please note that new user registration for Loansome Doc will be disabled on February 1, 2019.

We appreciate your help with this transition. ~~Please note that new user registration for Loansome Doc will be disabled on February 1, 2019.~~

~~Loansome Doc was launched on September 1, 1990. Since then, the interlibrary loan landscape has changed significantly, and researchers now have a variety of options available to obtain articles. As a result, Loansome Doc use has declined steadily since the peak in 2002. The decision to retire the system is in line with our commitment to the *NLM Strategic Plan 2017-2027: A*~~

Comment [MOU]: Should the acronym be spelled out?

~~*Platform for Biomedical Discovery and Data-Powered Health*.~~ ~~The plan calls for NLM to focus on resources that create a future in which data and information transform and accelerate biomedical discovery and improve health and health~~

~~care. Our assessment of Loansome Doc showed declining use and, therefore, the system will be retired.~~

P~~If you have any questions, p~~lease send any questions you may have to~~them to~~ NLM Customer Support.

Suggested Messaging from Libraries to Loansome Doc Users

Dear Loansome Doc user,

On July 1, 2019, the National Library of Medicine (NLM) will retire the Loansome Doc system. You are receiving this as a registered user of Lonesome Doc through PubMed to request articles from your campus or institutional library. ~~You are a registered user and may currently be using Loansome Doc from within PubMed to request articles from your campus or institutional library. The system is closing due to a continued decrease in use.~~

PubMed remains your key source for indexed, peer-reviewed literature. Copies of many articles are available for free, others for purchase, see "How to Get the Journal Article."

In addition to PubMed, the following resources offer access to journal articles:

- PubMed Central (Over 5.1 million articles available.)
- NLM Free Biomedical Literature Resources
- Google Scholar
- Publishers' websites
- Online free article services and collaborations
- Commercial article rental or purchasing services (see MyNCBI Document Delivery preferences)
- Browser add-ons that find free, legal, open access articles, such as Unpaywall, or Open Access

  Button

- Libraries serving your workplace, educational institution, association or other group you are affiliated with.

  For more information, see the NIH Public Access Policy and other open access initiatives.

  If you have any questions, please send them to your campus or institutional library. You can find the contact information for the library that provides your Loansome Doc service ~~displayed~~ on the My Account page in Loansome Doc.

Library "To Do" Checklist

1. Decide what future document delivery options your library will offer
2. Produce lists of patron information
3. Communicate upcoming changes in document delivery services to your patrons*
4. If your library decides to end document delivery services, close all patron accounts or records in

   your own systems

5. Update any library-owned web pages that reference Loansome Doc

Technical Bulletin Article- DRAFT

Comment [MOU]: Who is the audience?

On July 1, 2019, the National Library of Medicine (NLM) will retire the Loansome Doc system.

Loansome Doc was launched on September 1, 1990. Since then, interlibrary loan landscape has changed significantly, and researchers now have a variety of options available to obtain articles. As a result, Loansome Doc use has declined steadily since the peak in 2002. The decision to retire the system is in line with our commitment to the *NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health.* The plan calls for NLM to focus on resources that create a future in which data and information transform and accelerate biomedical discovery and improve health and health care. Our assessment of Loansome Doc showed declining use and, therefore, the system will be retired.

The medical information landscape has also changed dramatically due to many factors including the increased availability of full text journal articles, funder public access policies such as those of NIH, and the overall increase in open access publishing.

The following resources offer alternative access to journal articles:

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- PubMed Central (Over 5.1 million articles available.)
- NLM Free Biomedical Literature Resources
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- Publishers' websites
- Online free article services and collaborations
- Commercial article rental or purchasing services (see MyNCBI Document Delivery preferences)
- Browser add-ons that find free, legal, open access articles, such as Unpaywall, or Open Access Button

- Libraries serving your workplace, educational institution, association or other group you are affiliated with.

For more information, see the NIH Public Access Policy and other open access initiatives.

Toolkit

A “Loansome Doc Retirement Transition Toolkit for Libraries” is available at:

https://teamsite.nlm.nih.gov:81/iw-mount/default/main/nlm/WORKAREA/common/htdocs/docline/support/LD_toolkit.html

Loansome Doc will retire on July 1, 20198. This toolkit is intended to assist DOCLINE libraries that offer the service to end or modify their document delivery service.

Please consider whether or not you will continue to provide articles (document delivery) to users of your Loansome Doc service.

Comment [MOU]: Is it important to add here that new user registration will be disabled on February 1?

Loansome Doc System Message

On July 1, 2019, Loansome Doc will retire. Please see the *NLM Technical Bulletin* article, *Loansome Doc System To Retire July 1, 2019*, for more information. If you have any questions, please send them to the library that provides your Loansome Doc service. You can find their contact information ~~displayed~~ on the My Account page in Loansome Doc.

Internal Communications Plan

The following staff offices will be contacted as part of the process to sunset Loansome Doc

- PSD Staff
- Associate Director for Library Operations and Deputy Director
- OCPL
- National Network Coordinating Office / National Network of Libraries of Medicine
- Director and Deputy Director of the Library
- Director and Deputy Director of NIH

Program/Offering	Brief Explanation of	Program/Offering Owne	Internal Stakeholders	External Stakeholders	Sunset Date	Communication Message if one is

From: Kelly, Janice (NIH/NLM) [E]
Sent: 30 May 2019 13:48:57 +0000
To: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E]
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks for all the information. I developed my own mapping document yesterday with much work accomplished. I will try to incorporate any columns not presently there. I am including ALL SIS resources and programs so you will know the disposition of each at this time. Many decisions are yet to be made and so LO will have to follow up with those plans 1-2 years down the road when things are decided. I learned yesterday that is the current thinking. Workgroups are being assembled to take a high level look at the SIS resources and programs so stay tuned.

Janice

From: Middleton, Grace (NIH/NLM) [C]
Sent: Thursday, May 30, 2019 9:22 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Good Morning, Janice (SIS Team),

Sample documents on messaging for Loansome Doc, which was sunset, are attached for your use. While still in draft form, these pieces were developed by LO and reviewed by Jody. They should prove useful as you prepare your programs and offerings for sunset.

I also created a template matrix for tracking everything you plan to sunset (or will see some major change/move). You may not have every bit of information for each column, but as much as can be completed will definitely help to provide a clear picture. It would be great if you could list them by program (and highlight the line to denote program) and the individual offerings under that program below it. This will help to keep everything organized and will allow everyone to easily distinguish between a program and offering. If you would like to add anything, please feel free to do so. Should you have any questions, let Nicole and I know.

Thank you,
Grace

Grace M. Middleton, PMP [c]
National Library of Medicine | National Institutes of Health
Office of Communication and Public Liaison
Bethesda, MD 20894
Email: Grace.Middleton@nih.gov

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week

for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)

- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen,

Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

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HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

From: Nurik, Jody (NIH/NLM) [E]
Sent: 31 May 2019 12:31:06 +0000
To: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: FW: SIS Sunset Communications

☺

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, May 31, 2019 8:31 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: SIS Sunset Communications

Great, thanks – Florence. We look forward to our next meeting on Thursday.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, May 31, 2019 8:00 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Re: SIS Sunset Communications

Jody,

What you described is correct. We are working on these and will have regular follow-up meetings with OCPL staff.

I would also like to ask the NCBI team to review some of the Chem/Tox offerings, especially TOXNET sunset/transition plan. I wonder if they can view the draft versions in the sunsetting web portal.

Thanks!

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, May 31, 2019 7:30 AM
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Chang, Florence (NIH/NLM) [E]; Ostell, Jim (NIH/NLM/NCBI) [E]; Backus, Joyce (NIH/NLM) [E]
Subject: Re: SIS Sunset Communications

Hi Jerry,

Joyce and I ran into each other yesterday afternoon and we had a lengthy chat about the below.

I also provide more detail around the major takeaway from the SIS team meeting I attended on Tuesday. Specifically, that Florence and Janice were going to enter all known sunset programs/offerings as well as those projected to be sunset into the electronic sunset system. Part of the information they would be including in the sunset entries is identifying where pages need to be redirected, identifying what the current distribution channels associated with the program/offering such as social media accounts, GovDelivery, etc. and drafting talking points/messages - OCPL would then work on communication strategies and messaging.

Florence, please let me know if I missed anything.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Date: Thursday, May 30, 2019 at 3:34 PM
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Cc: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>, "Ostell, Jim (NIH/NLM/NCBI) [E]" <ostell@ncbi.nlm.nih.gov>, "Backus, Joyce (NIH/NLM) [E]" <backusj@mail.nlm.nih.gov>
Subject: SIS Sunset Communications

Jody,
I gave a brief update at today's Leadership meeting about development of a communications strategy for the sunsetting of SIS and some of its resources. One thing that became clear is the

need to engage the right people from NCBI and LO in the process so we can ensure that new points-of-contact are identified, intermediary pages are put in place for re-directing users from SIS resources to NCBI or LO resources, etc. Joyce can send you names of LO staff to engage. Jim suggested Janet Coleman for general NCBI related communications, as well as Evan and Stacie for more resource-specific communications. Can you be sure to include their suggestions in your planning process. Let's be sure to add this topic to our check-in next week.

Thanks
Jerry

Jerry Sheehan
Deputy Director
National Library of Medicine | National Institutes of Health
8600 Rockville Pike, Bethesda, MD 20894-3808 USA
Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
http://nlm.nih.gov

From: Chang, Florence (NIH/NLM) [E]
Sent: 31 May 2019 15:40:37 +0000
To: Pruitt, Kim (NIH/NLM/NCBI) [E];Sheehan, Jerry (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: SIS Sunset Communications

Kim,

Thanks for the concise summary. I will get NCBI input and feedback for all the TOXNET-related sunset plan content entered into the sunsetting web system.

Florence

From: Pruitt, Kim (NIH/NLM/NCBI) [E]
Sent: Friday, May 31, 2019 9:38 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: FW: SIS Sunset Communications

Jerry and Jody,
Jim shared an email from you related to planning communications around SIS resources. NCBI has already been working closely with Florence and others in SIS to transition data and to plan some communications around that.

Several people at NCBI (including Stacy Lathrop, Evan Bolton, Dave Arndt, Bart Trawick, Evgeny Kireev, myself) have worked closely with Florence and others in SIS and LO (David Gillikin) to develop a ToxNet content transition plan (attached). That plan lays out what content that will/not transition to NCBI (primarily PubChem and Bookshelf; Bookshelf also pushes citations to PubMed). NCBI has also provided feedback and support to Florence as her team develops a ToxNet 'transition' NLM web page that directs users to new data locations, such as PubChem, and informs users of specific ToxNet resources that are being discontinued. The Transition web page is planned to be online for 2 years at the request of the NLM director. I also understand that Florence and others are currently drafting a technical bulletin.

This is the mock up Transition web page: https://sis4.nlm.nih.gov/changPage/newtoxnet/
(login: sis4user/4sis2use)

We (NCBI) have not been, to my knowledge, part of higher level communications planning around sunsetting the entire NLM SIS division.

Caveate, I was on leave and missed last week's meeting so perhaps something more has developed.

Kim

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 3:35 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Ostell, Jim (NIH/NLM/NCBI) [E]

<ostell@ncbi.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
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Thanks
Jerry

Jerry Sheehan
Deputy Director
National Library of Medicine | National Institutes of Health
8600 Rockville Pike, Bethesda, MD 20894-3808 USA
Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
http://nlm.nih.gov

From: Nurik, Jody (NIH/NLM) [E]
Sent: 31 May 2019 15:44:36 +0000
To: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: FW: SIS Sunset Communications

FYI…

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, May 31, 2019 11:41 AM
To: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
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Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
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From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 3:35 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: SIS Sunset Communications

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Thanks
Jerry

Jerry Sheehan
Deputy Director
National Library of Medicine | National Institutes of Health
8600 Rockville Pike, Bethesda, MD 20894-3808 USA
Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
http://nlm.nih.gov

From: Brennan, Patti (NIH/NLM) [E]
Sent: 31 May 2019 17:02:05 +0000
To: Arnesen, Stacey (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E]
Subject: FW: URGENT: Fwd: Linda I need your help to sustain the DR2 Program with our NLM Partner
Attachments: NIEHS NLM MOU Dec12_2017versionwithsiglines.docx, ATT00001.htm

Your help needed here, NLM staffers – I need to understand what Linda's staff was told, how this was presented to them, etc

Stacey – what do you think the 'mistaken understanding' is?

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: "Birnbaum, Linda (NIH/NIEHS) [E]" <birnbaumls@niehs.nih.gov>
Date: Friday, May 31, 2019 at 12:57 PM
To: Patti Brennan <patti.brennan@nih.gov>
Subject: URGENT: Fwd: Linda I need your help to sustain the DR2 Program with our NLM Partner

Patti - we need to discuss this

Personal Info

We need to work together to continue this key partnership - I am sure this is just a mistake on NLM's part and you did not understand the relationship and ramifications of this trans-NIH effort.

Linda

You can reach me today at Personal Info

Linda S. Birnbaum, Ph.D., D.A.B.T., A.T.S
Director, National Institute of Environmental Health Sciences
and National Toxicology Program
phone: 919-541-3201
fax: 919-541-2260
e-mail: birnbaumls@niehs.nih.gov

Begin forwarded message:

From: "Miller, Aubrey (NIH/NIEHS) [E]" <miller.aubrey@nih.gov>
Date: May 31, 2019 at 12:40:33 PM EDT
To: "Birnbaum, Linda (NIH/NIEHS) [E]" <birnbaumls@niehs.nih.gov>
Subject: Linda I need your help to sustain the DR2 Program with our NLM Partner

Linda,

I was just notified by Stacey Arnesen that as part of the NLM reorganization that the DR2joint effort including the webpage and database would be discontinued by NLM. Stacey was not involved in the discussions regarding the value of this shared program for both ICs. She is concerned that senior leadership mistakenly believes that they are just hosting this website, like a contractor, on behalf of NIEHS. The program staff was asked by leadership to start letting folks know about the reorganization decisions, so it would be incredibly valuable at this time for you to reach out to Patti to remind her of our MOU with them (unsigned version attached; you have the signed version somewhere? That you signed during a meeting with Patti on/around 12/20/18..see email below) and explain the following key messages regarding the DR2 efforts and how it serves all of our interests as well as integrates with both the NLM and NIEHS strategic goals:

- The DR2 Pilot and now Program was started jointly by NIEHS and NLM in response to the NEJM call to arms by Dr. Collins with initial seed funding from the Director's Discretionary Fund

- The DR2 Website, is not just a website for an NIEHS Program, but a shared resource for both NIEHS, NLM, and increasingly other IC's and stakeholders.
    - NLM Co-Chairs the NIH Disaster Interest Group (IDIG) which meets monthly, about 20-40 participants, from across the ICs including NCI, FIC, NIMH, NINDS, NIAID, NIA, OD, NICHD, OBSSR
    - The effort has spawned the NASEM Action Collaborative on Disaster Research which now includes support from FIC, OBSSR, NCI, NICHD, NIAID, NLM, and NIEHS

- NIEHS identifies and curates research tools and resources, in collaboration with NLM, these tools are then placed into the NLM Disaster Lit collection.
    - Not only are these tools and resources of value to the broad research community but strategically**, these publicly accessible tools are being used to support and broaden NLM major goals for developing common data elements (CDE), data standardization, and data harmonization efforts.**
    - For example, the NIH RAPIDD protocol and other survey tools have been placed in the CDE collection and have been used by universities and public health agencies for responding to recent disasters, like Hurricane Harvey.
    - For example, the resources in the website and associated efforts using the NLM CDE platform were recently showcased during our Tucson exercise in Feb 2019. This exercise demonstrated the value of our joint investments including the use the DR2 tools and other resources from the NLM (including WISER and CHEMM, as well as the value of the CDE platform for quickly

identifying existing or developing new standardized surveys and then implementing data collection and harmonization for community and clinical research.

- This shared investment by NIEHS and NLM is overseen by a small staff at both IC's, which meet monthly to direct activities and plan progress, and requires very limited time as it is implemented through ongoing contract support mechanisms.

- Given the relatively small investment (< $100 K/year of NIEHS funds transferred to NLM) the program has received disproportionately high and diverse visibility and recognition from NIH and others including the NIH Directors Award, recent White House Subcommittee on Disaster Reduction (presented Feb 2019), ongoing ASPR recognition, numerous conference presentations, etc.
    - Additionally, the effort places NLM at the table/visibility with HHS/ASPR, NASEM, CDC, FDA, EPA, USGS, NOAA, and many others interested in disaster and public health emergency related research etc.
    - This effort serves as a lynchpin for all NIH disaster-related activities, the NIH OD is increasingly cognizant of the Program, as well as Congressional members now working on the 2020 Labor/HHS Appropriations.

- This shared resource showcases how our investments help the nation in response to major events of national significance in addition to supporting the ongoing mission of our IC's.

- **The DR2 program aligns with the new NLM strategic plan in several ways.**
    - ***To form" strategic partnerships to integrate and connect existing valuable resources supported by its sister institutes and centers of NIH and beyond"***
    - ***As access to a wide variety of data quickly is essential to resolve public health emergencies, DR2 promotes NLMs leadership to "advocate for research practices and policies that foster open science and scholarship", promotes NLMs efforts to ensure "digital research objects are FAIR" and ensures "discoverability while democratizing access".***

Thanks,
Aubrey

From: Linda Birnbaum <birnbaumls@niehs.nih.gov>
Date: Wednesday, December 20, 2017 at 6:10 PM
To: Aubrey Miller <miller.aubrey@nih.gov>
Subject: Re: MOU to review between NIEHS and NLM

Nope - really turned out to be a short, mainly more social meeting

Linda S. Birnbaum, Ph.D., D.A.B.T., A.T.S
Director, National Institute of Environmental Health Sciences
and National Toxicology Program

phone: 919-541-3201
fax: 919-541-2260
e-mail: birnbaumls@niehs.nih.gov

On Dec 20, 2017, at 4:21 PM, Miller, Aubrey (NIH/NIEHS) [E] <miller.aubrey@nih.gov> wrote:

> Linda
>
> Are there any action items/or specific focal points for us stemming from your meeting with Patti?
>
> On another note, good all hands talk this morning… Hang in there we need your sound and thoughtful leadership more than ever through these troubling times! I find the news so depressing....
>
> Aubrey
>
> **From:** Linda Birnbaum <birnbaumls@niehs.nih.gov>
> **Date:** Wednesday, December 20, 2017 at 3:08 PM
> **To:** Bruce Androphy <bruce.androphy@nih.gov>
> **Cc:** Aubrey Miller <miller.aubrey@nih.gov>
> **Subject:** Re: MOU to review between NIEHS and NLM
>
> Bruce
>
> Patti Zbrennan and I already signed this....
>
> Linda S. Birnbaum, Ph.D., D.A.B.T., A.T.S
> Director, National Institute of Environmental Health Sciences
> and National Toxicology Program
> phone: 919-541-3201
> fax: 919-541-2260
> e-mail: birnbaumls@niehs.nih.gov
> Sent from my iPhone
>
> On Dec 20, 2017, at 1:23 PM, Androphy, Bruce (NIH/NIEHS) [E] <bruce.androphy@nih.gov> wrote:
>
> > Aubrey:
> >
> > Please see some suggestions from OGC. Please incorporate as best as possible. Neither I nor OGC need to review again.
> >
> > Happy holidays!
> >
> > Bruce A. Androphy, Esq.

Director, NIEHS Ethics Office
National Institute of Environmental Health Sciences National Institutes of Health P.O.Box 12233
MD: B2-01, Room B234-B
111 T.W. Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 541-0397
Mobile: Personal Info

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<NIEHS NLM MOU Dec12_2017versionwithsiglines - OGC edits 12-20-2017.docx>

MEMORANDUM OF UNDERSTANDING

Between the

National Institutes of Health (NIH):

National Institute of Environmental Health Sciences (NIEHS) and

National Library of Medicine (NLM)

I. PURPOSE

The purpose of this Memorandum of Understanding (MOU) between the National Institute of Environmental Health Sciences (NIEHS) and the National Library of Medicine (NLM) is to:

- establish a framework for cooperation between NIEHS and NLM that supports collaboration on knowledge and information management and data science in mutual areas of interest, and

- describe the responsibilities and benefits for each party participating in the MOU.

NIEHS and NLM plan to work closely on data and information management related to:

- toxicology and environmental health
- disaster/public health emergency preparedness and response,
- disaster research and
- education/training resources

These efforts meet critical ongoing needs for developing and providing resources and providing efficiencies relevant to these types of activities and information resources. NIEHS and NLM agree that it is in the best interests of both parties and the public to develop a strategic partnership that leverages each IC's core expertise to enhance information types, content, analysis, and access to improve human health while eliminating/minimizing duplication of efforts.

II. BACKGROUND

NIEHS and NLM are each one of 27 research institutes and centers of the National Institutes of Health. The mission of NIEHS is to discover how the environment affects people to promote healthier lives. NIEHS includes efforts such as the National Toxicology Program (NTP). NTP's Interagency Center for the Evaluation of Alternative Toxicological Methods (NICEATM) supports the Interagency Coordinating Committee on

the Validation of Alternative Methods (ICCVAM). NIEHS also includes the Worker Training Program (WTP), focused on emergency response, hazardous waste clean-up, and other worker-related training efforts. Of further relevance to this MOU are the NIEHS efforts to enhance the sharing of data and data standards, and access to summaries of various environmental health topics. NIEHS and NLM currently collaborate on the NIH Disaster Research Response Program (DR2).

NLM is the world's largest medical library, and collects material and provides information and research services in all areas of biomedicine and health care. NLM's Specialized Information Services Division (SIS) maintains the Toxicology and Environmental Health Information Program (TEHIP) and the Disaster Information Management Research Center (DIMRC). Resources from these programs complement several areas within NIEHS. Examples include the Hazardous Substances Data Bank (HSDB), the Household Products Database, TOXMAP, and other databases in the TOXNET suite. The Comparative Toxicogenomics Database (CTD), supported by NIEHS, was added to TOXNET in 2011.

Further, NLM is a member of the NIEHS-supported Interagency Coordinating Committee on the Validation of Alternative Methods (ICCVAM), with the key NLM resource of mutual interest being NLM's ALTBIB portal. ALTBIB provides information on numerous alternatives to animal testing methods.

NLM DIMRC develops several disaster/public health emergency resources including Disaster Lit, the Wireless Information System for Emergency Responders (WISER), Chemical Hazards Emergency Medical Management (CHEMM), and Radiation Emergency Medical Management (REMM).

Like NIEHS and its Worker Training Program, NLM is actively involved in training and education, and recently updated and enhanced its online tutorial on principles of toxicology, ToxTutor, and multiple courses on disaster/public health emergency information as part of its Disaster Information Specialist certificate program.

This MOU between NIEHS and NLM allows for the alignment and leveraging of a wide range of skills among limited resources to assist in the continued development and enhancement of the various types of data and databases noted above while eliminating/minimizing duplication of efforts.

III. OBJECTIVES

NIEHS and NLM will work cooperatively through this MOU to:

1) Enhance the development and leverage efforts to expand information resources in toxicology, environmental health, disaster/public health emergency preparedness and response tools, and related education/training resources;
2) Expand the dissemination of information on toxicology and environmental health, and on the disaster/public health emergency preparedness and response;
3) Improve the platforms, resources, tools, and informational materials to enhance the capacity of researchers, public health practitioners, impacted communities and other stakeholders, to better prepare for, respond to, and recover from disasters and other emerging threats, and
4) Continuously improve the collaborative efforts on disaster and public health emergency research and data science, e.g., align and leverage skills sets to maximize the impact of NIEHS and NLM activities to advance the disaster research and data science efforts of both organizations while minimizing duplication of effort and resources.

IV. RESPONSIBILITIES

NIEHS will work to:

1. Provide feedback and assist in improving NLM toxicology, environmental health, disaster/public health emergency preparedness and response resources, and education/training resources, to enhance incorporation of the content of selected NIEHS databases and resources into NLM databases and resources. Specifically, NIEHS will
    I. Contribute feedback and data into the TOXNET suite of databases
    II. Explore alternatives to animal testing (e.g., ALTBIB database)
    III. Share emerging and critical information relevant to emergency preparedness and response resources such as Disaster Lit, CHEMM and WISER.
    IV. Explore expansion of K-12 and other education/training resources such as ToxTutor.
    V. Contribute to the DR2 Repository of relevant surveys, protocols, and other materials and information needed to enhance the development and implementation of timely scientific studies.
2. Coordinate with NLM on the NIH Disaster Research Response (DR2) program by aligning skills with the complementary activities of NIEHS and NLM.
3. Engage NLM on data science efforts to align and expand the range of skill sets of both NIEHS and NLM.
4. Explore the exchange of staff (e.g., fellowship opportunities; part-time work detail) with a focus on toxicology, environmental health, disaster/public health emergency preparedness and response resources, and education/training resources. This could include having one or more NIEHS experts working with NLM personnel.

NLM will work to:

1. Explore options to provide increased awareness and access to selected NIEHS databases and resources. This might include incorporation of selected databases and resources into the TOXNET suite of databases and into ALTBIB, emergency preparedness and response resources such as Disaster Lit, CHEMM and WISER, and into education/training resources under development or developed by NLM, e.g., ToxTutor.
2. Work with one or more NIEHS experts (as a potential part time work detail) on developing, leveraging, and integrating available resources.
3. Continue collaboration with NIEHS on the NIH Disaster Research Response (DR2) program by aligning skills with the complementary activities of both organizations.
4. Explore possible initiatives for methods, software and tools to enable better data sharing, integration, and analysis of toxicology and environmental data, elevate the impact and efficiency of toxicology and environmental research, e.g., establishing data standards, and working toward implementation of a common environmental health science vocabulary.

The specific desired deliverables are outlined in the objectives.

V. PERIOD OF AGREEMENT

This MOU becomes effective upon acceptance by both parties, and will continue in effect for four years, at which time NIEHS and NLM will reevaluate the need and focus for the MOU. It may be modified by mutual written consent or terminated by either party upon a 30-day advance written notice to the other party.

VI. FUNDING

Activities undertaken pursuant to this MOU shall be at the expense of the respective agencies, subject to availability of funds. If the parties agree at any point that either NLM or NIEHS will provide funding to the other for particular activities, such funding will be accomplished via Intra-NIH Direct Citation Agreement (NIH Manual 1165- Appendix 1).

VII. SIGNATURES

The undersigned approve the terms and conditions of this MOU and represent that they have the requisite authority to enter into it.

National Institute of Environmental Health Sciences, National Institutes of Health

Name: Linda S. Birnbaum, PhD, DABT, ATS

Title: Director, National Institute of Environmental Health Sciences

Signature: _____ **Date:** _____

National Library of Medicine, National Institutes of Health

Name: Patricia Flatley Brennan, RN, PhD

Title: Director, National Library of Medicine

Signature: _____ **Date:** _____

From: Kelly, Janice (NIH/NLM) [E]
Sent: 3 Jun 2019 13:27:07 +0000
To: Scott, Nicole (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Middleton, Grace (NIH/NLM) [C];Nurik, Jody (NIH/NLM) [E]
Cc: Chang, Florence (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: SIS Sunset map.xlsx

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*

- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole

(NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest

NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds

TOXMAP News

Twitter

@NLM_HIV – NLM HIV/AIDS Information

@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

	A	B	C	D	E	F	G
1	**Offering**	**Going to or Sunset**	**Person**	**Communication Plan**	**Alt Resources**	**External Messages**	**Notes**
2	TOXNET	Sunset	Florence	in development	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Part of the TOXNET integration with NCBI platforms
3	Hazardous Substance Databank	BSD	Bert		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI platforms in 2020
4	ChemIDplus	BSD	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020
5	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site.

	A	B	C	D	E	F	G
6	IRIS (Integrated Risk Information System	Sunset	Jeanne	Will be included in TOXNET sunset plan	Iris at EPA link	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link to IRIS page at EPA	Retire in fall 2019; remove from NLM products &service list
7	ITER (International Toxicity Estimates for Risk)	BSD/TBD	Bert	Will be included in TOXNET sunset plan		TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the sunset notice.	Sunset in fall 2019. Remove from NLM Products & Services list. May survive sunset if contractor issue is resolved
8	Gene-TOX	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in PubChem" on the page.	Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?
9	CPDB (Carcinogenic Potency Database)	Sunset	Jeanne	approved pre-portal		TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP.	Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and Services list
10	CRISS (Chemical Carcinogenic Potency Database	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from transition page.

	A	B	C	D	E	F	G
11	LactMed	BSD	Jeanne		Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include a link to Lactmed in Bookshelf	Content managed at BSD, public facing in Bookshelf, app will be maintained
12	Alt Bib (Alternatives to Animal Testing)	BSD	Bert		PubMed		Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page
13	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
14	Dietary Supplement Label database and Ingredient database	ODS	Jeanne		new url at ODS when moved	Provide message on page with new link when it is available and move date established	Moving to ODS May, 2020. Then remove from the NLM Products & Services
15	Household Products	BSD	Bert				
16	DERMAL	Sunset	Bert	in development	CHEMM	See message in sunset plan; include link to CHEMM	Content is merged into CHEMM
17	LiverTox	NCBI				TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and will link to LiverTox in Bookshelf	Moving to Bookshelf, change url in prod & services

	A	B	C	D	E	F	G
18	CTD (Comparative Toxicogenomics Database)	Sunset	Bert	in development		TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include notice of sunset	Will retire in fall with other TOXNET offerings with the TOXNET integration into NCBI platforms, remove from NLM Products and Services list
19	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
20	DART (Developmental and Reproductive Toxicology Database)	Sunset	Jeanne	in development	DART [subset] in PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page	Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms
21	HazMap	Sunset	Bert	in development		See message in plan	License ends in July, 2019 and will not be renewed. Message in Tech Bulletin, remove from Products & Services
22	TRI	Sunset	Colette	in system	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services
23	FDA Substance Registry System	BSD	Jeanne				Part of ChemIDplus
24	CHEMSpell API	Sunset	Florence	in system		The ChemSpell API service will retire in the Fall of 2019. The algorithm used for chemical spellchecking and the software is outdated and cannot be sustained.	Remove from NLM Products & Services, no alternative references available

	A	B	C	D	E	F	G
25	Data Discovery	BSD	David H				
26	Disaster Lit	PSD	Stacey				
27	NIH DR2	Sunset	Stacey	to be developed		See plan for message	Will sunset and perhaps move to NIEHS
28	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
29	REMM (Radiation Emergency Medical Management)	PSD	Stacey				App will be maintained
30	CHEMM (Chemical Hazards Emergency Medical Management)	PSD	Jen				
31	All Hazard Plan	Sunset	Jen	in system		The NLM version of All Hazard Plan will sunset inn September 2019 ASPR will host the site in FY2019 – FY2020 time frame (link to URL).	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in maintenance mode.
32	Pillbox	BSD	David H				
33	Drug info portal	BSD	Jeanne				

	A	B	C	D	E	F	G
34	American Indian Health	Sunset	Laura	in system	Medlineplus	The American Indian and Alaska Native portal (https://americanindianhealth.nlm.nih.gov) will be retired on June 30, 2019. Please use the Medlineplus "Native American Health" page for information about American Indian and Alaska Native health at https://medlineplus.gov/nativeamericanhealth.html. If you have any questions, please contact NLM customer support at https://support.nlm.nih.gov/.	Notice on website, notice in Technical bulletin, outreach social media feeds, remove link in NLM Prod & Services
35	HealthReach	PSD	Laura		Medlineplus		Under study at LO to determine if integrating into Medlineplus
36	Arctic Health	Sunset	Laura	in system	Univ of AK - https://arctichealth.org/	The Arctic Health portal moved to a new home on September 28, 2018. The University of Alaska Anchorage will continue to host and maintain the publications database at https://arctichealth.org/. Content from NLM hosted Arctic Health has been moved into the database and the search engine has been enhanced. Please bookmark the new URL for Arctic Health at https://arctichealth.org/.	Notice on site, Tech Bulletin, social media, remove from Prod&Services, contact UofA personnel (this is done)

	A	B	C	D	E	F	G
37	Environmental Health Student Portal	Sunset	Alla	to be developed	ToxTown	See message in plan	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products & services
38	ToxTown	PSD	Alla				
39	CHIRR	Sunset	Janice	approved pre-portal	PubMed, CDE	Notice on website (done), Contacted 2 authors (done)	Sent file to 1 author at his request
40	GeneEd	Sunset	Alla	approved pre-portal	GHR	Notice on GeneEd, Technical Bulletin - both done	Sunsetted at end of Feb, selected content available in GHR
41	ToxMystery	Sunset	Florence	approved pre-portal			done
42	SIS Main website	Sunset	Florence	in development	NLM main	Post on the SIS homepage before June 23, 2019 - This site will retire on (TBD). Please use NLM.nih.gov to find NLM products and services or contact NLM customer services for assistantce (provide link)	RWS/WIM will look for SIS content and links on the NLM main and send report to LO
43	AIDSource	OCPL	Nicole				Under study at LO to determine if integrating into Medlineplus
44	AIDSinfo	OCPL	Nicole				
45	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files.
46	**PROGRAMS**						
47	Training	OET/OCPL	Nicole Amanda				OET to continue
48	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue

	A	B	C	D	E	F	G
49	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
50	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia as task mgr
51	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
52	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead
54	K-12	Sunset	Alla	to be developed	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website
55	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement

	A	B	C	D	E	F	G
56	SOCIAL MEDIA						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and General Topic.
57	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise accoun t: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitt er Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitt er Digest - HIV Community Infor mation Outreach

	A	B	C	D	E	F	G
58	NLM Outreach to Specific Populations Gov Delivery Accounts	OET/PSD	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) •○HIV Community Information Outreach
59	K-12 Science and Health Education	Sunset	Alla	to be developed		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter Outreach (50)

	A	B	C	D	E	F	G
60	Weekly @NLM_SIS Twitter Digest	Sunset	Colette	in the system		See message in plan	Delete in June. Remove from https://www.nih.gov/news-events/social-media-outreach

From: Chang, Florence (NIH/NLM) [E]
Sent: 3 Jun 2019 20:26:22 +0000
To: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: FW: Sunset offerings that have been approved by Jerry
Attachments: FORM REQUEST TO RETIRE NLM TOXMAP March2019FINAL.docx, FORM REQUEST to sunset CPDBrevFinal.docx, GeneEd_FORM REQUEST TO RETIRE NLM RESOURCE_v1.docx, ToxLearn_FORM REQUEST TO RETIRE NLM RESOURCE_rev.docx, toxmystery_FORM REQUEST TO RETIRE NLM RESOURCE_v2.docx, Request to Retire NLM Resource Chirr.docx

Hi, Nicole and Grace,

These are the sunset plans that were reviewed and approved by Jerry before the "sunsetting.nlm.nih.gov" was available. ToxLearn still needs a Letter of Agreement with Society of Toxicology.

Please keep these as OCPL's records. Thanks!

Florence

From: Chang, Florence (NIH/NLM) [E]
Sent: Monday, April 1, 2019 12:15 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Sunset offerings that have been approved by Jerry

Jody,

Here are all the sunset requests that we submitted on the paper form. GeneEd and ToxMystery are already taken down. ToxLearn is still in process as we are waiting for an Letter of Intent with Society of Toxicology to be completed. We will process CPDB, CHIRR, and TOXMAP in the next couple of weeks.

The next batch of sunset requests will be through the sunset portal interface. Thanks!

Florence

REQUEST TO RETIRE NLM TOXMAP

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) The US EPA now produces several GIS products and visualization applications (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality, except the ability to search TOXNET from within the GIS tools. This was a unique feature in TOXMAP-classic, which was retired due to the obsolete technology platform. The new version of TOXMAP does not have this feature either. To make the new TOXMAP to have this feature will require major investment in software development. We cannot justify the effort because the usage of this feature was very low, averaging about 400 searches a year.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) HFC 3/26/2019

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director JS 3/27/2019
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff. Identify who needs to be informed? (staff, contractors) SIS staff, NLM staff, NNLM staff and core set of dedicated users from the Public Health and Toxicology Communities.

1. Determine questions that may need to be addressed. These may include:
   What information needs to be provided? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now

provides several GIS products that provide similar GIS functionality of TOXMAP.

- When will the information be provided? **End of FY2019**
- By what method(s) will information be provided? Example: Email to all NLM staff Email, GovD posts, announcement on TOXMAP web site
- If multiple messages are to be sent, by what method(s) and with what frequency? Over a three-month period.
- Are there any potential areas for misunderstanding or concern? None except the non-technical users of TOXMAP may have a high learning curve to transition to the EPA GIS tools.

2. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? TOXMAP will be retired because the US EPA now provides several GIS products that provide similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) US EPA GIS applications and TRI applications; possibly NLM TOXNET TRI
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS.
    - What staff will be involved in this transition? Colette Hochstein
3. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):

    ☒ Emails

    ☒ Signage

    ☐ Information delivered at staff meetings

    ☐ Point of discussion at brown bag luncheons

    ☐ Town Hall meetings, etc.

    ☐ Other (Explain) Enter other mechanism(s)
4. Develop and attach a set of Talking Points for the NLM Director TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program. It will be retired at the end of FY2019. the US EPA now provides several GIS products that provide similar GIS functionality.
5. Does the NIH Director or other IC Directors need to be informed? Yes

    If Yes, check all that apply:

    ☒ The service is produced jointly with another IC or serves an audience of interest to the IC

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☒ Other (Please elaborate) NIEHS Director should be notified as NIEHS serves user communities that have interest in TOXMAP. SIS has also worked for many years with the US EPA regarding the data and functionality of TOXMAP. Their staff should be informed of its status.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other original sources. GIS application users can access them by overlaying the data in their GIS applications. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other sources. GIS application users can access them by overlaying the data to the maps. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS
    - How can I or how can my group be involved in this transition? Provide related information as needed.

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Colette Hochstein, Florence Chang

☐ Due date 9/30/2019

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
   - When will the information be provided? Starting Summer 2019)
   - With what frequency? Monthly
   - Are there potential areas for misunderstanding or concern? Probably not.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI. Links to direct users to these external data sources will be provided on the TOXMAP home page for 6 months prior to the sunset.
   - How will NLM respond to questions and comments? Staff will respond to questions received through customer service emails
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Name	Colette Hochstein, Florence Chang

REQUEST TO RETIRE CARCINOGENIC POTENCY DATABASE (CPDB)

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☒ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☒ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☐ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☒ Other (Please explain) The Carcinogenic Potency Database (CPDB) is an archival database with low and decreasing usage. It provides historical information from the years 1980 - 2011. It is no longer updated. It was created at the University of California, Berkeley, and when they no longer wanted to maintain access to it after it was no longer being built, they asked us to take it. CPDB reports analyses of animal cancer tests on 1547 chemicals. CPDB includes 6540 chronic, long-term animal cancer tests, both positive and negative for carcinogenicity, from the general published literature as well as the National Cancer Institute and the National Toxicology Program (NTP). Such tests were used in support of cancer risk assessments for humans. CPDB was developed by the Carcinogenic Potency Project at the University of California, Berkeley and the Lawrence Berkeley National Laboratory. The usage of CPDB has consistently dropped over the past years to 0.007% of TOXNET usage in FY2018. Of TOXNET's 27,582,034 page views in FY2018, only 1930 page views were for CPDB.

II. **Approval.** This form must be signed by:

- **NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD)** HFC 3/26/2019

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:

  NLM Director Initial Here Date

  NLM Deputy Director JS 3/27/2019

  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Staff are aware of the plan. Additional groups include NNCO, NNLM, and toxicology community via our listserv.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? That the CPDB was a resource taken from the University of Berkeley after they stopped supporting it and wanted an archival home for a few years. That the information will be available on NLM's ftp site for 6 months after sunsetting.
    - When will the information be provided? 5/31/2019
    - By what method(s) will information be provided? Example: Email to all NLM staff Post on database web pages, and send to OCPL for distribution.)
    - If multiple messages are to be sent, by what method(s) and with what frequency? One round
    - Are there any potential areas for misunderstanding or concern? none
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? The information is outdated and little used. It is not in a form that lends itself to conversion to Bookshelf)
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) The evaluated and annotated content, currently searchable on TOXNET, will no longer be available on TOXNET. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site. The citations of referenced literatures are available on PubMed.
    - What will happen to the staff working on the product or service? No staff resources used now
    - What staff will be involved in this transition? Florence Chang, Phil Thomas
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☒ Information delivered at staff meetings
    - ☐ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☒ Other (Explain) listserv
5. Develop and attach a set of Talking Points for the NLM Director The information is outdated and little used. It is not in a form that lends itself to

conversion to Bookshelf). The resource was a labor intensive one developed by Berkeley staff and transitioned to NLM when UC Berkley terminated the project. This resource is not in a format that can be converted to another NLM database or Bookshelf. The data will remain available on NLM's ftp site.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☐ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? The information is outdated and little used. Cannot be converted to new format for TOXNET move to NCBI.
   - What content, if any, will still be available and, if so, why and where? The data will remain available on NLM's ftp site. Journal literature on which it is based is still available via PubMed.
   - What will happen to the staff working on the product or service? No staff work on this other than routine IT deployment /support issues .

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? The resource is outdated and little used. It cannot be converted to a new format for other NLM databases or Bookshelf. The resource will be taken down from TOXNET end May 2019
   - What content, if any, will still be available and, if so, why and where? Journal literature on which it is based is still available in PubMed. The archived content will be made available in compressed format on NLM FTP server.
   - What will happen to the staff working on the product or service? No staff
   - How can I or how can my group be involved in this transition? Enter possible support option(s)

3. Identify what needs to be completed:

   ☐ Deliverables Specify

   ☒ Responsible party or parties for the sunsetting process TOXNET IT

   ☒ Due date 5/31/20195/31/2019

   Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☐ signage

☒ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
    - What information will be provided? Sunset of CPDB
    - When will the information be provided? Starting after approval
    - With what frequency? Enter frequency
    - Are there potential areas for misunderstanding or concern? no
    - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? Journal literature on which it is based is still available in PubMed. The archived content will be made available in compressed format on NLM FTP server.
    - How will NLM respond to questions and comments? Email via customer service system
    - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Jeanne Goshorn Jeanne.goshorn@nih.hhs.govJeanne.goshorn@nih.hhs.gov

REQUEST TO RETIRE GeneED

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☒ Other (Please explain) Some content will be emerged into Genetics Home Reference

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Florence Chang 10/26/2018

X

Hua Florence Chang
Acting Associate Director, SIS

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:

NLM Director Initial Here Date

NLM Deputy Director Initial Here Date

X

Jerry Sheehan
NLM Deputy Director

NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Staff that work on the project have been informed. SIS has already met with Genetics Home Reference and begun the process of determining what content to take. Additional groups include LHS staff, consumer health meet-up group, NNCO, NNLM, NSTA and NBT associations. Our contractor that works on programming and development of the platform have already been informed, but we will notify them again once this plan has been approved.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? That some GeneEd content will be merged into Genetics Home Reference. GeneED will shut down on March 31, 2019.
    - When will the information be provided? Enter date
    - By what method(s) will information be provided? Example: Email to all NLM staff It is already posted on the website that it will shut down on March 31, 2019. Email to NLM staff, OCPL for social media distribution, NNCO and NNLM, post to K-12 listserv, and SIS Twitter accounts
    - If multiple messages are to be sent, by what method(s) and with what frequency? One round of messaging is sufficient. It has been posted on the site since August 2018 that the site will be shutting down March 31, 2019.
    - Are there any potential areas for misunderstanding or concern? A benefit will be that consumers and educators will have one place to access consumer level genetics information.
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? SIS is consolidating its efforts for genetic information with GHR for efficiency. The focus of GeneEd – gene resources for teachers, will easily fold into Genetics Home Reference. GHR is widely used so it will give more visibility to the teacher resources.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) Content from GeneEd that is widely used will be transferred to Genetics Home Reference. A survey was added to the GeneEd home page in August asking which content users access the most and want to see transferred. Metrics from GeneEd are also being used to determine which content to move. It is important to note that GeneEd is a “link site” and there is no original content other than lesson plans developed by NLM. Some content was provided by the NHGRI may be moved to GHR – NHGRI also makes this same content available on their websites.
    - What will happen to the staff working on the product or service? Primary staff were contractors that have retired. The only work currently being done on this resource is link checking.

- What staff will be involved in this transition? Laura Bartlett from SIS and Kate Greenberg and Heather Collins from Genetics Home Reference.

4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):

   ☒ Emails

   ☐ Signage

   ☒ Information delivered at staff meetings

   ☒ Point of discussion at brown bag luncheons

   ☐ Town Hall meetings, etc.

   ☒ Other (Explain) A notice on the site indicates GeneEd will be shutting down March 31, 2019. This decision was made before NLM had resource retirement guidelines in place.

5. Develop and attach a set of Talking Points for the NLM Director GeneEd, an educator's resource for genetics education materials for grades 9 to 12, will be retired as of March 31, 2019. Some content will be merged with Genetics Home Reference to create a single access point for the Library's genetics information for the public. We have found that many students and educators are already using Genetics Home Reference, so this merger increases efficiency to reach these audiences. GeneEd is conducting a survey, available on the site, to determine which content is most important to regular users. We are also analyzing usage metrics to determine which areas of GeneEd have the highest traffic. These data will help us decide which materials from GeneEd are most appropriate to transfer to Genetics Home Reference.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☒ Other (Please elaborate) When GeneEd was first created, SIS worked with NHGRI for advice and obtain content produced by NHGRI. We will need to inform them of our decision and "pass off" the relationship to Genetics Home Reference.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? GeneEd is merging with Genetics Home Reference to create one access point for genetics information for the public.
   - What content, if any, will still be available and, if so, why and where? GeneEd is conducting a survey, available on the site, to determine

which areas are most important to current users. We are also looking at the usage metrics to determine which are the most popular areas.

- What will happen to the staff working on the product or service? They were contractors and they have already departed NLM.

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? GeneEd website will be sunset March 31, 2019.
   - What content, if any, will still be available and, if so, why and where? We are shutting down GeneEd March 31, 2019, and relevant content will be moved to Genetics Home Reference.
   - What will happen to the staff working on the product or service?
   - How can I or how can my group be involved in this transition? Take the survey on the site.

3. Identify what needs to be completed:

   ☐ Deliverables Specify

   ☒ Responsible party or parties for the sunsetting process Laura Bartlett and Janice Kelly

   ☒ Due date 3/31/2019

   Identification of communication channels. These could include (Check all that apply):

   ☒ emails to stakeholders and users

   ☐ signage

   ☒ NLM homepage (public news announcement)

   ☐ speeches

   ☒ social media including Facebook, Twitter, LinkedIn, etc.

   ☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

   ☒ Other (Please Explain) We typically exhibit at the annual National Science Teachers Association meeting in spring – and occasionally at the National Biology Teachers Association. We will announce it at our booth and potentially send an announcement for their newsletters and listservs.

   Determine questions that may need to be addressed, including:
   - What information will be provided? The sunsetting of GeneEd and the information additions to GHR.
   - When will the information be provided? Jan 2019
   - With what frequency? Enter frequency
   - Are there potential areas for misunderstanding or concern? Likely not – NLM considers k-12 an audience and we have many resources. Letting people know content will be going to Genetics Home Reference will likely curb anxiety, if any exists.

- After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? Genetics Home Reference
- How will NLM respond to questions and comments? Staff will directly respond to questions received through customer service emails.
- Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No – the resource had a limited audience of teachers and students. They will gain access to more information by using Genetics Home Reference.

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Laura Bartlett bartlettl@mail.nih.gov

REQUEST TO RETIRE AN NLM RESOURCE

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. In contrast, ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. Also, ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) HFC 11/27/2018

X _____

Hua Florence Chang
Acting Associate Director, SIS

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  - NLM Director Initial Here Date
  - NLM Deputy Director Initial Here Date
  - NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Only SIS staff have been informed. We will need to inform all NLM staff, and the RMLs.
2. Determine questions that may need to be addressed. These may include:
    - What information needs to be provided? ToxLearn has been supplanted by ToxTutor. ToxLearn is retiring due to its format in Adobe Flash and because several of its modules were never completed. In contrast, ToxTutor has been updated and enhanced and is NLM's online toxicology tutorial of choice.
    - When will the information be provided? 12/1/2018
    - By what method(s) will information be provided? Example: Email to all NLM staff Digital signage within NLM. Emails to key contacts at outside organizations, e.g., Society of Toxicology. Also to be announced during NLM exhibits.
    - If multiple messages are to be sent, by what method(s) and with what frequency? One time communications are planned.
    - Are there any potential areas for misunderstanding or concern? No, because ToxTutor is a far more current and comprehensive tutorial, and does not use Adobe Flash. It is compatible with the devices users are expected to use.
3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? ToxLearn has been supplanted by ToxTutor. ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. It is compatible with the devices users are expected to use to access it.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) SOT will host the archived version of ToxLearn, provided by NLM. NLM do not plan to keep any of the content up, or available. Its unique format in Adobe Flash does not lend well to keeping the content up.
    - What will happen to the staff working on the product or service? The NLM project lead for ToxLearn retired at the end of 2017 and there has been no further work on it.
    - What staff will be involved in this transition? Pertti (Bert) Hakkinen.
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☒ Information delivered at staff meetings
    - ☒ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☐ Other (Explain) Enter other mechanism(s)
5. Develop and attach a set of Talking Points for the NLM Director Click or tap here to enter text.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☐ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. In contrast, ToxTutor has been updated and enhanced and it is a far more current and comprehensive tutorial. ToxTutor now serves as the online tutorial of choice. ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use. An archived version of the ToxLearn will be hosted on SOT Web site.
   - What content, if any, will still be available and, if so, why and where? None
   - What will happen to the staff working on the product or service? The NLM project lead for ToxLearn retired at the end of 2017 and there has been no further work on it.

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use.
   - What content, if any, will still be available and, if so, why and where? SOT indicated that they will host an archived version of ToxLearn on the SOT Website.
   - What will happen to the staff working on the product or service? They have already retired
   - How can I or how can my group be involved in this transition? None

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Pertti (Bert) Hakkinen

☒ Due date 12/31/2018

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☒ signage

☐ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☒ Other (Please Explain) Ask the Society of Toxicology to note this in its online "news" messaging to members.

4. Determine questions that may need to be addressed, including:
   - What information will be provided? .
   - When will the information be provided? December 1, 2018
   - With what frequency? once
   - Are there potential areas for misunderstanding or concern? No once the following is explained: ToxLearn has been supplanted by ToxTutor. ToxLearn was a partially completed online tutorial providing an introduction to the principles of toxicology. In addition to being unfinished (several modules were never completed), it was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. ToxTutor has been updated and enhanced and now serves as the online tutorial of choice. ToxTutor does not use Adobe Flash and it is compatible with the devices users are expected to use.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? The archived version of ToxLearn will be available on the SOT Website.
   - How will NLM respond to questions and comments? Will answer emails sent to customer service
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No. Our explanation should be enough.

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Pertti (Bert) J. Hakkinen, Ph.D..	P: 301-827-4222. Pertti.hakkinen@nih.gov

REQUEST TO RETIRE Toxmystery

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☒ Obsolescence (that is, better products have come along) – whether from NLM or another group

☐ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) Toxmystery is a game website that was designed in Adobe Flash. Adobe Flash is no longer being updated, or available on most internet browsers. The cost to update the game to another format is prohibitive.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD Florence Chang) 10/26/2018

  Invalid signature

  X Hua Florence Chang

  Hua Florence Chang
  Acting Associate Director, SIS
  Signed by: Hua F. Chang -S
- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:

  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) Only SIS staff have been informed. We will need to inform all NLM staff, OCPL, RMLs, and teachers.
2. Determine questions that may need to be addressed. These may include:

- What information needs to be provided? Toxmystery is retiring because it is in Adobe Flash and cannot be used effectively on Web browsers including tablets, desktops, and other educational devices.
- When will the information be provided? 11/1/2018
- By what method(s) will information be provided? Example: Email to all NLM staff Digital signage. It was announced at the NLM consumer health meet-up over the summer. Another announcement will be made at that group when we have shutdown approval.
- If multiple messages are to be sent, by what method(s) and with what frequency? A notice on the website for two months and one notice to all user groups
- Are there any potential areas for misunderstanding or concern? Because Toxmystery contains information on chemicals, the shutdown may potentially inhibit this very basic information about chemicals for those with low reading levels. More up to date materials can be found on the CDC, NIEHS and EPA websites. The uniqueness of the resource was the game-like interface with certificate for completion of the game.

3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? Toxmystery is a game website designed in Adobe Flash that is not used on tablets, desktops, or other educational devices.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) We do not plan to keep any of the content up, or available. Its unique format in Adobe Flash does not lend well to keeping the content up. Transferring it to another format is expensive.
    - What will happen to the staff working on the product or service? This resource has been in "maintenance mode" by IT staff at SIS. Those IT staff have other work assigned.
    - What staff will be involved in this transition? Laura Bartlett and Janice Kelly
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
    - ☒ Emails
    - ☒ Signage
    - ☒ Information delivered at staff meetings
    - ☒ Point of discussion at brown bag luncheons
    - ☐ Town Hall meetings, etc.
    - ☒ Other (Explain) Enter other mechanism(s)
5. Develop and attach a set of Talking Points for the NLM Director ToxMystery, a game about chemicals in the household, will be retired on December 31,

2018. The game was built in the Adobe Flash, a format not supported tablets, most Web browsers, and other educational devices. Although the game has provided years of fun and entertainment, we have decided to retire the resource. NIEHS and EPA have built several learning activities for youth that can teach them about chemicals and environmental health.

6. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

   ☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

   ☒ Other (Please elaborate) Enter other reason(s) Director(s) need to be informed

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
   - Why is this program or service being retired? ToxMystery, a game about chemicals in the household, will be retired on December 31, 2018. The game was built in Adobe Flash. Although the game has provided years of fun and entertainment, we have decided to retire the resource. NIEHS and EPA have built several learning activities for youth that can teach them about chemicals and environmental health.
   - What content, if any, will still be available and, if so, why and where? None
   - What will happen to the staff working on the product or service? This resource has been in "maintenance mode" for years by SIS IT staff. They are now assigned to new projects.

2. Establish what may need to be communicated. This could include—
   - Why is this program or service being retired? ToxMystery, a game about chemicals in the household, will be retired on December 31, 2018. The game was built in Adobe Flash, a format not supported by tablets, most Web browsers, or educational devices. Although the game has provided years of fun and entertainment, we have decided to retire the resource. NIEHS and EPA have built several learning activities for youth that can teach them about chemicals and environmental health.
   - What content, if any, will still be available and, if so, why and where? None.
   - What will happen to the staff working on the product or service? IT support staff work on other assignments.
   - How can I or how can my group be involved in this transition? None

3. Identify what needs to be completed:

☐ Deliverables Specify

☒ Responsible party or parties for the sunsetting process Laura Bartlett and Janice Kelly

☒ Due date 12/31/2018

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☒ signage

☒ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? ToxMystery, a game about chemicals in the household, will be retired on December 31, 2018. The game was built in Adobe Flash, not supported on tablets, most Web browsers, and other educational devices. Although the game has provided years of fun and entertainment, we have decided to retire the resource. NIEHS and EPA have built several learning activities for youth that can teach them about chemicals and environmental health.
   - When will the information be provided? November 1, 2018
   - With what frequency? once
   - Are there potential areas for misunderstanding or concern? Because Toxmystery contains basic, general information on chemicals, the shutdown may potentially inhibit information about chemicals for those with low reading level. This information can be found at CDC, NIEHS, and EPA websites. The uniqueness of the resource is its game-like interface with certificate of completion. Its Adobe Flash format is now outdated for educational devices and users of Chrome and Firefox Web browsers.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? Other government websites
   - How will NLM respond to questions and comments? Will answer emails sent to customer service
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No. Our explanation is legit.

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Laura Bartlett bartlettl@mail.nlm.nih.gov

REQUEST TO RETIRE AN NLM RESOURCE

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.d

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☐ Cost in relation to value

☐ Other (Please explain) Other Justification(s)

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Initial Here Date

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff

1. Identify who needs to be informed? (staff, contractors) The CHIRr website assists external customers, namely health communication and consumer health informatics researchers -- not NLM employees. Similar content is being developed through NIH and NLM Common Data Element initiatives should NLM staff need a resource.
2. Determine questions that may need to be addressed. These may include:
   - What information needs to be provided? Not applicable
   - When will the information be provided? 1/28/2019
   - By what method(s) will information be provided? Example: Email to all NLM staff Staff will be informed through the Technical Bulletin notice and NLM social media posts. If requested, a separate email can b sent to customer service staff .

- If multiple messages are to be sent, by what method(s) and with what frequency? Technical Bulletin, NLM/OCPL social media outlets, notice on website and email to customer service staff
- Are there any potential areas for misunderstanding or concern? Not applicable

3. Establish what may need to be communicated to internal audiences. This could include:
    - Why is this program or service being retired? CHIRr provides a resource of outcome variables and suggested measures to guide a comprehensive consumer health informatics assessment. In 2018, there were 36,600 unique visitors, 46,609 visits, and 693,000 pages. NLM's priorities regarding consumer health informatics is to focus on health literacy research, not consumer health informatics. Therefore, it no longer aligns with NLM priorities. Similar content to CHIRR is being developed through NIH and NLM Common Data Elements initiatives.
    - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) NLM may wish to archive this resource
    - What will happen to the staff working on the product or service? The few, impacted NLM staff have transferred to other NLM divisions to to work on other NLM priorities.
    - What staff will be involved in this transition? Staff responsible for the sunsetting and possible archiving if required
4. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):

    ☐ Emails
    ☒ Signage
    ☐ Information delivered at staff meetings
    ☐ Point of discussion at brown bag luncheons
    ☐ Town Hall meetings, etc.
    ☒ Other (Explain) The website was not used internally, so internal outreach regarding its cancellation is not needed. Staff will be informed through social media posts and the Technical Bulletin.
5. Develop and attach a set of Talking Points for the NLM Director The Consumer Health Informatics Research Resource (CHIRr) provides a resource of outcome variables and suggested measures to guide a comprehensive consumer health informatics assessment. It explains 19 health communication research conceptual frameworks. It does not affect the work of NLM staff. NLM's emphasis has shifted in recent years from consumer health informatics and health communication research professionals to health literacy researchers. In addition, similar content is being developed through NIH and NLM Common Data Elements initiatives.
6. Does the NIH Director or other IC Directors need to be informed? No

    If Yes, check all that apply:

☐ The service is produced jointly with another IC or serves an audience of interest to the IC

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☐ Other (Please elaborate) ?

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? CHIRr is a resource of outcome variables and suggested measures to guide a comprehensive consumer health informatics assessment. It explains 19 health communication research conceptual frameworks. In 2018, there were 36,600 unique visitors, 46,609 visits, and 693,000 pages. NLM's priorities regarding consumer health informatics is to focus on health literacy research, not consumer health informatics. Therefore, it no longer aligns with NLM priorities. Similar content to CHIRr is being developed through NIH and NLM Common Data Elements initiatives. Click or tap here to enter text.
    - What content, if any, will still be available and, if so, why and where? NLM may want to archive this resource
    - What will happen to the staff working on the product or service? The NLM staff working on CHIRr have been reassigned to other NLM divisions and NLM priorities.

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? Although the website explains 19 health communication research conceptual frameworks and had moderate use, NLM's emphasis has shifted in recent years from consumer health informatics and health communication research professionals to health literacy researchers. Similar content to CHIRr is being developed through NIH and NLM Common Data Elements initiatives.
    - What content, if any, will still be available and, if so, why and where? NLM leadership should determine if it should be archived
    - What will happen to the staff working on the product or service? The staff have transferred to other NLM divisions to work on other NLM priorities. The co-authors will be informed of the sunset plan. Transfer of the site them will be discussed.
    - How can I or how can my group be involved in this transition? NLM leadership should decide if the site should be sunset. OCPL will need to send social media posts about its sunset. The co-authors will need to decide if they want the site transferred to them.

3. Identify what needs to be completed:

☒ Deliverables Dependent on whether the site is transferred to the co-authors, sunsetted or archived

☒ Responsible party or parties for the sunsetting process SIS, OCPL, co-authors of webpage

☒ Due date 5/31/2019

Identification of communication channels. These could include (Check all that apply):

☒ emails to stakeholders and users

☒ signage

☒ NLM homepage (public news announcement)

☐ speeches

☒ social media including Facebook, Twitter, LinkedIn, etc.

☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.

☐ Other (Please Explain) ?

4. Determine questions that may need to be addressed, including:
   - What information will be provided? The date of sunsetting will be listed on the webpage, in a Tech Bulletin article and on NLM social media outlets.
   - When will the information be provided? Starting in Jan, 2019
   - With what frequency? The website notice will be live at the end of Jan., an email and Technical Bulletin article will be done two months prior to sunsetting. Social media posts will be sent again in May, the month it will be sunset.
   - Are there potential areas for misunderstanding or concern? Highly unlikely
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? To be determined. Will offer to transfer the webpage to the co-authors or will find NIH resources for communications planned
   - How will NLM respond to questions and comments? It is suggested OCPL explain the Consumer Health Informatics Research Resource website was cancelled due to change in NLM consumer informatics priorities. Customer Service should receive a pre-formulated response to give.
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) Highly unlikely

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Alla Keselman Keselmana@mail.nlm.nih.gov

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 4 Jun 2019 16:42:09 -0400
To: Kelly, Janice (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: ATTENTION: NLM SUNSETTING REQUEST CREATED

ATTENTION: The following Sunsetting Request was **CREATED** by Janice Kelly.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	SIS Division Sunset
Description	Resources and programs of the Specialized Information Services will be sunset or integrated into Library Operations, OCCS and Lister Hill.
Document(s) Supporting Justification	SIS Internal Communications Plan.docx SISsunset.docx SIS-System-message.docx
Justification	Other: The SIS division is being sunset
Retirement Date	06/21/2019
Organization	DSIS
Key Staff Involved	Hua Chang

Internal Communication Plan	
Staff to be Informed	Jody Nurik
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with other NLM products. Please stay tuned to the communications

	from NLM about the status of the SIS products and services. The following staff and offices will be contacted as part of the process of sunsetting SIS: • NLM Leadership • NLM ALL broadcast message from the Director • NLM Customer Service • National Network Coordinating Office / National Network of Libraries of Medicine • Director and Deputy Director of NIH
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Other: NLM ALL broadcast message from the Director
Retained Content	NLM Website Other: Referrals on the website notice will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
Additional Information	RWS/WIM will report on SIS content on NLM main and send findings to LO or OCPL.

External Communication Plan	
External Stakeholders to be Informed	General public, SIS users
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with

	other NLM products. Please stay tuned to the communications from NLM about the status of the SIS products and services.
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Technical Bulletin Newsletter Social Media
Communication Frequency	One time message
Retained Content	NLM Website Other: Referrals will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
Page Redirected	Yes
Redirect URL	www.nlm.nih.gov
Additional Information	---

Request Information	
Request ID	221
Request Status	Submitted
Created By	Janice Kelly
Date Created	06/04/2019 04:18 p.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 4 Jun 2019 17:09:26 -0400
To: Nurik, Jody (NIH/NLM) [E]
Subject: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	SIS Division Sunset
Description	Resources and programs of the Specialized Information Services will be sunset or integrated into Library Operations, OCCS and Lister Hill.
Document(s) Supporting Justification	SIS Internal Communications Plan.docx SISsunset.docx SIS-System-message.docx
Justification	Other: The SIS division is being sunset
Retirement Date	06/21/2019
Organization	DSIS
Key Staff Involved	Hua Chang

Internal Communication Plan	
Staff to be Informed	Jody Nurik
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with other NLM products. Please stay tuned to the communications

	from NLM about the status of the SIS products and services. The following staff and offices will be contacted as part of the process of sunsetting SIS: • NLM Leadership • NLM ALL broadcast message from the Director • NLM Customer Service • National Network Coordinating Office / National Network of Libraries of Medicine • Director and Deputy Director of NIH
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Other: NLM ALL broadcast message from the Director
Retained Content	NLM Website Other: Referrals on the website notice will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
Additional Information	RWS/WIM will report on SIS content on NLM main and send findings to LO or OCPL.

External Communication Plan	
External Stakeholders to be Informed	General public, SIS users
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with

	other NLM products. Please stay tuned to the communications from NLM about the status of the SIS products and services.
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Technical Bulletin Newsletter Social Media
Communication Frequency	One time message
Retained Content	NLM Website Other: Referrals will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
Page Redirected	Yes
Redirect URL	www.nlm.nih.gov
Additional Information	---

Request Information	
Request ID	221
Task ID	242
Request Status	Associate Director Approved
Created By	Janice Kelly
Date Created	06/04/2019 04:18 p.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/OD) [E]
Sent: 6 Jun 2019 12:05:35 -0400
To: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: SIS Sunset map.xlsx

I know I am a bit groggy but am I missing the communication distribution channels on this? What has a social media account? GovDelivery account? Where things are going to point to?

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>
Date: Wednesday, June 5, 2019 at 2:13 PM
To: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, Diane Tuncer <diane.tuncer@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Cc: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>, "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
There were a few additions (DIMRC webpage, Disaster Info Specialist Program and Division of SIS) and one sunset correction (ITER). See attached.

Janice

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week

for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)

- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen,

Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

	A	B	C	D	E	F	G
1	**Offering**	**Going to or Sunset**	**Person**	**Communication Plan**	**Alt Resources**	**External Messages**	**Notes**
2	TOXNET	Sunset	Florence	in development	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Part of the TOXNET integration with NCBI platforms
3	Hazardous Substance Databank	BSD	Bert		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI platforms in 2020
4	ChemIDplus	BSD	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020
5	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site.

	A	B	C	D	E	F	G
6	IRIS (Integrated Risk Information System	Sunset	Jeanne	Will be included in TOXNET sunset plan	Iris at EPA link	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link to IRIS page at EPA	Retire in fall 2019; remove from NLM products &service list
7	ITER (International Toxicity Estimates for Risk)	Sunset	Bert	Will be included in TOXNET sunset plan		TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the sunset notice.	Sunset in fall 2019. Remove from NLM Products & Services list. May survive sunset if contractor issue is resolved
8	Gene-TOX	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in PubChem" on the page.	Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?
9	CPDB (Carcinogenic Potency Database)	Sunset	Jeanne	approved pre-portal		TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP.	Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and Services list
10	CRISS (Chemical Carcinogenic Potency Database	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from transition page.

	A	B	C	D	E	F	G
11	LactMed	BSD	Jeanne		Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include a link to Lactmed in Bookshelf	Content managed at BSD, public facing in Bookshelf, app will be maintained
12	Alt Bib (Alternatives to Animal Testing)	BSD	Bert		PubMed		Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page
13	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
14	Dietary Supplement Label database and Ingredient database	ODS	Jeanne		new url at ODS when moved	Provide message on page with new link when it is available and move date established	Moving to ODS May, 2020. Then remove from the NLM Products & Services
15	Household Products	BSD	Bert				
16	DERMAL	Sunset	Bert	in development	CHEMM	See message in sunset plan; include link to CHEMM	Content is merged into CHEMM
17	LiverTox	NCBI				TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and will link to LiverTox in Bookshelf	Moving to Bookshelf, change url in prod & services

	A	B	C	D	E	F	G
18	CTD (Comparative Toxicogenomics Database)	Sunset	Bert	in development		TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include notice of sunset	Will retire in fall with other TOXNET offerings with the TOXNET integration into NCBI platforms, remove from NLM Products and Services list
19	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
20	DART (Developmental and Reproductive Toxicology Database)	Sunset	Jeanne	in development	DART [subset] in PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page	Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms
21	HazMap	Sunset	Bert	in development		See message in plan	License ends in July, 2019 and will not be renewed. Message in Tech Bulletin, remove from Products & Services
22	TRI	Sunset	Colette	in system	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services
23	FDA Substance Registry System	BSD	Jeanne				Part of ChemIDplus
24	CHEMSpell API	Sunset	Florence	in system		The ChemSpell API service will retire in the Fall of 2019. The algorithm used for chemical spellchecking and the software is outdated and cannot be sustained.	Remove from NLM Products & Services, no alternative references available

	A	B	C	D	E	F	G
25	Data Discovery	BSD	David H				
26	Disaster Lit	PSD	Stacey				
27	NIH DR2	Sunset	Stacey	to be developed		See plan for message	Will sunset and perhaps move to NIEHS
28	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
29	REMM (Radiation Emergency Medical Management)	PSD	Stacey				App will be maintained
30	CHEMM (Chemical Hazards Emergency Medical Management)	PSD	Jen				
31	All Hazard Plan	Sunset	Jen	in system		The NLM version of All Hazard Plan will sunset inn September 2019 ASPR will host the site in FY2019 – FY2020 time frame (link to URL).	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in maintenance mode.
32	Pillbox	BSD	David H				
33	Drug info portal	BSD	Jeanne				

	A	B	C	D	E	F	G
34	American Indian Health	Sunset	Laura	in system	Medlineplus	The American Indian and Alaska Native portal (https://americanindianhealth.nlm.nih.gov) will be retired on June 30, 2019. Please use the Medlineplus "Native American Health" page for information about American Indian and Alaska Native health at https://medlineplus.gov/nativeamericanhealth.html. If you have any questions, please contact NLM customer support at https://support.nlm.nih.gov/.	Notice on website, notice in Technical bulletin, outreach social media feeds, remove link in NLM Prod & Services
35	HealthReach	PSD	Laura		Medlineplus		Under study at LO to determine if integrating into Medlineplus
36	Arctic Health	Sunset	Laura	in system	Univ of AK - https://arctichealth.org/	The Arctic Health portal moved to a new home on September 28, 2018. The University of Alaska Anchorage will continue to host and maintain the publications database at https://arctichealth.org/. Content from NLM hosted Arctic Health has been moved into the database and the search engine has been enhanced. Please bookmark the new URL for Arctic Health at https://arctichealth.org/.	Notice on site, Tech Bulletin, social media, remove from Prod&Services, contact UofA personnel (this is done)

	A	B	C	D	E	F	G
37	Environmental Health Student Portal	Sunset	Alla	to be developed	ToxTown	See message in plan	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products & services
38	ToxTown	PSD	Alla				
39	CHIRR	Sunset	Janice	approved pre-portal	PubMed, CDE	Notice on website (done), Contacted 2 authors (done)	Sent file to 1 author at his request
40	GeneEd	Sunset	Alla	approved pre-portal	GHR	Notice on GeneEd, Technical Bulletin - both done	Sunsetted at end of Feb, selected content available in GHR
41	ToxMystery	Sunset	Florence	approved pre-portal			done
42	SIS Main website	Sunset	Florence	in development	NLM main	Post on the SIS homepage before June 23, 2019 - This site will retire on (TBD). Please use NLM.nih.gov to find NLM products and services or contact NLM customer services for assistantce (provide link)	RWS/WIM will look for SIS content and links on the NLM main and send report to LO
43	AIDSource	OCPL	Nicole				Under study at LO to determine if integrating into Medlineplus
44	AIDSinfo	OCPL	Nicole				
45	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG to review
46	DIMRC website	PSD	Stacey				In team site and will move with staff and DIMRC resources
47	**PROGRAMS**						

	A	B	C	D	E	F	G
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia as task mgr
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead
55	K-12 Program	Sunset	Alla	to be developed	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website

	A	B	C	D	E	F	G
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement
57	Disaster Information Specialist Program	PSD	Stacey				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	**SOCIAL MEDIA**						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and General Topic.
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest - HIV Community Information Outreach

	A	B	C	D	E	F	G
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET/PSD	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) •○HIV Community Information Outreach
61	K-12 Science and Health Education	Sunset	Alla	to be developed		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter Outreach (50)

	A	B	C	D	E	F	G
62	Weekly @NLM_SIS Twitter Digest	Sunset	Colette	in the system		See message in plan	Delete in June. Remove from https://www.nih.gov/news-events/social-media-outreach
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information -STEM Newsletter

	A	B	C	D	E	F	G
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and News
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolence	Alla				
67	Animations in YouTube	TBD	Alla				

	A	B	C	D	E	F	G
68	Division of Specialized Information Services	Sunset	Florence	in system	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM main
69							
70							

From: Nurik, Jody (NIH/OD) [E]
Sent: 6 Jun 2019 14:57:16 -0400
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: Sunsetting spreadsheet for our 1:1 meeting
Attachments: Copy of SIS Sunset map.xlsx

Talk to you soon…

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308
Office phone: 301-827-7615

	A	B	C	D	E	F	G
1	**Offering**	**Going to or Sunset**	**Person**	**Communication Plan**	**Alt Resources**	**External Messages**	**Notes**
2	TOXNET	Sunset	Florence	in development	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on	Part of the TOXNET integration with NCBI platforms
3	Hazardous Substance Databank	BSD	Bert		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI
4	ChemIDplus	BSD	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem"	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020
5	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site

	A	B	C	D	E	F	G
6	IRIS (Integrated Risk Information System	Sunset	Jeanne	Will be included in TOXNET sunset plan	Iris at EPA link	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link	Retire in fall 2019; remove from NLM products &service list
7	ITER (International Toxicity Estimates for Risk)	Sunset	Bert	Will be included in TOXNET sunset plan		TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the sunset notice.	Sunset in fall 2019. Remove from NLM Products & Services list. May survive sunset if contractor issue is resolved
8	Gene-TOX	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in	Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?
9	CPDB (Carcinogenic Potency Database)	Sunset	Jeanne	approved pre-portal		TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP.	Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and
10	CRISS (Chemical Carcinogenic Potency Database	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition	Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from

	A	B	C	D	E	F	G
11	LactMed	BSD	Jeanne		Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include a link to Lactmed in Bookshelf	Content managed at BSD, public facing in Bookshelf, app will be maintained
12	Alt Bib (Alternatives to Animal Testing)	BSD	Bert		PubMed		Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page
13	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology
14	Dietary Supplement Label database and Ingredient database	ODS	Jeanne		new url at ODS when moved	Provide message on page with new link when it is available and move date established	Moving to ODS May, 2020. Then remove from the NLM Products
15	Household Products	BSD	Bert				
16	DERMAL	Sunset	Bert	in development	CHEMM	See message in sunset plan; include link to CHEMM	Content is merged into CHEMM
17	LiverTox	NCBI				TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and will	Moving to Bookshelf, change url in prod & services

	A	B	C	D	E	F	G
18	CTD (Comparative Toxicogenomics Database)	Sunset	Bert	in development		TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include notice of sunset	Will retire in fall with other TOXNET offerings with the TOXNET integration into NCBI platforms, remove from NLM Products and Services
19	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
20	DART (Developmental and Reproductive Toxicology Database)	Sunset	Jeanne	in development	DART [subset] in PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page	Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms
21	HazMap	Sunset	Bert	in development		See message in plan	License ends in July, 2019 and will not be renewed. Message in Tech Bulletin, remove from Products &
22	TRI	Sunset	Colette	in system	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services
23	FDA Substance Registry System	BSD	Jeanne				Part of ChemIDplus
24	CHEMSpell API	Sunset	Florence	in system		The ChemSpell API service will retire in the Fall of 2019. The algorithm used for chemical spellchecking and the software is	Remove from NLM Products & Services, no alternative references available
25	Data Discovery	BSD	David H				

	A	B	C	D	E	F	G
26	Disaster Lit	PSD	Stacey				
27	NIH DR2	Sunset	Stacey	to be developed		See plan for message	Will sunset and perhaps move to NIEHS
28	WISER (Wireless Information System for Emergency	PSD	Jen				App will be maintained
29	REMM (Radiation Emergency Medical Management)	PSD	Stacey				App will be maintained
30	CHEMM (Chemical Hazards Emergency Medical	PSD	Jen				
31	All Hazard Plan	Sunset	Jen	in system		The NLM version of All Hazard Plan will sunset inn September 2019 ASPR will host the site in FY2019 – FY2020 time frame (link to URL).	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in
32	Pillbox	BSD	David H				
33	Drug info portal	BSD	Jeanne				

	A	B	C	D	E	F	G
34	American Indian Health	Sunset	Laura	in system	Medlineplus	The American Indian and Alaska Native portal (https://americanindianhealth.nlm.nih.gov) will be retired on June 30, 2019. Please use the Medlineplus "Native American Health" page for information about American Indian and Alaska Native health at https://medlineplus.gov/nativeamericanhealth.html. If you have any questions, please contact NLM customer support at	Notice on website, notice in Technical bulletin, outreach social media feeds, remove link in NLM Prod & Services
35	HealthReach	PSD	Laura		Medlineplus		Under study at LO to determine if integrating into
36	Arctic Health	Sunset	Laura	in system	Univ of AK - https://arctichealth.org/	The Arctic Health portal moved to a new home on September 28, 2018. The University of Alaska Anchorage will continue to host and maintain the publications database at https://arctichealth.org/. Content from NLM hosted Arctic Health has been moved into the database and the search engine has been enhanced. Please bookmark the new URL for Arctic Health at https://arctichealth.org/	Notice on site, Tech Bulletin, social media, remove from Prod&Services, contact UofA personnel (this is done)

	A	B	C	D	E	F	G
37	Environmental Health Student Portal	Sunset	Alla	to be developed	ToxTown	See message in plan	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products &
38	ToxTown	PSD	Alla				
39	CHIRR	Sunset	Janice	approved pre-portal	PubMed, CDE	Notice on website (done), Contacted 2 authors (done)	Sent file to 1 author at his request
40	GeneEd	Sunset	Alla	approved pre-portal	GHR	Notice on GeneEd, Technical Bulletin - both done	Sunsetted at end of Feb, selected content available in GHR
41	ToxMystery	Sunset	Florence	approved pre-portal			done
42	SIS Main website	Sunset	Florence	in development	NLM main	Post on the SIS homepage before June 23, 2019 - This site will retire on (TBD). Please use NLM.nih.gov to find NLM products and services or contact NLM customer services for assistantce (provide link)	RWS/WIM will look for SIS content and links on the NLM main and send report to LO
43	AIDSource	OCPL	Nicole				Under study at LO to determine if integrating into
44	AIDSinfo	OCPL	Nicole				
45	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG to review
46	DIMRC website	PSD	Stacey				In team site and will move with staff and DIMRC resources
47	**PROGRAMS**						

	A	B	C	D	E	F	G
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products &
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead
55	K-12 Program	Sunset	Alla	to be developed	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement

	A	B	C	D	E	F	G
57	Disaster Information Specialist Program	PSD	Stacey				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	**SOCIAL MEDIA**						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest - HIV Community Information Outreach

	A	B	C	D	E	F	G
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET/PSD	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) •○HIV Community Information Outreach
61	K-12 Science and Health Education	Sunset	Alla	to be developed		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter Outreach (50)

	A	B	C	D	E	F	G
62	Weekly @NLM_SIS Twitter Digest	Sunset	Colette	in the system		See message in plan	Delete in June. Remove from https://www.nih.gov/news-events/social-media-outreach
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and

	A	B	C	D	E	F	G
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolenc	Alla				
67	Animations in YouTube	TBD	Alla				
68	Division of Specialized Information Services	Sunset	Florence	in system	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM
69							
70							

From: Middleton, Grace (NIH/NLM) [C]
Sent: 7 Jun 2019 12:50:10 +0000
To: Scott, Nicole (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Florence is to send it electronically. Janice wouldn't give us her hard copy.

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, June 6, 2019 7:04 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks Jody.

Re: the draft transition page, I don't recall Florence sharing. But, she handed Grace a handful of documents. Grace – please confirm.

And, yes we can meet. I will look on your calendar and schedule a time to meet.

Nicole

From: Nurik, Jody (NIH/NLM) [E]
Sent: Thursday, June 6, 2019 4:17 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: Re: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Below is some cursory messaging about the discontinuation of the SIS program that Jerry and I chatted about.

- The SIS program has integrated into other parts of NLM. This integration improves efficiency and discoverability of the SIS resources. We want to make the information more accessible to a larger audience.
- Over the next few months some systems and resources will be transitioning and some underutilized resources will be discontinued. We will provide advance notice and want you to know that for those resources that are being discontinued that the basic information will not be lost – some are being moved and some are being parked. Information will be available on our FTP server and in some instances, through partner website.

The messages should be honest and upbeat and he thought Patti might want to do an update blog, we might want to do a news announcement, etc. Sounds like he is looking for us to craft the plan/messages around this SIS discontinuation.

Jerry would like to see the draft transition webpage – did Florence provide a copy?

Nicole – do you want to meet early next week and do some message brainstorming?

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Thursday, June 6, 2019 at 3:53 PM
To: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Subject: Re: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Agree. Just updated Jerry. He provided some more clarity around the SIS program communications. I wrote them down and will send them to you. He also wants to meet next week for an update so I am going to ask Chianti to schedule something for Jerry, Nicole, Florence, Janice, and me.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Date: Thursday, June 6, 2019 at 3:16 PM
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

I hope we covered this in the meeting, but we will have to stay on top of this.

From: Nurik, Jody (NIH/NLM) [E]
Sent: Thursday, June 6, 2019 12:06 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

I know I am a bit groggy but am I missing the communication distribution channels on this? What has a social media account? GovDelivery account? Where things are going to point to?

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>
Date: Wednesday, June 5, 2019 at 2:13 PM
To: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, Diane Tuncer <diane.tuncer@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Cc: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>, "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
There were a few additions (DIMRC webpage, Disaster Info Specialist Program and Division of SIS) and one sunset correction (ITER). See attached.

Janice

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>

Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,

Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

From: Beck, Jeff (NIH/NLM/NCBI) [E]
Sent: 7 Jun 2019 20:22:54 +0000
To: Funk, Kathryn (NIH/NLM/NCBI) [E];Sheehan, Jerry (NIH/NLM) [E]
Subject: Re: gathering agenda for Quarterly NLM Literature meeting

Jerry,

I'll get the Medline documentation into the "updates" section of our agenda. On your points:

1. No Comment.
2. The discussion that Patti and I had was specifically about the amount of work that NLM (now just me and one person from my group working in our spare time) do to support JATS. It is a NISO project, but we work pretty hard to keep it branded at NLM. There are no worries about the latest version that was released at the beginning of the year. I just announced at JATS-Con this year that the NISO Standing Committee will be working on a non-backward compatible version to be released no earlier than 2021. I don't anticipate any problems with this version either. I don't know who the NISO rep is now that Barbara left. I will need to know next time I need NLM to vote "Yes" on one of my items, though. ☺
3. Yes. I mean DOIs. And whether we can mint them is the question. Although the discussion has always been whether we would then need to be a CrossRef-conforming publisher. But I think the worry is the same. If we are creating and publishing content, it would be good to apply these industry standard identifiers, but I understand the limitations. That's why we save these questions for the Quarterly NLM Literature Production Committee.

Jeff

From: Kathryn Funk <kathryn.funk@nih.gov>
Date: Friday, June 7, 2019 at 2:56 PM
To: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, Work <beck@ncbi.nlm.nih.gov>
Subject: Re: gathering agenda for Quarterly NLM Literature meeting

Jumping in with what I can fill in:

1. I do not have a proposal, but I can try to pull one together. I would need to familiarize myself with other NLM log data to address the consistency angle…
2. No comment.
3. He does mean DOI-dois. The question you raise is the one that has always been out there. For what it's worth, DOE is already minting DOIs for datasets and working with or in discussions with NIH institutes.

From: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Date: Friday, June 7, 2019 at 2:33 PM
To: Jeff Beck <beck@ncbi.nlm.nih.gov>

Cc: "Funk, Kathryn (NIH/NLM/NCBI) [E]" <kathryn.funk@nih.gov>
Subject: RE: gathering agenda for Quarterly NLM Literature meeting

Jeff,
Thanks for pulling together the draft agenda. I'd also like to revisit the Medline re-review procedures documentation (a status update). On the three items you suggest:

1. Do we have a proposal from NCBI about sharing PMC usage data? If so, it would be helpful to see it in advance of the meeting – and we might need to vet it w/ others (e.g., OCCS for consistency w/ other log data)
2. JATS – are there any concerns about the new JATS update? Do you know who is our current NISO rep (since Barbara Rapp retired)? If not, I can check w/ Mike Huerta
3. Do you mean "DOI" doi's???? Are we even in a position to mint them, or do we have to become a signatory to DataCite????

Thanks
Jerry

From: Beck, Jeff (NIH/NLM/NCBI) [E]
Sent: Friday, June 7, 2019 10:33 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Funk, Kathryn (NIH/NLM/NCBI) [E] <kathryn.funk@nih.gov>
Subject: gathering agenda for Quarterly NLM Literature meeting

Hi Jerry,

I know we don't have a day yet, but we should start thinking about the agenda. Here are three items that we'd like to talk about.

1. Discussion of relaxing the restrictions on sharing PMC Usage Data (Katie item).

2. NLM support for NISO Z39.96 JATS. Patti brought this question up at a brown bag and suggested that it be on the next agenda.

3. Can NLM mint DOIs for the JATS-Con Proceedings articles? We've avoided doing this so that NCBI would not be considered a publisher. But EBI is going to get DOIs for articles for the JATS-Con that they hosted this year. It would be best if we could get them for the whole set consistently – and that they not be European DOIs.
   https://www.ncbi.nlm.nih.gov/books/NBK65129/

And we will want our usual updates – Library Linkout can be an update.

Here is the agenda from the last meeting. I don't think we have any holdovers.

1. Sunsetting Library LinkOut
2. Supporting other funders for PMC (and beyond)
3. Updates before MLA

a. MEDLINE journal re-review
b. PubMed 2.0
c. NIHMS4
d. ToxNet Literature Resources
e. MEDLINE Publisher Portal
f. NISO Z39.96-2019 JATS 1.2

4. Public Access Milestone Celebration

Thanks
Jeff

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 11 Jun 2019 13:11:47 -0400
To: Scott, Nicole (NIH/NLM) [E];Hochstein, Colette (NIH/NLM) [E];Bolton, Evan (NIH/NLM/NCBI) [E];Kireev, Evgeny (NIH/NLM/NCBI) [E];Lathrop, Stacy (NIH/NLM/NCBI) [C];Nurik, Jody (NIH/NLM) [E];Beck, Jeff (NIH/NLM/NCBI) [E];Middleton, Grace (NIH/NLM) [C];Gillikin, David (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Pruitt, Kim (NIH/NLM/NCBI) [E];Hakkinen, Pertti (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E]
Subject: ATTENTION: NLM SUNSETTING REQUEST CREATED

ATTENTION: The following Sunsetting Request was **CREATED** by Colette Hochstein.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXNET
Description	TOXNET® (TOXicology Data NETwork) is a group of databases covering chemicals and drugs, diseases and the environment, environmental health, occupational safety and health, poisoning, risk assessment and regulations, and toxicology. I
Document(s) Supporting Justification	TOXNET Internal Communications Plan.docx TOXNET usage past 12 months.docx
Justification	Other: NLM is consolidatiing information into a few sustainable platforms for improved user experience, discoverability and efficiency.
Retirement Date	12/01/2019
Organization	DSIS

Key Staff Involved	Evan Bolton Colette Hochstein Jeffrey Beck Pertti Hakkinen Evgueni Kireev Stacy Lathrop Kim Pruitt Jeanne Goshorn Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen Jeanne Goshorn Wei Ma David Gillikin Terry Ahmed Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their

	content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	NLM Website
Additional Information	via PubChem, PubMed, Bookshelf, others

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, TOXNET colleagues at EPA, NIEHS, NNLM, etc.
Communicated Message	On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and

	healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Emails Other: GovD bulletins Technical Bulletin Social Media In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	NLM Website Other: Various .org sites specified on the TOXNET transition page
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available via a new TOXNET transition page.

Request Information	
Request ID	261
Request Status	Submitted
Created By	Colette Hochstein
Date Created	06/11/2019 11:06 a.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

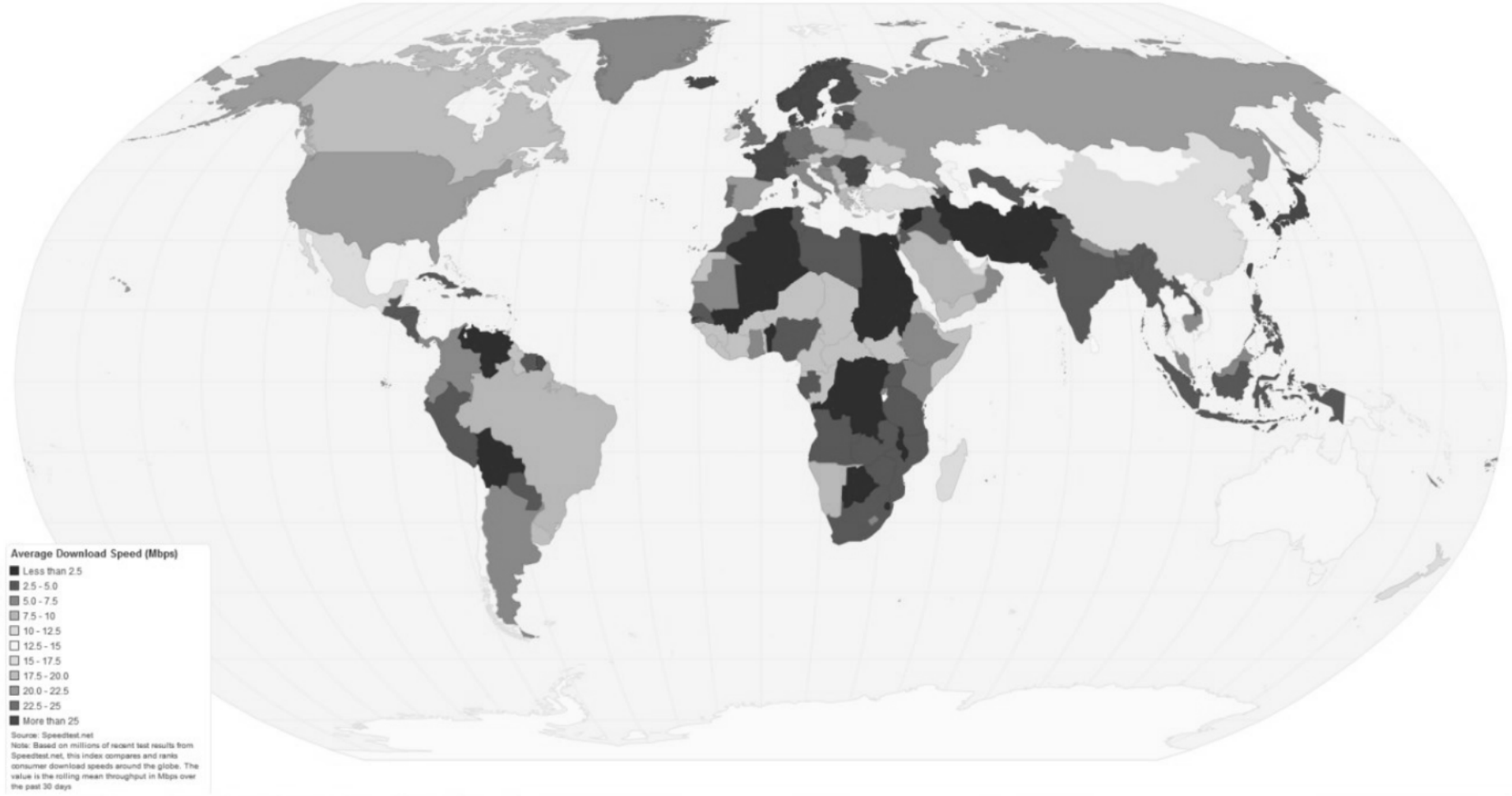
ITSMS Team

From: Brennan, Patti (NIH/NLM) [E]
Sent: 11 Jun 2019 13:54:58 -0400
Subject: <no subject>
Attachments: 2016 NLM resources for global health research.pptx

Resources for Global Health Research from NLM https://www.nlm.nih.gov

sy L. Humphreys, MLSActing DirectorNational Library of ional Institutes of HealthU.S. f Health and Human Services olh@nlm.nih.govJuly 7, 2016

World Broadband Speeds - 2014



NLM Resources - examples

- Literature – discovery, full text accessResearch in progressData Health information in multiple languagesImages – anatomy, clinical, historicalTutorials – for many NLM resourcesTools

PubMed

PubMed comprises more than 26 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

PubMed Commons

Featured comment - Jun 14

R415Q: "this variant contributes extremely weakly, if at all, to MS risk." @dgmacarthur @cureffi comment on 1.usa.gov/1UNGkby

Using PubMed

- PubMed Quick Start Guide
- Full Text Articles
- PubMed FAQs
- PubMed Tutorials
- New and Noteworthy

PubMed Tools

- PubMed Mobile
- Single Citation Matcher
- Batch Citation Matcher
- Clinical Queries
- Topic-Specific Queries

More Resources

- MeSH Database
- Journals in NCBI Databases
- Clinical Trials
- E-Utilities (API)
- LinkOut

go.usa.gov/xFb
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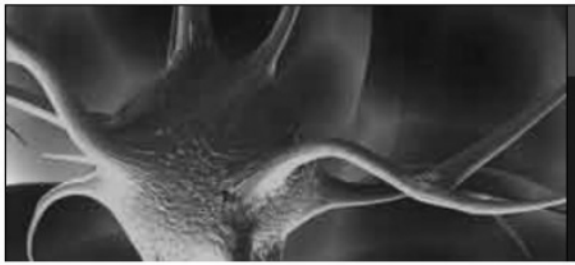

PMC

PubMed Central® (PMC) is a free full-text archive of biomedical and life sciences journal literature at the U.S. National Institutes of Health's National Library of Medicine (NIH/NLM).

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Other Resources

- PMC International
- Open Access Subset
- E-utilities
- NLM LitArch
- PMC Citation Search

3.9 MILLION Articles

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Hinari Access to Research for Health programme

Hinari Programme set up by WHO together with major publishers, enables low- and middle- income countries to gain access to one of the world's largest collections of biomedical and health literature. Up to 15,000 journals (in 30 different languages), up to 47,000 e-books, up to 100 other information resources are now available to health institutions in more than 100 countries, areas and territories benefiting many thousands of health workers and researchers, and in turn, contributing to improve world health.

- Map of country breakdown 2016
  png, 121kb
- Eligible Countries 2016

News

- As of 08 October, the Hinari Portal has been updated with several useful changes (27-Oct-2015)
- The WHO Director General opened the annual General Partners Meeting of the Research4Life and HINARI partners on 21 July 2015 in Geneva at WHO Headquarters (7-Sept-2015)
- JoMI Joins Hinari to bring high-quality surgical teaching videos (2-June-2015)
- Hinari wins the Medical Library Association 2015 Louise M. Darling medal for outstanding health science collection (29-May-2015)

News and Highlights from previous years

New Partners since July 2015

We are pleased to recognize the following new partners who have joined Hinari recently:

- Addleton Academic Publishers
- Directory of Open Access Journals (DOAJ)
- Oxfam
- Wolters Kluwer-UpToDate

Complete list of Partners

Hinari recent additions – online resources added in the last month

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HINARI site in portuguese

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Access to Research4life

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Brief video about AGORA

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Nature. 2016 Jun 23. doi: 10.1038/nature18938. [Epub ahead of print]

Structural basis of potent Zika-dengue virus antibody cross-neutralization.

Barba-Spaeth G[1,2], Dejnirattisai W[3], Rouvinski A[1,2], Vaney MC[1,2], Medits I[4], Sharma A[1,2], Simon-Lorière E[5,6], Sakuntabhai A[5,6], Cao-Lormeau VM[7], Haouz A[8], England P[9], Stiasny K[4], Mongkolsapaya J[3,10], Heinz FX[4], Screaton GR[3], Rey FA[1,2].

Author information

Abstract

Zika virus is a member of the flavivirus genus that had not been associated with severe disease in humans until the recent outbreaks, when it was linked to microcephaly in newborns in Brazil and to Guillain-Barré syndrome in adults in French Polynesia. Zika virus is related to dengue virus, and we report here that a category of antibodies isolated from dengue patients and targeting a conformational epitope potently neutralize Zika virus. The crystal structure of two of these antibodies in complex with the envelope protein of Zika virus reveals the details of a conserved epitope, which is also the site of interaction of the envelope protein dimer with the precursor prM protein during virus maturation. Comparison of the Zika and dengue virus immunocomplexes provides a lead for rational, epitope-focused design of a universal vaccine capable of eliciting potent cross-neutralizing antibodies to protect against Zika and dengue viruses simultaneously.

PMID: 27338953 DOI: 10.1038/nature18938

[PubMed - as supplied by publisher]

LinkOut - more resources

Full text links
nature
HINARI journals

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Similar articles
Guillain-Barré Syndrome outbreak associated with Zika virus inf [Lancet. 2016]
Predicting Zika virus structural biology: Challenges [Antivir Chem Chemother. 2016]
The Zika outbreak of the 21st century. [J Autoimmun. 2016]
Review The Convergence of a Virus, Mosquitoes, an [J Community Health. 2016]
Review Zika virus: history of a newly emerging arbovirus [Lancet Infect Dis. 2016]
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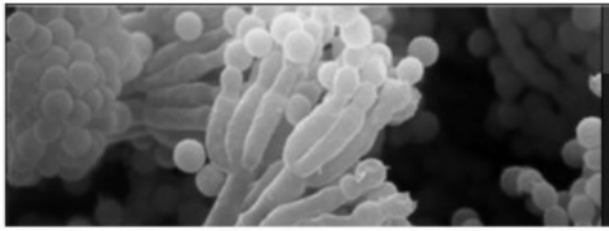

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Bookshelf provides free online access to books and documents in life science and healthcare. Search, read, and discover.

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- Authors and Publishers
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New & Updated

WHO Guidelines on the Management of Health Complications from Female Genital Mutilation.
Geneva: World Health Organization; 2016.

Hunter-gatherers and Early Food Producing Societies in Northeastern Africa.
Chłodnicki M, Kabacinski J,

Featured Titles

Forced Migration & Mortality.
National Research Council (US) Roundtable on the Demography of Forced Migration; Reed HE, Keely CB, editors.
Washington (DC): National Academies Press (US); 2001.

GeneReviews® [Internet].
Pagon RA, Adam MP, Ardinger HH, et

More Information

- NLM Literature Archive
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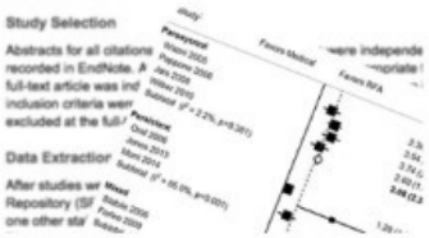

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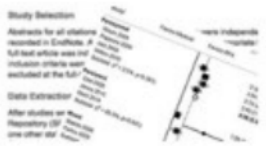

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ClinicalTrials.gov

A service of the U.S. National Institutes of Health

ClinicalTrials.gov is a registry and results database of publicly and privately supported clinical studies of human participants conducted around the world. Learn more about clinical studies and about this site, including relevant history, policies, and laws.

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ClinicalTrials.gov currently lists 218,638 studies with locations in all 50 States and in 193 countries.

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Example: "Heart attack" AND "Los Angeles"

Search

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See Studies on Map

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- Non-U.S. only (55%)
- U.S. only (40%)
- Both U.S. and non-U.S. (6%)

Total N = 38,701 studies
(Data as of June 26, 2016)

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Summary results for 21,801 trials 6/27/2016

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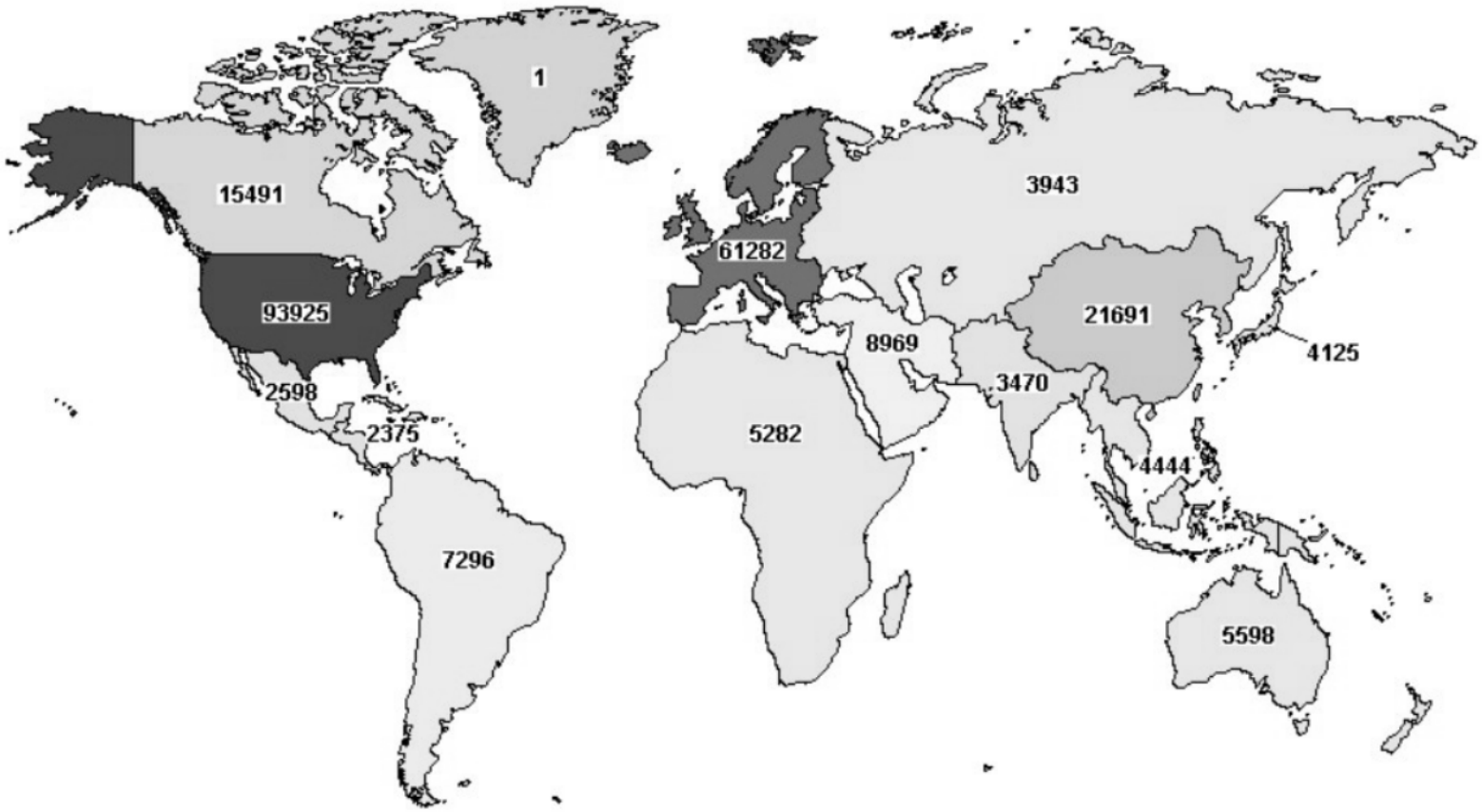
Map of All Studies on ClinicalTrials.gov

Click on the map below to show a more detailed map (when available) or to search for studies (when a map is not available).



Source:http://ClinicalTrials.gov

https://wwwcf.nlm.nih.gov/hsr_project/home_proj.cfm

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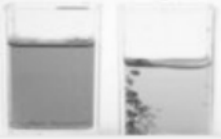

HSDB
A TOXNET DATABASE

Hazardous Substances Data Bank (HSDB)

SEARCH HSDB | BROWSE HSDB | ADVANCED SEARCH

e.g. benzene, endocrine disruptor

Search

Search Term: singular/plural

Records with: all of the words

☑ Include Synonyms and CAS Numbers in Search

About HSDB

What is HSDB?
HSDB is a toxicology database that focuses on the toxicology of potentially hazardous chemicals. It provides information on human exposure, industrial hygiene, emergency handling procedures, environmental fate, regulatory requirements, nanomaterials, and related areas. The information in HSDB has been assessed by a Scientific Review Panel.

Updates: The HSDB Scientific Review Panel meets several times yearly to review selected substances, add new records, and update records, as needed.

Did you know

How do I lease/license the TOXNET databases?

The following TOXNET databases are available for lease: ChemIDplus, DIRLINE, CCRIS, GENE-TOX, HSDB, and TOXLINE.

For further information visit Leasing Data from the National Library of Medicine.

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TOXNET FAQ

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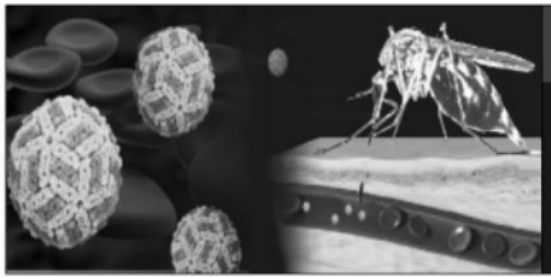
Email: tehip@teh.nlm.nih.gov
Telephone: (301) 496-1131
Fax: (301) 480-3537

https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm

NCBI Resources How To Sign in to NCBI

Virus Variation

Search NCBI Search



Zika Virus Resource

Retrieve, view, and download Zika virus nucleotide and protein sequences from a value added database using a specialized search interface.

Zika virus sequences

- Search nucleotide and protein sequences
- Virus Variation how to guide
- How to cite us
- Contact us

More Zika virus information

- NCBI Zika virus reference genome
- Publications in PubMed
- NLM Zika virus health information resources

External Zika virus resources

- HealthMap
- CDC
- WHO
- ViralZone

You are here: NCBI

Write to the Help Desk

GETTING STARTED	RESOURCES	POPULAR	FEATURED	NCBI INFORMATION
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NCBI Handbook	DNA & RNA	PubMed Central	GenBank	NCBI News
Training & Tutorials	Domains & Structures	PubMed Health	Reference Sequences	NCBI FTP Site
Submit Data	Genes & Expression	BLAST	Gene Expression Omnibus	NCBI on Facebook
	Proteins	Protein	Primer-BLAST	

http://www.ncbi.nlm.nih.gov/genome/viruses/variation/Zika/

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Genetics Home Reference

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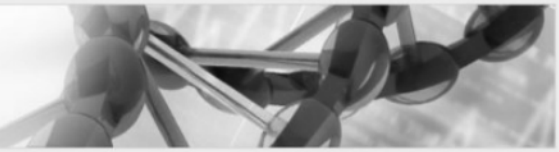
Genetics Home Reference provides consumer-friendly information about the effects of genetic variation on human health.



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Updated Perinatal Guidelines now available

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News

June 17, 2016
AIDS*info* At-a-Glance Issue 15

June 17, 2016
FDA Updates Darunavir Label with Information on Dosing in Pregnant Women

June 7, 2016
AIDS*info* At-a-Glance Issue 14

Search News

Guidelines

Federally approved HIV/AIDS medical practice guidelines

- View and Download the Guidelines
- Adult ARV Guidelines
- Pediatric ARV Guidelines
- Perinatal Guidelines
- Adult OI Guidelines
- Pediatric OI Guidelines

Clinical Trials

Search tool to find HIV/AIDS-related clinical trials

Enter Search Term(s) | Search

- HIV/AIDS-Related Clinical Trials
- HIV Preventive Vaccine Clinical Trials
- HIV Therapeutic Vaccine Clinical Trials

Drugs

Information on HIV/AIDS-related drugs

- HIV/AIDS-Related Drugs
- FDA-Approved HIV/AIDS Drugs
- Investigational HIV/AIDS Drugs

HIV/AIDS Health Topics

Links to HIV/AIDS-related resources

- HIV/AIDS-Related Health Topics

Education Materials

HIV/AIDS-related educational resources

- Fact Sheets

Mobile Resources & Tools

Tools for easy access to HIV/AIDS-related

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Videos & Tools
Discover tutorials, health and surgery videos, games, and quizzes

Medical Encyclopedia
Articles and images for diseases, symptoms, tests, treatments

Senior Fitness

Learn the best ways to get active and stay active on our Exercise for Seniors page.

1 2 3 4 ▸

Today's Health News

Doctors Swamped by 'E-Medicine' Demands

Epclusa Approved for Chronic Hepatitis C

Sudden Heart Death More Common in Male Minority Athletes

More health news

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Ultimas Noticias y Artículos en Nuestro Blog

Nueva Versión Revista En Torno a la Prevención

La revista electrónica En Torno a la Prevención es el medio oficial de publicación técnico científica del Sistema Nacional de Prevención de Riesgos y Atención de Emergencias de Costa Rica. Ésta es producida y [Mas]

Fecha: 8-junio-2016

Estadísticas RELACIGER - Mayo 2016

Panel de todos los Sitios Web Sitio web Visitas Acciones Páginas vistas Ingresos Conversiones Órdenes de Comercio Electrónico Ingresos del Producto CRID-Costa [Mas]

Fecha: 2-junio-2016

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Centre d'Information sur les Catastrophes en Haïti
Accès à l'information sur la santé dans les cas de catastrophes et d'urgences
Mes Favoris
ACCUEIL
A PROPOS DU PORTAIL
PARTENAIRES
CONTACTEZ-NOUS
Consulter la collection
Cartes
Rapports d'activités
Rapports de situation
UN Photos
Rechercher
- Toutes -
› Rechercher
Le Centre Régional d'Information sur les Catastrophes (CRID), en coopération avec la Bibliothèque Nationale de Médecine (NLM) et l'Organisation Panaméricaine de la Santé (PAHO) a développé cette collection électronique spéciale pour identifier, rassembler et faciliter l'accès aux informations qui peuvent aider le processus décisionnel visant à réduire les risques et les catastrophes.
Alimentation et nutrition
Assistance humanitaire
Choléra
Education
Epidemiologie et surveillance
Gestion des risques
Gestion et planification de la santé
Groupes vulnerables et protection
Handicaps et réadaptation
Maladies
Organisation des soins
Population déplacée et réfugiée
Promotion de la santé
Reconstruction
Santé environnementale
Santé maternelle et infantile
Santé mentale et troubles mentaux
Vaccination

The National Library of Medicine presents MedPix®

Case Of The Week

MedPix® is a fully web-enabled cross-platform database, integrating images and textual information. Our primary target audience includes physicians and nurses, allied health professionals, medical students, nursing students and others.

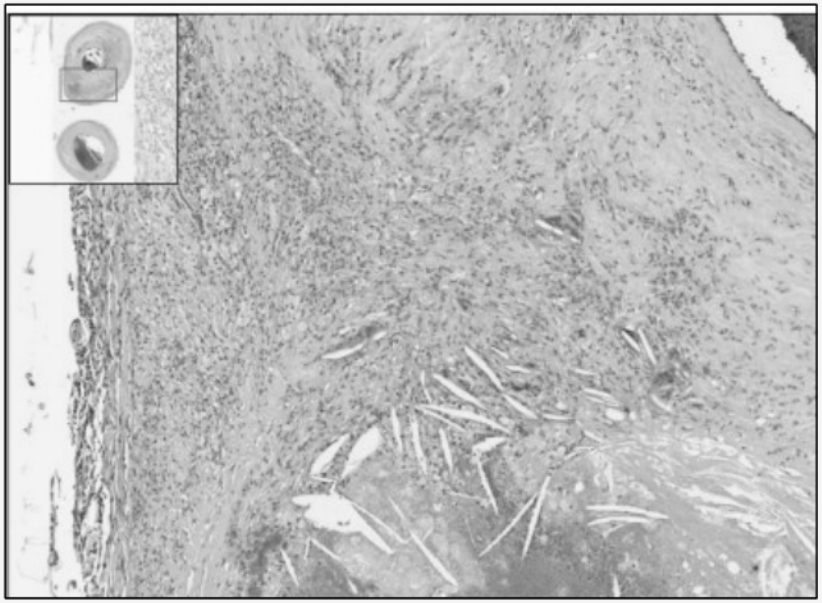
The content material is organized by disease location (organ system), pathology category, patient profiles, and by image classification and caption. Currently, the MedPix® website can be used to browse the cases. Additional functionality: getting CME credits, registering, submitting a case and searching through image and text searches, will be introduced within the next 12 months. We will post updates on twitter @nlm_lhc#MedPix.

A free online Medical Image Database with over 53,000 indexed and curated images, from over 13,000 patients.

https://medpix.nlm.nih.gov/home

Whole Slide Imaging (Virtual Slides) at NLM

(https://images.nlm.nih.gov/pathlab/)



A collection of digitized images of pathology teaching slidesSimulates the experience of viewing slides on a microscope

Refine by:

- Collections
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- Titles
- Formats
  - Still image ✖ 48
- Languages
- Genre
  - Posters ✖ 48
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You searched for: Kenya × Formats

« Previous | 1 - 10 of 48 | Next »

1. My dear parents give me education first: marriage l

Publisher: Kenya :
Subject(s): Educati
Women
Marriag
Child A
Kenya

2. Family health: Afya ya jamii

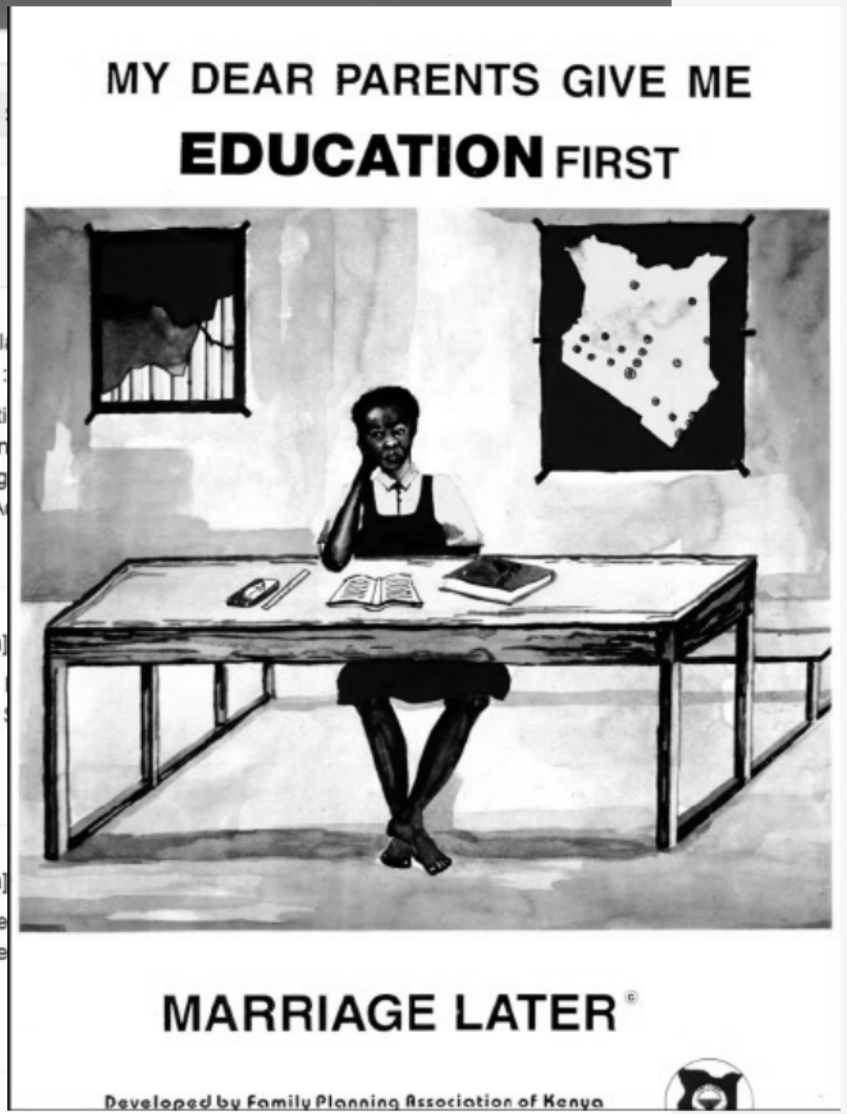
Publisher: [Kenya]
Subject(s): Family
Health
Kenya

3. Minimize your risk of infection

Publisher: [Kenya]
Subject(s): Acquire
Acquire

4. Mpango wa uzazi kwa wanaume

Publisher: Kenya : Family Planning Association of Kenya, [19--?]
Subject(s): Family Planning Services
Interpersonal Relations



Learning Resources Database

NLM

Help

Use any of the following fields to search or browse resources.

All Fields Search:

Search | Apply Filters | Reset Filters

Subjects and Products:

- Agriculture
- Bioinformatics
- Cancer
- Clinical Medicine
- ClinicalTrials.gov
- Consumer Health
- DOCLINE

Date Last Revised:
From To

Include Archived Materials

Results for: **Date Last Revised From 01-Jan-2016 To 28-Jun-2016 .**

Display 1 to 10 of **69** results.

1 2 3 4 5 6 7

1. Finding Systematic Reviews at PubMed Health and PubMed
Description: Hilda Bastian from the National Center for Biotechnology Information (NCBI) at the National Library of Medicine presents a brief instructional Webinar on finding systematic reviews using PubMed Health and PubMed. For more information, see the PubMed Health documentation. For additional training opportunities, see the NN/LM Training Office.
Format: HTML / Webinar Source Page
Subjects: PubMed, PubMed Health
Archived: No
Date Last Revised: 14-Jun-2016

2. Connecting to a Database using MetamorphoSys
Description: A video tutorial describing how to configure UMLS's MetamorphoSys tool to connect to a database.
Format: MP4 Video / Video Tutorial
Subjects: MetamorphoSys, Terminology, Unified Medical Language System (UMLS)
Archived: No
Date Last Revised: 13-Jun-2016

3. How to Use the Conserved Domain Database

Community Health Maps

Information on Low Cost Mapping Tools for Community-based Organizations

HOME PRIVACY & COMMENTS ABOUT RESOURCES

Mapping Curb Ramp Accessibility around a Silver Spring, MD Assisted Living Facility

Leave a reply

Submitted by Jenny Rewolinski, University of Maryland, B.S. Community Health 2016

I just completed a spring internship with the National Library of Medicine (NLM). My goal was to demonstrate what a typical user of the Community Health Maps (CHM) blog might experience, while using the low cost resources it reviews to develop a mapping project with

Search

FOLLOW BLOG VIA EMAIL

Enter your email address to follow this blog and receive notifications of new posts by email.

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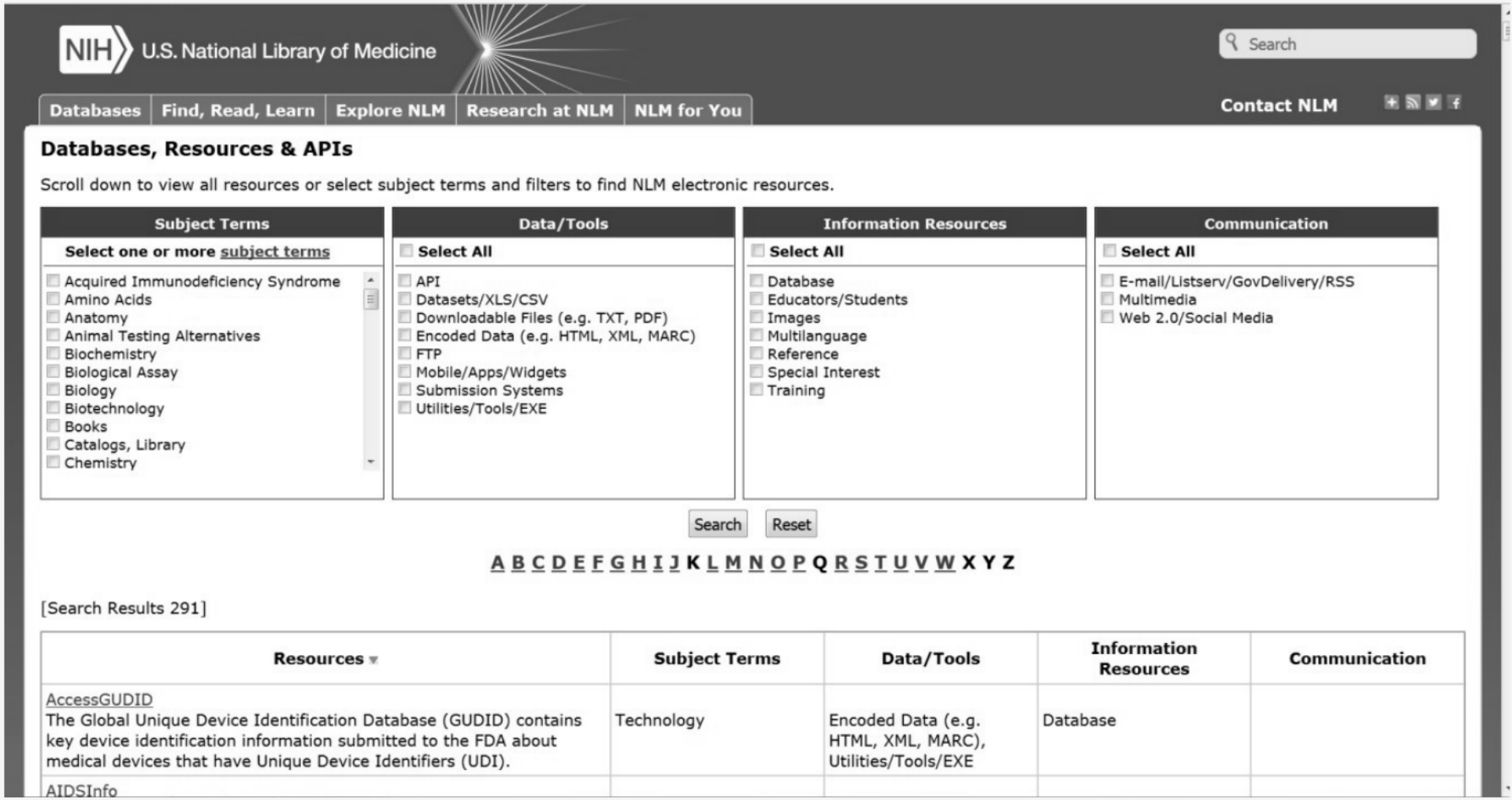
https://communityhealthmaps.nlm.nih.gov/

https://wwwcf2.nlm.nih.gov/nlm_eresources/eresources/search_database.cfm



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Articles

PubMed Celebrates its 20th Anniversary!
e12 2016 June 21 [posted]

Redesigned FTP Site for MeSH Downloads
e11 2016 June 21 [posted]

PubMed Display Changes
e10 2016 June 16 [posted]

Grant Funding Organizations New to MEDLINE and PubMed: ACL, EPA and Additional NASA Agencies
e9 2016 June 10 [posted]

MLA 2016 - e8a-b
MLA 2016: NLM Theater Presentations
MLA 2016: NLM Update PowerPoint Presentations

Enhancement to MedlinePlus Connect Lab Test Responses
e7 2016 May 31 [posted]

National Network of Libraries of Medicine Training Office: New Name for the NLM Training Center
e6 2016 May 31 [posted]

PubMed for Librarians: Online Training Opportunity
e5 2016 May 31 [posted]

UMLS News: 2016AA Data Available on UTS & New Authentication Option for API Users
e4 2016 May 17 [posted]

New NLM Learning Resources Database
e3 2016 May 12 [posted]

UMLS 2016AA Release Available
e2 2016 May 12 [posted]

In Brief

NCBI Webinar: Using NCBI Resources and Variant Interpretation Tools for the Clinical Community on June 15, 2016
b8 2016 June 02 [posted]

NLM Tox Town: Farm Scene Updated
b7 2016 June 02 [posted]

Webinar: Finding Systematic Reviews at PubMed Health and PubMed
b6 2016 May 27 [posted]
2016 June 15 [Editor's Note Added]

LiverTox: Learn How Medications and Supplements Impact Liver Health
b5 2016 May 26 [posted]

New Twitter Account for NCBI Bookshelf
b4 2016 May 25 [posted]

Two SNOMED CT Releases Available
b3 2016 May 23 [posted]

NLM Theater Schedule for NLM @ MLA - 2016
b2 2016 May 10 [posted]

New SNOMED CT International Release Downloads Available
b1 2016 May 04 [posted]

Updated Web Resources

Samples of Formatted References for Authors of Journal Articles
2016 June 23

Funding Support (Grant) Information in MEDLINE/PubMed
2016 June 23

Number of Authors per MEDLINE/PubMed Citation
2016 May 04

Most Popular

NLM @ MLA - 2016
New NLM Learning Resources Database
Newly Redesigned UMLS Homepage

2016 MAY–JUNE No. 410
Issue Completed June 28, 2016

Print this issue

https://www.nlm.nih.gov/pubs/techbull/tb.html

Constantly updated sources of NLM Updates

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RSS Feeds from NLM

RSS (Really Simple Syndication) is a format for sharing and distributing Web content. Using an RSS reader, you will be notified when new content is published on the feeds that interest you, without cluttering your inbox with e-mail messages.

You can download free RSS readers. Each reader has its own features and advantages. NLM does not endorse or provide technical support for RSS readers or aggregators. To find one that fits your needs, you can search the Web with the words *free rss reader*.

To add any of the following feeds, copy the URL below and paste it into your RSS reader.

General NLM Feeds

NLM General Announcements - New and updated files on selected NLM Web sites
http://www.nlm.nih.gov/rss/auto/NLMGeneralAnnouncements.rss

NLM News and Events - News and press announcements about NLM projects and activities.
http://www.nlm.nih.gov/rss/nlmnews.rss

NLM in Focus - An online newsletter with a behind-the-scenes glimpse of NLM — its people, programs and services.
http://infocus.nlm.nih.gov/rss.xml

NLM Technical Bulletin - Newsletter on NLM Web Sites for online searchers
http://www.nlm.nih.gov/rss/techbull.rss

Related Resources

How to set up RSS Feeds for PubMed Searches

All National Center for Biotechnology Information (NCBI) RSS Feeds

NLM Email Lists: News and Announcements

NIH U.S. National Library of Medicine

You are welcome here – and at https://www.nlm.nih.govcustserv@nlm.nih.gov

From: Kelly, Janice (NIH/NLM) [E]
Sent: 12 Jun 2019 12:16:43 +0000
To: Sheehan, Jerry (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Cc: Chang, Florence (NIH/NLM) [E]
Subject: SIS sunset documents
Attachments: SIS Sunset map June12.xlsx, TOXNET Transition Page implementation v3.docx

Hi all –

Here is the updated sunset map document and the TOXNET transition page as requested.

Janice

Janice E. Kelly
Acting Deputy Associate Director, SIS
Chief, Outreach & Special Populations Branch
National Library of Medicine, Specialized Information Services
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2 Democracy Plaza, Suite 510
Bethesda, MD 20892-5467
P: 301-443-5886
F: 301-480-3537
E: Janice.Kelly@nih.gov

	A	B	C	D	E	F	G
1	**Offering**	**Going to or Sunset**	**Person**	**Communication Plan**	**Alt Resources**	**External Messages**	**Notes**
2	TOXNET	Sunset	Florence	in the portal	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Part of the TOXNET integration with NCBI platforms
3	Hazardous Substance Databank	BSD	Bert		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI platforms in 2020
4	ChemIDplus	BSD	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020
5	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site.

	A	B	C	D	E	F	G
6	IRIS (Integrated Risk Information System	Sunset	Jeanne	Will be included in TOXNET sunset plan	Iris at EPA link	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link to IRIS page at EPA	Retire in fall 2019; remove from NLM products &service list
7	ITER (International Toxicity Estimates for Risk)	Sunset	Bert	Will be included in TOXNET sunset plan		TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the sunset notice.	Sunset in fall 2019. Remove from NLM Products & Services list. May survive sunset if contractor issue is resolved
8	Gene-TOX	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in PubChem" on the page.	Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?
9	CPDB (Carcinogenic Potency Database)	Sunset	Jeanne	approved pre-portal		TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP.	Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and Services list
10	CRISS (Chemical Carcinogenic Potency Database	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from transition page.

	A	B	C	D	E	F	G
11	LactMed	BSD	Jeanne		Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include a link to Lactmed in Bookshelf	Content managed at BSD, public facing in Bookshelf, app will be maintained
12	Alt Bib (Alternatives to Animal Testing)	BSD	Bert		PubMed		Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page
13	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
14	Dietary Supplement Label database and Ingredient database	ODS	Jeanne		new url at ODS when moved	Provide message on page with new link when it is available and move date established	Moving to ODS May, 2020. Then remove from the NLM Products & Services
15	Household Products	BSD	Bert				
16	DERMAL	Sunset	Bert	in development	CHEMM	See message in sunset plan; include link to CHEMM	Content is merged into CHEMM
17	LiverTox	NCBI				TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and will link to LiverTox in Bookshelf	Moving to Bookshelf, change url in prod & services

	A	B	C	D	E	F	G
18	CTD (Comparative Toxicogenomics Database)	Sunset	Bert	in development		TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include notice of sunset	Will retire in fall with other TOXNET offerings with the TOXNET integration into NCBI platforms, remove from NLM Products and Services list
19	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
20	DART (Developmental and Reproductive Toxicology Database)	Sunset	Jeanne	in development	DART [subset] in PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page	Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms
21	HazMap	Sunset	Bert	in development		See message in plan	License ends in July, 2019 and will not be renewed. Message in Tech Bulletin, remove from Products & Services. Contact DOL
22	TRI	Sunset	Colette	in system	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services
23	FDA Substance Registry System	BSD	Jeanne				Part of ChemIDplus
24	CHEMSpell API	Sunset	Florence	in system		The ChemSpell API service will retire in the Fall of 2019. The algorithm used for chemical spellchecking and the software is outdated and cannot be sustained.	Remove from NLM Products & Services, no alternative references available

	A	B	C	D	E	F	G
25	Data Discovery	BSD	David H				
26	Disaster Lit	PSD	Stacey				
27	NIH DR2	Sunset	Stacey	to be developed		See plan for message	Will sunset and perhaps move to NIEHS
28	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
29	REMM (Radiation Emergency Medical Management)	PSD	Stacey				App will be maintained
30	CHEMM (Chemical Hazards Emergency Medical Management)	PSD	Jen				
31	All Hazard Plan	Sunset	Jen	in system		The NLM version of All Hazard Plan will sunset inn September 2019 ASPR will host the site in FY2019 – FY2020 time frame (link to URL).	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in maintenance mode.
32	Pillbox	BSD	David H				
33	Drug info portal	BSD	Jeanne				

	A	B	C	D	E	F	G
34	American Indian Health	Sunset	Laura	in system	Medlineplus	The American Indian and Alaska Native portal (https://americanindianhealth.nlm.nih.gov) will be retired on June 30, 2019. Please use the Medlineplus "Native American Health" page for information about American Indian and Alaska Native health at https://medlineplus.gov/nativeamericanhealth.html. If you have any questions, please contact NLM customer support at https://support.nlm.nih.gov/.	Notice on website, notice in Technical bulletin, outreach social media feeds, remove link in NLM Prod & Services
35	HealthReach	PSD	Laura		Medlineplus		Under study at LO to determine if integrating into Medlineplus
36	Arctic Health	Sunset	Laura	in system	Univ of AK - https://arctichealth.org/	The Arctic Health portal moved to a new home on September 28, 2018. The University of Alaska Anchorage will continue to host and maintain the publications database at https://arctichealth.org/. Content from NLM hosted Arctic Health has been moved into the database and the search engine has been enhanced. Please bookmark the new URL for Arctic Health at https://arctichealth.org/.	Notice on site, Tech Bulletin, social media, remove from Prod&Services, contact UofA personnel (this is done)

	A	B	C	D	E	F	G
37	Environmental Health Student Portal	Sunset	Alla	in the portal	ToxTown	See message in plan	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products & services
38	ToxTown	PSD	Alla				
39	CHIRR	Sunset	Janice	approved pre-portal	PubMed, CDE	Notice on website (done), Contacted 2 authors (done)	Sent file to 1 author at his request
40	GeneEd	Sunset	Alla	approved pre-portal	GHR	Notice on GeneEd, Technical Bulletin - both done	Sunsetted at end of Feb, selected content available in GHR
41	ToxMystery	Sunset	Florence	approved pre-portal			done
42	SIS Main website	Sunset	Florence	in the portal	NLM main	Post on the SIS homepage before June 23, 2019 - This site will retire on (TBD). Please use NLM.nih.gov to find NLM products and services or contact NLM customer services for assistantce (provide link)	RWS/WIM will look for SIS content and links on the NLM main and send report to LO
43	AIDSource	OCPL	Nicole				Under study at LO to determine if integrating into Medlineplus
44	AIDSinfo	OCPL	Nicole				
45	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG reviewed.
46	DIMRC website	PSD	Stacey				In team site and will move with staff and DIMRC resources
47	**PROGRAMS**						

	A	B	C	D	E	F	G
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia as task mgr
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead

	A	B	C	D	E	F	G
55	K-12 Program	Sunset	Alla	in the portal	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website. Make a list of unique assets from page
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement
57	Disaster Information Specialist	PSD	Stacey				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	SOCIAL MEDIA						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and General Topic.
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest - HIV Community Information Outreach

	A	B	C	D	E	F	G
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET/PSD	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) •○HIV Community Information Outreach
61	K-12 Science and Health Education	Sunset	Alla	to be developed		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter Outreach (50)

	A	B	C	D	E	F	G
62	Weekly @NLM_SIS Twitter Digest	Sunset	Colette	in the system		See message in plan	Delete in June. Remove from https://www.nih.gov/news-events/social-media-outreach
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information -STEM Newsletter

	A	B	C	D	E	F	G
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and News
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolence	Alla				
67	Animations in YouTube	TBD	Alla				

	A	B	C	D	E	F	G
68	Division of Specialized Information Services	Sunset	Florence	in system	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM main
69							
70							

TOXNET TRANSITION TIMELINE

Develop TOXNET transition page: April – May 2019

Task	Due date	Responsibility of
Develop the transition page	4/26/2019	SIS
Meet with NLM Web group	5/2/2019	SIS, LO, NCBI
Enter Transition plan into the NLM Sunsetting portal	6/1/2019	SIS
Refine the page, get ready for user testing	5/9/2019	SIS, NCBI
TOXNET Fact Sheet revision	6/15/2019	SIS

Iterative user testing and refinement of the transition page: May – August 2019

Task	Due date	Responsibility of
Develop tasks and questions	5/9/2019	NCBI, SIS
Refine web page and Help pages iteratively based on usability test results	5/31/2019	NCBI, SIS

NCBI platforms (PubMed, PubChem, Bookshelf) finalize integration: May – September 2019

Task	Due date	Responsibility of
Fix CCRIS and Gene-Tox display in PubChem – by chemicals	6/7/2019	PubChem
Add IBM Watson Emergency Medical Treatment annotation from HSDB	7/15/2019	SIS, PubChem
PubChem adds HSDB housekeeping annotations, e.g. last update date, last review date, etc.	6/30/2019 (Done 5/23)	PubChem
LiverTox integration complete	9/30/2019	Bookshelf
LactMed integration complete	Done	Bookshelf

Transition page goes live: June – September 2019

Task	Due date	Responsibility of
Transfer html/css/js files to NLM main site (Teamsite)	6/1/2019	SIS, LO, OCCS
Add NLM standard header/footer (Teamsite)	6/15/2019	SIS, LO, OCCS

Publish TOXNET Transition in NLM Technical Bulletin June – September 2019

Task	Due date	Responsibility of
NLM Technical Bulletin draft	6/1/2019	SIS, NCBI, LO
NLM Technical Bulletin published	6/15/2019	SIS, NCBI, LO

Links from current TOXNET home page to transition page: June – September 2019

Task	Due date	Responsibility of
Add a link to the Transition page from TOXNET home	6/15/2019	SIS
Add links to TOXNET database home pages to NCBI version	6/15/2019	SIS

Current TOXNET Web site taken down: September – December 2019

Task	Due date	Responsibility of
Link to HSDB in PubChem record removed	12/1/2019	PubChem
Update the PubChem HSDB Data Source page • Expand HSDB to full name • URL on this page goes to TOXNET Fact sheet page	12/1/2019	PubChem
TOXNET Fact Sheet migrate to NLM Main web site	11/1/2019	LO
TOXNET server comes down	12/1/2019	OCCS
De-register Google Search Console	12/1/2019	OCCS
Discontinue TOXNET FISMA reporting	12/1/2019	OCCS

URL redirect to the transition page: September – December 2019

Task	Due date	Responsibility of
URL redirect – all non-record-based toxnet traffic redirects to Transition page	12/1/2019	OCCS, NCBI
Record-to-record mapping of URL redirect	12/1/2019	OCCS, NCBI

Transition page active and linked from NLM home page January 2020 – August 2021

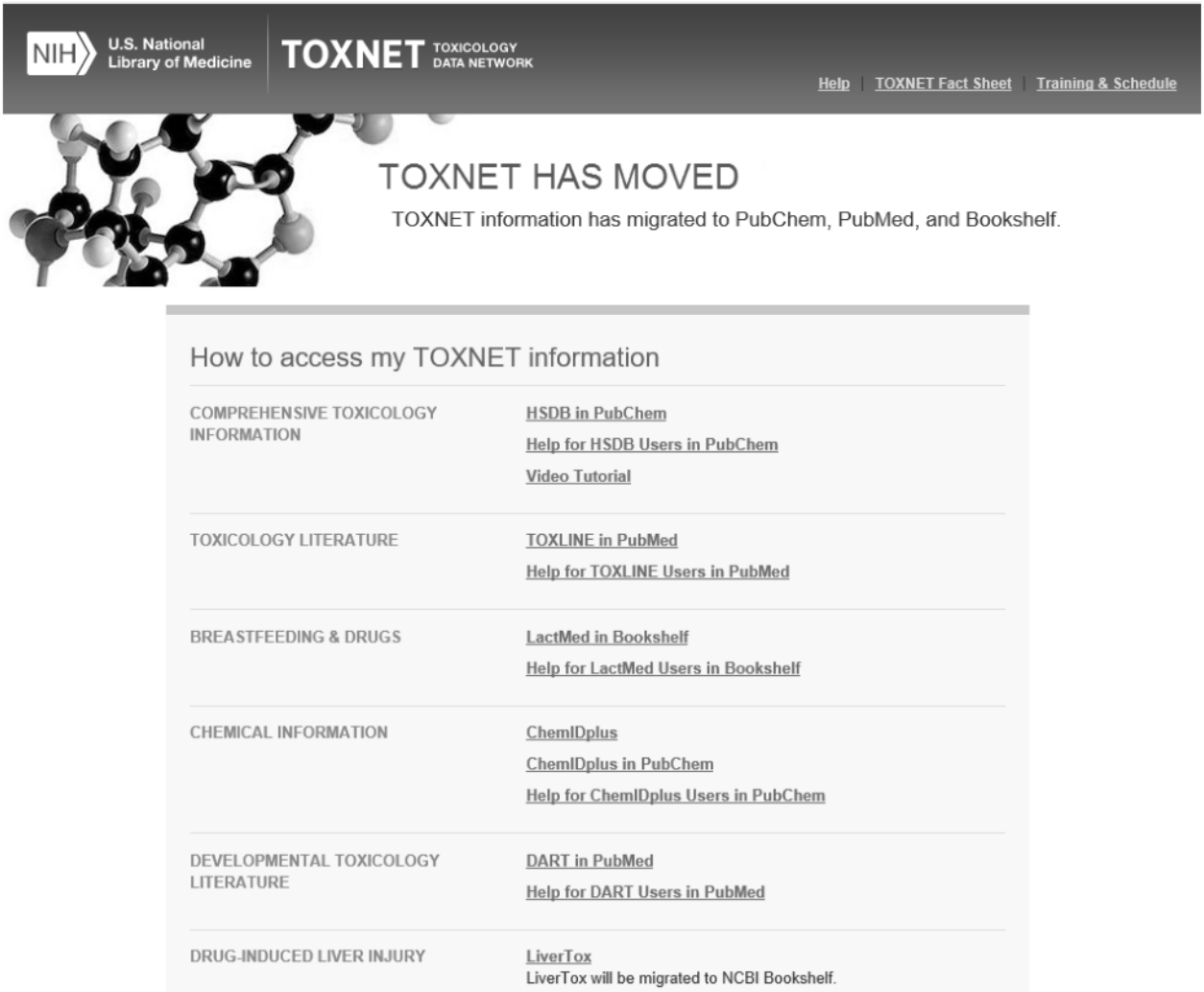
Task	Due date	Responsibility of
Maintain transition page on NLM Main website	ongoing	LO, OCCS

Transition page removal: September 2021

Task	Due date	Responsibility of
Message on Transition page 3 months before sunset	6/1/2021	LO
Sunset the transitional page	9/30/2021	LO

TOXNET TRANSITION PAGE IMPLEMENTATION

Transition page (TOXNET home page) will be enabled in September 2019 and remain on through September 2021. A link from the current TOXNET home page will direct uses to check out the TOXNET transition page for 3 months before the current TOXNET sunset. The page will be staged in dev with multiple usability sessions to test messages and user workflows. Currently, the transition page has the following look and will be adjusted per each element. User testing will begin in May 2019. All TOXNET urls will be directed to this page in December 2019 when the current TOXNET server is decommissioned. Preview this Transition Page at https://sis4.nlm.nih.gov/changPage/newtoxnet/ (sis4user/4sis2use)



1. Mobile link will be removed

    a. Current “mobile app” users will be redirected to Transition page
2. Help will go to a revised help page to help designed with content around finding information on the new pages, i.e. PubChem, Bookshelf, etc.
    a. Page will be static with links to PDFs and YouTube videos
    b. These help links will also be integrated into database structure in section 13
    c. Page will also include a link to the help center
    d. Links on the page will be consistent with TOXNET transition page
3. FAQs link will be removed
    a. Essential information will be put into Help page
4. TOXNET Fact Sheet will be updated to just contain database facts and a link to the help center
5. Training Manual & Schedule link will be replaced with link to the NNLM training page
6. Share link will be removed
7. Welcome text will include info on transition
    a. “TOXNET information has migrated to PubChem, PubMed, and Bookshelf”
8. Environmental Health & Toxicology will be removed
9. This page will be modified to contain tips on migration, content to be driven by usability and user feedback
10. Each database will have its own transition message

COMPREHENSIVE TOXICOLOGY INFORMATION	HSDB in PubChem Help for HSDB Users in PubChem Video Tutorial
TOXICOLOGY LITERATURE	TOXLINE in PubMed Help for TOXLINE Users in PubMed
BREASTFEEDING & DRUGS	LactMed in Bookshelf Help for LactMed Users in Bookshelf
CHEMICAL INFORMATION	ChemIDplus ChemIDplus in PubChem Help for ChemIDplus Users in PubChem

DEVELOPMENTAL TOXICOLOGY LITERATURE	**DART in PubMed** **Help for DART Users in PubMed**
DRUG-INDUCED LIVER INJURY	**LiverTox** LiverTox will be migrated to NCBI Bookshelf.
CHEMICAL RELEASES & MAPPING	**TOXMAP** TOXMAP website will be retired in the Fall of 2019. **TRI** TOXNET's TRI will be retired in the Fall of 2019. Visit **TRI at EPA**.
COMPARATIVE TOXICOGENOMICS	**CTD** TOXNET's CTD will be retired in the Fall of 2019. Visit **CTD** at NC State University.
HOUSEHOLD PRODUCT SAFETY	**Household Products Database**
OCCUPATIONAL EXPOSURE TO CHEMICALS	**Haz-Map** HazMap will be retired in the Fall of 2019.
RISK ASSESSMENT	**IRIS** TOXNET's IRIS will be retired in the Fall of 2019. Visit **IRIS at EPA**. **ITER** TOXNET's ITER will be retired in the Fall of 2019.
ANIMAL TESTING ALTERNATIVES	**ALTBIB**

ARCHIVED, NO LONGER UPDATED

CCRIS in PubChem

Help for CCRIS Users in PubChem

CPDB

CPDB will be retired by the Fall of 2019.

GENE-TOX in PubChem

Help for GENE-TOX Users in PubChem

Footer will remain unchanged

From: Nurik, Jody (NIH/NLM) [E]
Sent: 12 Jun 2019 13:40:19 +0000
To: Kelly, Janice (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Cc: Chang, Florence (NIH/NLM) [E]
Subject: RE: SIS sunset documents

Great – thanks so much!

Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, June 12, 2019 8:17 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: SIS sunset documents

Hi all –

Here is the updated sunset map document and the TOXNET transition page as requested.

Janice

Janice E. Kelly
Acting Deputy Associate Director, SIS
Chief, Outreach & Special Populations Branch
National Library of Medicine, Specialized Information Services
6707 Democracy Blvd
2 Democracy Plaza, Suite 510
Bethesda, MD 20892-5467
P: 301-443-5886
F: 301-480-3537
E: Janice.Kelly@nih.gov

From: Nurik, Jody (NIH/NLM) [E]
Sent: 12 Jun 2019 13:41:04 +0000
To: Nguyen, Pam (NIH/NLM) [E]
Subject: FW: SIS sunset documents
Attachments: SIS Sunset map June12.xlsx, TOXNET Transition Page implementation v3.docx

Can you print off the excel document for me in color and on legal sized paper?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, June 12, 2019 8:17 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: SIS sunset documents

Hi all –

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	A	B	C	D	E	F	G
1	**Offering**	**Going to or Sunset**	**Person**	**Communication Plan**	**Alt Resources**	**External Messages**	**Notes**
2	TOXNET	Sunset	Florence	in the portal	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Part of the TOXNET integration with NCBI platforms
3	Hazardous Substance Databank	BSD	Bert		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI platforms in 2020
4	ChemIDplus	BSD	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020
5	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site.

	A	B	C	D	E	F	G
6	IRIS (Integrated Risk Information System	Sunset	Jeanne	Will be included in TOXNET sunset plan	Iris at EPA link	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link to IRIS page at EPA	Retire in fall 2019; remove from NLM products &service list
7	ITER (International Toxicity Estimates for Risk)	Sunset	Bert	Will be included in TOXNET sunset plan		TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the sunset notice.	Sunset in fall 2019. Remove from NLM Products & Services list. May survive sunset if contractor issue is resolved
8	Gene-TOX	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in PubChem" on the page.	Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?
9	CPDB (Carcinogenic Potency Database)	Sunset	Jeanne	approved pre-portal		TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP.	Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and Services list
10	CRISS (Chemical Carcinogenic Potency Database	Sunset	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from transition page.

	A	B	C	D	E	F	G
11	LactMed	BSD	Jeanne		Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include a link to Lactmed in Bookshelf	Content managed at BSD, public facing in Bookshelf, app will be maintained
12	Alt Bib (Alternatives to Animal Testing)	BSD	Bert		PubMed		Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page
13	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
14	Dietary Supplement Label database and Ingredient database	ODS	Jeanne		new url at ODS when moved	Provide message on page with new link when it is available and move date established	Moving to ODS May, 2020. Then remove from the NLM Products & Services
15	Household Products	BSD	Bert				
16	DERMAL	Sunset	Bert	in development	CHEMM	See message in sunset plan; include link to CHEMM	Content is merged into CHEMM
17	LiverTox	NCBI				TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and will link to LiverTox in Bookshelf	Moving to Bookshelf, change url in prod & services

	A	B	C	D	E	F	G
18	CTD (Comparative Toxicogenomics Database)	Sunset	Bert	in development		TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include notice of sunset	Will retire in fall with other TOXNET offerings with the TOXNET integration into NCBI platforms, remove from NLM Products and Services list
19	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
20	DART (Developmental and Reproductive Toxicology Database)	Sunset	Jeanne	in development	DART [subset] in PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page	Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms
21	HazMap	Sunset	Bert	in development		See message in plan	License ends in July, 2019 and will not be renewed. Message in Tech Bulletin, remove from Products & Services. Contact DOL
22	TRI	Sunset	Colette	in system	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services
23	FDA Substance Registry System	BSD	Jeanne				Part of ChemIDplus
24	CHEMSpell API	Sunset	Florence	in system		The ChemSpell API service will retire in the Fall of 2019. The algorithm used for chemical spellchecking and the software is outdated and cannot be sustained.	Remove from NLM Products & Services, no alternative references available

	A	B	C	D	E	F	G
25	Data Discovery	BSD	David H				
26	Disaster Lit	PSD	Stacey				
27	NIH DR2	Sunset	Stacey	to be developed		See plan for message	Will sunset and perhaps move to NIEHS
28	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
29	REMM (Radiation Emergency Medical Management)	PSD	Stacey				App will be maintained
30	CHEMM (Chemical Hazards Emergency Medical Management)	PSD	Jen				
31	All Hazard Plan	Sunset	Jen	in system		The NLM version of All Hazard Plan will sunset inn September 2019 ASPR will host the site in FY2019 – FY2020 time frame (link to URL).	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in maintenance mode.
32	Pillbox	BSD	David H				
33	Drug info portal	BSD	Jeanne				

	A	B	C	D	E	F	G
34	American Indian Health	Sunset	Laura	in system	Medlineplus	The American Indian and Alaska Native portal (https://americanindianhealth.nlm.nih.gov) will be retired on June 30, 2019. Please use the Medlineplus "Native American Health" page for information about American Indian and Alaska Native health at https://medlineplus.gov/nativeamericanhealth.html. If you have any questions, please contact NLM customer support at https://support.nlm.nih.gov/.	Notice on website, notice in Technical bulletin, outreach social media feeds, remove link in NLM Prod & Services
35	HealthReach	PSD	Laura		Medlineplus		Under study at LO to determine if integrating into Medlineplus
36	Arctic Health	Sunset	Laura	in system	Univ of AK - https://arctichealth.org/	The Arctic Health portal moved to a new home on September 28, 2018. The University of Alaska Anchorage will continue to host and maintain the publications database at https://arctichealth.org/. Content from NLM hosted Arctic Health has been moved into the database and the search engine has been enhanced. Please bookmark the new URL for Arctic Health at https://arctichealth.org/.	Notice on site, Tech Bulletin, social media, remove from Prod&Services, contact UofA personnel (this is done)

	A	B	C	D	E	F	G
37	Environmental Health Student Portal	Sunset	Alla	in the portal	ToxTown	See message in plan	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products & services
38	ToxTown	PSD	Alla				
39	CHIRR	Sunset	Janice	approved pre-portal	PubMed, CDE	Notice on website (done), Contacted 2 authors (done)	Sent file to 1 author at his request
40	GeneEd	Sunset	Alla	approved pre-portal	GHR	Notice on GeneEd, Technical Bulletin - both done	Sunsetted at end of Feb, selected content available in GHR
41	ToxMystery	Sunset	Florence	approved pre-portal			done
42	SIS Main website	Sunset	Florence	in the portal	NLM main	Post on the SIS homepage before June 23, 2019 - This site will retire on (TBD). Please use NLM.nih.gov to find NLM products and services or contact NLM customer services for assistantce (provide link)	RWS/WIM will look for SIS content and links on the NLM main and send report to LO
43	AIDSource	OCPL	Nicole				Under study at LO to determine if integrating into Medlineplus
44	AIDSinfo	OCPL	Nicole				
45	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG reviewed.
46	DIMRC website	PSD	Stacey				In team site and will move with staff and DIMRC resources
47	**PROGRAMS**						

	A	B	C	D	E	F	G
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia as task mgr
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead

	A	B	C	D	E	F	G
55	K-12 Program	Sunset	Alla	in the portal	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website. Make a list of unique assets from page
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement
57	Disaster Information Specialist	PSD	Stacey				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	SOCIAL MEDIA						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and General Topic.
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest - HIV Community Information Outreach

	A	B	C	D	E	F	G
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET/PSD	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) •○HIV Community Information Outreach
61	K-12 Science and Health Education	Sunset	Alla	to be developed		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter Outreach (50)

	A	B	C	D	E	F	G
62	Weekly @NLM_SIS Twitter Digest	Sunset	Colette	in the system		See message in plan	Delete in June. Remove from https://www.nih.gov/news-events/social-media-outreach
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information -STEM Newsletter

	A	B	C	D	E	F	G
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and News
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolence	Alla				
67	Animations in YouTube	TBD	Alla				

	A	B	C	D	E	F	G
68	Division of Specialized Information Services	Sunset	Florence	in system	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM main
69							
70							

TOXNET TRANSITION TIMELINE

Develop TOXNET transition page: April – May 2019

Task	Due date	Responsibility of
Develop the transition page	4/26/2019	SIS
Meet with NLM Web group	5/2/2019	SIS, LO, NCBI
Enter Transition plan into the NLM Sunsetting portal	6/1/2019	SIS
Refine the page, get ready for user testing	5/9/2019	SIS, NCBI
TOXNET Fact Sheet revision	6/15/2019	SIS

Iterative user testing and refinement of the transition page: May – August 2019

Task	Due date	Responsibility of
Develop tasks and questions	5/9/2019	NCBI, SIS
Refine web page and Help pages iteratively based on usability test results	5/31/2019	NCBI, SIS

NCBI platforms (PubMed, PubChem, Bookshelf) finalize integration: May – September 2019

Task	Due date	Responsibility of
Fix CCRIS and Gene-Tox display in PubChem – by chemicals	6/7/2019	PubChem
Add IBM Watson Emergency Medical Treatment annotation from HSDB	7/15/2019	SIS, PubChem
PubChem adds HSDB housekeeping annotations, e.g. last update date, last review date, etc.	6/30/2019 (Done 5/23)	PubChem
LiverTox integration complete	9/30/2019	Bookshelf
LactMed integration complete	Done	Bookshelf

Transition page goes live: June – September 2019

Task	Due date	Responsibility of
Transfer html/css/js files to NLM main site (Teamsite)	6/1/2019	SIS, LO, OCCS
Add NLM standard header/footer (Teamsite)	6/15/2019	SIS, LO, OCCS

Publish TOXNET Transition in NLM Technical Bulletin June – September 2019

Task	Due date	Responsibility of
NLM Technical Bulletin draft	6/1/2019	SIS, NCBI, LO
NLM Technical Bulletin published	6/15/2019	SIS, NCBI, LO

Links from current TOXNET home page to transition page: June – September 2019

Task	Due date	Responsibility of
Add a link to the Transition page from TOXNET home	6/15/2019	SIS
Add links to TOXNET database home pages to NCBI version	6/15/2019	SIS

Current TOXNET Web site taken down: September – December 2019

Task	Due date	Responsibility of
Link to HSDB in PubChem record removed	12/1/2019	PubChem
Update the PubChem HSDB Data Source page • Expand HSDB to full name • URL on this page goes to TOXNET Fact sheet page	12/1/2019	PubChem
TOXNET Fact Sheet migrate to NLM Main web site	11/1/2019	LO
TOXNET server comes down	12/1/2019	OCCS
De-register Google Search Console	12/1/2019	OCCS
Discontinue TOXNET FISMA reporting	12/1/2019	OCCS

URL redirect to the transition page: September – December 2019

Task	Due date	Responsibility of
URL redirect – all non-record-based toxnet traffic redirects to Transition page	12/1/2019	OCCS, NCBI
Record-to-record mapping of URL redirect	12/1/2019	OCCS, NCBI

Transition page active and linked from NLM home page January 2020 – August 2021

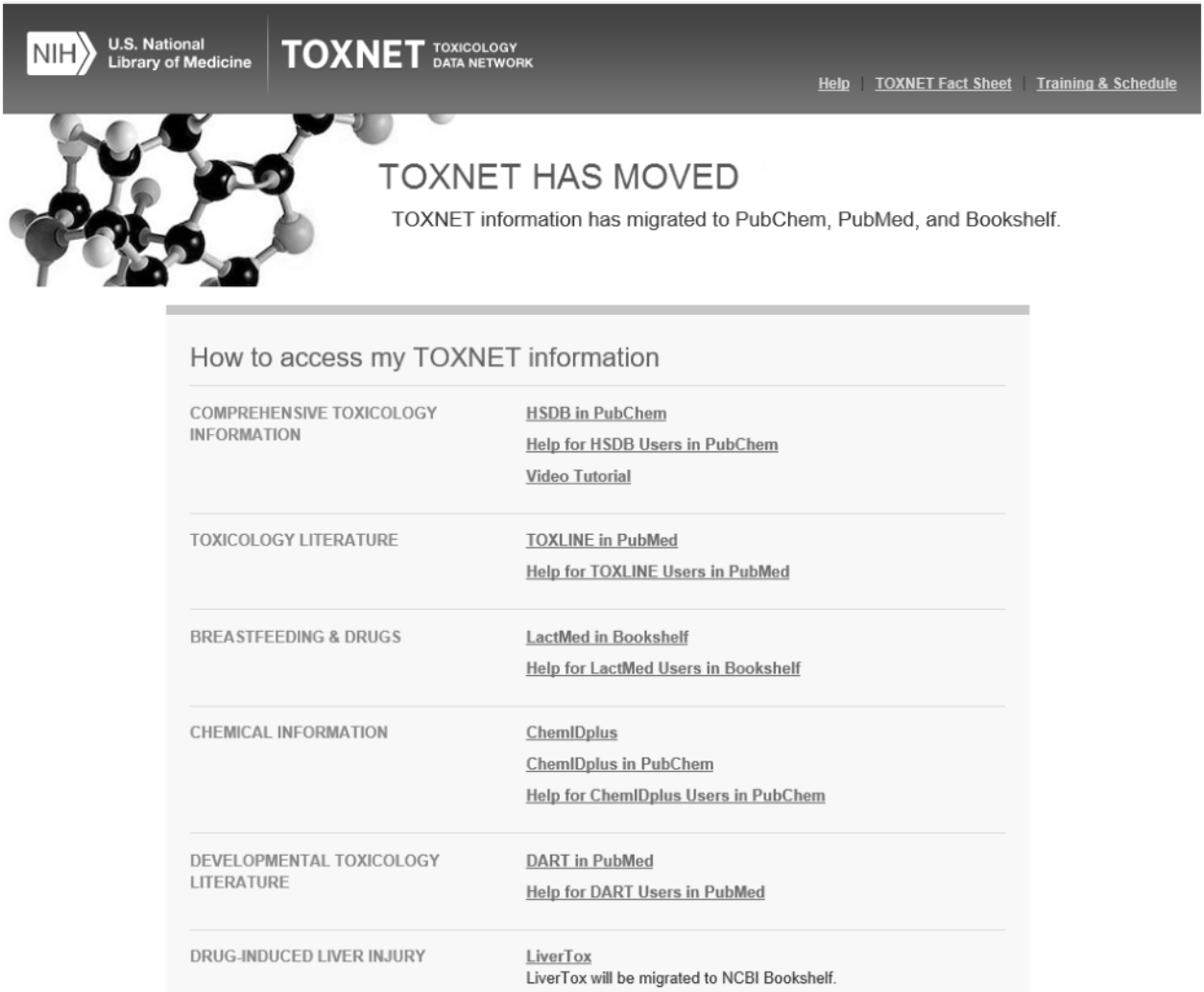
Task	Due date	Responsibility of
Maintain transition page on NLM Main website	ongoing	LO, OCCS

Transition page removal: September 2021

Task	Due date	Responsibility of
Message on Transition page 3 months before sunset	6/1/2021	LO
Sunset the transitional page	9/30/2021	LO

TOXNET TRANSITION PAGE IMPLEMENTATION

Transition page (TOXNET home page) will be enabled in September 2019 and remain on through September 2021. A link from the current TOXNET home page will direct uses to check out the TOXNET transition page for 3 months before the current TOXNET sunset. The page will be staged in dev with multiple usability sessions to test messages and user workflows. Currently, the transition page has the following look and will be adjusted per each element. User testing will begin in May 2019. All TOXNET urls will be directed to this page in December 2019 when the current TOXNET server is decommissioned. Preview this Transition Page at https://sis4.nlm.nih.gov/changPage/newtoxnet/ (sis4user/4sis2use)



1. Mobile link will be removed

    a. Current “mobile app” users will be redirected to Transition page
2. Help will go to a revised help page to help designed with content around finding information on the new pages, i.e. PubChem, Bookshelf, etc.
    a. Page will be static with links to PDFs and YouTube videos
    b. These help links will also be integrated into database structure in section 13
    c. Page will also include a link to the help center
    d. Links on the page will be consistent with TOXNET transition page
3. FAQs link will be removed
    a. Essential information will be put into Help page
4. TOXNET Fact Sheet will be updated to just contain database facts and a link to the help center
5. Training Manual & Schedule link will be replaced with link to the NNLM training page
6. Share link will be removed
7. Welcome text will include info on transition
    a. “TOXNET information has migrated to PubChem, PubMed, and Bookshelf”
8. Environmental Health & Toxicology will be removed
9. This page will be modified to contain tips on migration, content to be driven by usability and user feedback
10. Each database will have its own transition message

COMPREHENSIVE TOXICOLOGY INFORMATION	HSDB in PubChem Help for HSDB Users in PubChem Video Tutorial
TOXICOLOGY LITERATURE	TOXLINE in PubMed Help for TOXLINE Users in PubMed
BREASTFEEDING & DRUGS	LactMed in Bookshelf Help for LactMed Users in Bookshelf
CHEMICAL INFORMATION	ChemIDplus ChemIDplus in PubChem Help for ChemIDplus Users in PubChem

DEVELOPMENTAL TOXICOLOGY LITERATURE	**DART in PubMed** **Help for DART Users in PubMed**
DRUG-INDUCED LIVER INJURY	**LiverTox** LiverTox will be migrated to NCBI Bookshelf.
CHEMICAL RELEASES & MAPPING	**TOXMAP** TOXMAP website will be retired in the Fall of 2019. **TRI** TOXNET's TRI will be retired in the Fall of 2019. Visit **TRI at EPA**.
COMPARATIVE TOXICOGENOMICS	**CTD** TOXNET's CTD will be retired in the Fall of 2019. Visit **CTD** at NC State University.
HOUSEHOLD PRODUCT SAFETY	**Household Products Database**
OCCUPATIONAL EXPOSURE TO CHEMICALS	**Haz-Map** HazMap will be retired in the Fall of 2019.
RISK ASSESSMENT	**IRIS** TOXNET's IRIS will be retired in the Fall of 2019. Visit **IRIS at EPA**. **ITER** TOXNET's ITER will be retired in the Fall of 2019.
ANIMAL TESTING ALTERNATIVES	**ALTBIB**

ARCHIVED, NO LONGER UPDATED

CCRIS in PubChem

Help for CCRIS Users in PubChem

CPDB

CPDB will be retired by the Fall of 2019.

GENE-TOX in PubChem

Help for GENE-TOX Users in PubChem

Footer will remain unchanged

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 12 Jun 2019 10:33:53 -0400
To: Nurik, Jody (NIH/NLM) [E]
Subject: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXNET
Description	TOXNET® (TOXicology Data NETwork) is a group of databases covering chemicals and drugs, diseases and the environment, environmental health, occupational safety and health, poisoning, risk assessment and regulations, and toxicology. I
Document(s) Supporting Justification	TOXNET Internal Communications Plan.docx TOXNET usage past 12 months.docx Second revision June 11 NLM TOXNET transition page and System message.docx TOXNET Transition Page implementation v3 (1).docx
Justification	Other: NLM is consolidatiing information into a few sustainable platforms for improved user experience, discoverability and efficiency.
Retirement Date	12/01/2019

Organization	DSIS
Key Staff Involved	Evan Bolton Colette Hochstein Jeffrey Beck Pertti Hakkinen Evgueni Kireev Stacy Lathrop Kim Pruitt David Gillikin Jeanne Goshorn Hua Chang

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen David Gillikin Terry Ahmed Wei Ma Jeanne Goshorn Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be

	available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	NLM Website
Additional Information	via PubChem, PubMed, Bookshelf, others

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, TOXNET colleagues at EPA, NIEHS, NNLM, etc.
Communicated Message	On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free

	online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Technical Bulletin Social Media Emails Other: GovD bulletins In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	NLM Website Other: Various .org sites specified on the TOXNET transition page
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available via a new TOXNET transition page.

Request Information	
Request ID	261
Task ID	302
Request Status	Associate Director Approved
Created By	Colette Hochstein
Date Created	06/11/2019 11:06 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Scott, Nicole (NIH/NLM) [E]
Sent: 13 Jun 2019 15:18:07 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: Report: SIS Sunset Plan Update

SIS Sunsetting Draft Message and Updates:

Draft Message in Process (Working on with Jerry) – SIS Organization Sunset

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued.

To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

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We will be providing notice of these changes. Please know for the resources that are being discontinued the basic information will not be lost – some will be available on other NLM web pages and through partner websites.

Recommended communication tactics/distribution channels for the above message

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page). The page will be dynamic and will be the central location for NLM to provide advance notice of changes and where resources have moved/or can be accessed
- A follow-up Musings blog
- NLM News Announcement
- Technical Bulletin announcement
- Social media messaging
- E-Blast to appropriate audiences
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

Current SIS Offerings (9) Entered in the Sunset System

- TOXNET
- TOXNET Toxics Release Inventory (TRI)
- SIS K-12 Program

- Environmental Health Student Portal
- ChemSpell
- All Hazards Plan
- TOXLINE
- Arctic Health
- American Indian and Alaska Native Health Portal

Misc. info:

- Jerry, Nicole, Florence, Janice, and Jody met this week to review sunset plans and next steps and will be meeting again on June 24. As Florence and Janice are retiring, we have asked that they identify points of contacts for SIS sunset offerings
- Jody is working with Lisa Theisen (WIMS) on options for adding a SIS subpage to the NLM home page
- OCPL is working on the process and messaging around shutting down SIS social media assets
- OCPL is working on tailored messaging for K-12 and other specific audiences as the offerings are being discontinued

From: Nurik, Jody (NIH/NLM) [E]
Sent: 13 Jun 2019 15:29:56 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: FW: Sunsetting NIEHS ?

FYI…

From: Nurik, Jody (NIH/NLM) [E]
Sent: Thursday, June 13, 2019 11:23 AM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Subject: RE: Sunsetting NIEHS ?

Hi Patti,

Please see below information regarding SIS sunsetting – in my office if you need anything else or have questions. Hoping this is what you were looking for.

Thanks,
Jody

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From: Nurik, Jody (NIH/NLM) [E]
Sent: Thursday, June 13, 2019 10:43 AM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Subject: Re: Sunsetting NIEHS ?

Hi Patti,

Are you looking for SIS sunset updates for your meeting?

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Jun 13, 2019, at 9:13 AM, Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov> wrote:

> Will start working on the update.
>
> Regards,
>
> Jody
>
> Jody Nurik
> Director, Office of Communications and Public Liaison (OCPL)
> National Library of Medicine
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> On Jun 13, 2019, at 9:06 AM, Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov> wrote:
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> > Hi
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> >
> > Patti
> >
> > Patricia Flatley Brennan, RN, PhD
> > Director, National Library of Medicine
> > National Institutes of Health
> > US Department of Health and Human Services

From: Brennan, Patti (NIH/NLM) [E]
Sent: 13 Jun 2019 16:03:41 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: Re: Sunsetting NIEHS ?

Sorry I was unclear –
I just need to know where we were in the process - -we have not approved the sunset as yet- correct?

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Thursday, June 13, 2019 at 11:22 AM
To: Patti Brennan <patti.brennan@nih.gov>
Subject: RE: Sunsetting NIEHS ?

Hi Patti,

Please see below information regarding SIS sunsetting – in my office if you need anything else or have questions. Hoping this is what you were looking for.

Thanks,
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Sent: Thursday, June 13, 2019 10:43 AM

To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Subject: Re: Sunsetting NIEHS ?

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> > Patti
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> > Patricia Flatley Brennan, RN, PhD
> > Director, National Library of Medicine
> > National Institutes of Health
> > US Department of Health and Human Services

From: Brennan, Patti (NIH/NLM) [E]
Sent: 13 Jun 2019 23:02:56 +0000
To: Sheehan, Jerry (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: Re: Sunsetting NIEHS ?

Thanks – I have provided Jody with the MOU = it's still active for two more years; no mention of the web site –
p

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>
Date: Thursday, June 13, 2019 at 6:14 PM
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, Patti Brennan <patti.brennan@nih.gov>
Subject: Re: Sunsetting NIEHS ?

In addition to what Jody sent you, which nicely summarizes Plans emerging from our meeting with Florence and Janice this week, I have also asked Stacie for a more detailed breakout of activities related to DR2 and proposals for transitioning them. Some items, like disaster related CDEs, may not sunset but transition elsewhere in NLM. The basic message to NIEHS is that we are actively assessing DR2 and expecting that some activities will transition. One item that you might discuss is the website. Although Stacie sees some value—and little cost—in keeping it, my initial thought would be to have NIEHS take it over as the NIH lead for the effort, on a mutually agreeable timeframe.

Jerry

From: Nurik, Jody (NIH/NLM) [E]
Sent: Thursday, June 13, 2019 11:23 AM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Subject: RE: Sunsetting NIEHS ?

Hi Patti,

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> > Patricia Flatley Brennan, RN, PhD
> > Director, National Library of Medicine
> > National Institutes of Health
> > US Department of Health and Human Services

From: Nurik, Jody (NIH/NLM) [E]
Sent: 17 Jun 2019 12:39:59 +0000
To: Middleton, Grace (NIH/NLM) [C]
Subject: FW: Sunsetting NIEHS ?

From: Nurik, Jody (NIH/NLM) [E]
Sent: Thursday, June 13, 2019 11:23 AM
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Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Jun 13, 2019, at 9:13 AM, Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov> wrote:

> Will start working on the update.
>
> Regards,
>
> Jody
>
> Jody Nurik
> Director, Office of Communications and Public Liaison (OCPL)
> National Library of Medicine
> National Institutes of Health
> Main OCPL phone: 301-496-6308
>
> On Jun 13, 2019, at 9:06 AM, Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov> wrote:
>
> > Hi
> > Linda Birnbaum from NIEHS reached out to me to say that she had been told that NLM would be shutting down – can you give me a status report of the sunset plans? I have a meeting at noon and it would be helpful to know
> >
> > Patti
> >
> > Patricia Flatley Brennan, RN, PhD
> > Director, National Library of Medicine
> > National Institutes of Health
> > US Department of Health and Human Services

From: Gillikin, David (NIH/NLM) [E]
Sent: 17 Jun 2019 17:26:31 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E]
Subject: FW: TOXNET
Attachments: Letter to NLM 061719.pdf

Everyone,
I received this communication today from the US Consumer product and Safety Commission concerning the changes to the TOXNET databases. I have sent a short message thanking him for his input and acknowledging that I received his message.

As you can see in the attached PDF, they are especially concerned about HSDB, household products database and Haz-Map.

David

From: Babich, Michael <MBabich@cpsc.gov>
Sent: Monday, June 17, 2019 1:17 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: TOXNET

David,

Attached is a letter from the CPSC staff regarding TOXNET databases. These databases are essential to our official duties. We greatly appreciate the effort that your staff puts into maintaining and improving these databases.

Please let me know if you have any questions regarding our letter. My colleagues and I would be happy to discuss the letter in more detail.

Best regards,
Mike Babich

Michael A. Babich, PhD, Director
Division of Toxicology & Risk Assessment
Directorate for Health Sciences
U.S. Consumer Product Safety Commission
5 Research Place
Rockville, MD 20850
301-987-2606
mbabich@cpsc.gov

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Safety Commission. Copies of product recall and product safety information can be sent to you automatically via Internet e-mail, as they are released by CPSC. To subscribe or unsubscribe to this service go to the following web page: http://www.cpsc.gov/en/Newsroom/Subscribe *****!!! --

U.S. CONSUMER PRODUCT SAFETY COMMISSION
5 RESEARCH PLACE
ROCKVILLE, MD 20850

June 17, 2019

David Gillikin, Chief
Bibliographic Services Division
National Library of Medicine
Bldg. 38A, Rm. 4N419
MSC 3832
8600 Rockville Pike
Bethesda, MD 20894

Dear Mr. Gillikin:

I am writing on behalf of the staff of the U.S. Consumer Product Safety Commission (CPSC) Directorate for Health Sciences. The comments here are those of the CPSC staff, have not been reviewed or approved by, and may not necessarily reflect the views of, the Commission. As toxicologists, pharmacologists, and physiologists, we rely heavily on the National Library of Medicine's (NLM's) TOXNET and PubMed databases. NLM's databases are absolutely essential to our work protecting consumers from unreasonable risk of injury.

We understand that NLM is considering changes to its TOXLINE databases, and that some databases may be merged into other databases or be eliminated entirely. We wish to take this opportunity to explain why some of the databased are important to our work. As explained on the TOXNET Web page, the Hazardous Substances Data Bank (HSDB) is one of the most visited databases by users, including CPSC toxicologists and pharmacologists. It is particularly useful for rapidly obtaining toxicology, exposure and use information. It supports our work on chronic hazards, as well as our work on poison prevention.

The Household Products Database (HPD) is also of particular interest. Although we have jurisdiction over household products, manufacturers are not required to report their ingredients and formulations to us. As a small agency, we lack the resources to maintain such a database on

our own. Haz-Map provides useful information on consumer exposures from art materials and household remodeling.

As you continue your work on improving NLM's databases, please keep in mind the importance of your work to federal regulatory agencies and the toxicology and environmental health community. Please feel free to contact me if you would like to discuss our needs further.

Thank you very much.

Best regards,

Michael A. Babich

Michael A. Babich, Ph.D.
Director, Division of Toxicology and Risk Assessment
Directorate for Health Sciences
U.S. Consumer Product Safety Commission
5 Research Place
Rockville, MD 20850-3213
301-987-2606
mbabich@cpsc.gov

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 17 Jun 2019 14:02:05 -0400
To: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Nurik, Jody (NIH/NLM) [E];Thomas, Phillip (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Subject: ATTENTION: NLM SUNSETTING REQUEST CREATED

ATTENTION: The following Sunsetting Request was **CREATED** by Jeanne Goshorn.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	DART (Developmental and Reproductive Toxicology)
Description	The Developmental and Reproductive Toxicology database (DART) is a TOXNET database that provides more than 400,000 journal references covering teratology and other aspects of developmental and reproductive toxicology. DART was initially funded by the U.S. Environmental Protection Agency, the National Institute of Environmental Health Sciences, the National Center for Toxicological Research of the Food and Drug Administration, and NLM. The DART database covers teratology and other aspects of developmental and reproductive toxicology with references to literature published since the early 1900s. The DART database, like TOXLINE, contains MEDLINE/PubMed references related to this subject. A search strategy has been used with PubMed to create the basic core of DART by pulling records in to the TOXNET database, which also includes references not included in MEDLINE/PubMed, such as meeting abstracts, books, technical reports, and journals originally not indexed for or available in MEDLINE.
Document(s) Supporting Justification	DART justification.docx
Justification	No longer aligned with NLM priorities or mission needs

	Cost in relation to value
Retirement Date	12/01/2019
Organization	DSIS
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	Part of the TOXNET transition to NCBI involves retiring DART on TOXNET and directing users to the DART[subset} on PubMed.
Date the Message will be Sent	07/15/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Users who license DART and get it in xml from our FTP site online users
Communicated Message	DART will be retired on 1 December 2019. The DART[subset} will be available on PubMed, and the older archived part of DART will be available on the FTP site.
Date the Message will be Sent	07/15/2019
Communication Channel(s)	Technical Bulletin Newsletter
Communication Frequency	One time message
Retained Content	FTP Other: DART[subset] of PubMed
Page Redirected	No
Additional Information	The page will be redirected to the TOXNET transition URL when it is determined what that URL will be.

Request Information	
Request ID	281

Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	06/17/2019 10:17 a.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 17 Jun 2019 14:41:42 -0400
To: Nurik, Jody (NIH/NLM) [E]
Subject: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
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Document(s) Supporting Justification	DART justification.docx

Justification	No longer aligned with NLM priorities or mission needs Cost in relation to value
Retirement Date	12/01/2019
Organization	DSIS
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

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Page Redirected	No
Additional Information	The page will be redirected to the TOXNET transition URL when it is determined what that URL will be.

Request Information	
Request ID	281

Task ID	342
Request Status	Associate Director Approved
Created By	Jeanne Goshorn
Date Created	06/17/2019 10:17 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Backus, Joyce (NIH/NLM) [E]
Sent: 18 Jun 2019 14:34:30 +0000
To: Chang, Florence (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Subject: RE: TOXNET

Sure that's fine. These are the kinds of stakeholders we should be reaching out to as we consider whether to sunset or transition our information services. We need to understand how they are using the products, whether there are available equivalents and how our changes affect their work so we can communicate effectively as we sunset and transition.

Those transition/sunsetting meetings should probably include the incoming product sponsors, David, Stacey, and Amanda.

Joyce

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, June 18, 2019 10:26 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: RE: TOXNET

Do you mind if I share this with Patti, Jerry, and Jody? Janice and I meet with Jerry and Jody regularly to discuss the messaging of transition/sunsetting of SIS offerings.

From: Gillikin, David (NIH/NLM) [E]
Sent: Monday, June 17, 2019 1:27 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: FW: TOXNET

Everyone,
I received this communication today from the US Consumer product and Safety Commission concerning the changes to the TOXNET databases. I have sent a short message thanking him for his input and acknowledging that I received his message.

As you can see in the attached PDF, they are especially concerned about HSDB, household products database and Haz-Map.

David

From: Babich, Michael <MBabich@cpsc.gov>
Sent: Monday, June 17, 2019 1:17 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: TOXNET

David,

Attached is a letter from the CPSC staff regarding TOXNET databases. These databases are essential to our official duties. We greatly appreciate the effort that your staff puts into maintaining and improving these databases.

Please let me know if you have any questions regarding our letter. My colleagues and I would be happy to discuss the letter in more detail.

Best regards,
Mike Babich

Michael A. Babich, PhD, Director
Division of Toxicology & Risk Assessment
Directorate for Health Sciences
U.S. Consumer Product Safety Commission
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Rockville, MD 20850
301-987-2606
mbabich@cpsc.gov

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From: Middleton, Grace (NIH/NLM) [C]
Sent: 19 Jun 2019 19:19:47 +0000
To: Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E]
Subject: RE: The Toxicology Reference Book Collection

I just reviewed what was submitted by SIS (matrix and the entries in the system) and do not see anything about a Toxicology Reference Book Collection being destroyed, much less with a deadline of 6/24. There are several databases (shown on TOXNET) that will be assumed by other parts of NLM. Users will be pointed to their new locations (SIS shared the draft of the homepage). I am not sure to what collection, though, Dr. Corn is inquiring about.

From: Nurik, Jody (NIH/NLM) [E]
Sent: Wednesday, June 19, 2019 2:38 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: FW: The Toxicology Reference Book Collection
Importance: High

? Any info. on this….

From: Brennan, Patti (NIH/NLM) [E]
Sent: Wednesday, June 19, 2019 2:23 PM
To: Corn, Milton (NIH/NLM) [E] <cornm@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Reznick, Jeffrey (NIH/NLM) [E] <jeffrey.reznick@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Re: The Toxicology Reference Book Collection

I have no information about destruction of the Toxicology Reference Book Collection –

I have copied Jody on this

Florence or Jody – can you respond? I have not seen anything about it on the sunsetting plans

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: Milton Corn <cornm@mail.nlm.nih.gov>
Date: Wednesday, June 19, 2019 at 2:18 PM
To: Florence Chang <changf@mail.nlm.nih.gov>, Patti Brennan <patti.brennan@nih.gov>, Joyce Backus <backusj@mail.nlm.nih.gov>, "Reznick, Jeffrey (NIH/NLM) [E]"

<jeffrey.reznick@nih.gov>
Subject: The Toxicology Reference Book Collection

People,

I enter unfamiliar ground and apologize, but George Fonger and others are telling me of their concern about the imminent destruction (this Monday) of the Toxicology Reference Book Collection held by SIS which they believe should be preserved because the collection has both historical and quotidian pragmatic value with connections to HBCUs and Regional Medical Centers.

I claim no personal opinion about the value of these books but pass on these concerns today because their destruction is moments away, and I'd like to be sure their potential value has been fairly estimated.

Milt

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine
NIH

From: Corn, Milton (NIH/NLM) [E]
Sent: 20 Jun 2019 11:52:41 -0400
To: Thomas, Phillip (NIH/NLM) [E]
Bcc: Corn, Milton (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Phil,

I've contacted a number of people and asked for an explanation of what is happening to this collection and how the decision was reached. I'll let you know how things work out.

Milt Corn

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine
NIH

From: "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>
Date: Wednesday, June 19, 2019 at 11:38 AM
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Subject: SIS toxicology book collection

I understand my former colleague George Fonger spoke with you last week about the dispersal of toxicology interests here in SIS (to be merged with multiple parts of NLM) as of this coming Sunday. If you have any concerns he raised, I am available through my cell phone at: Personal Info Personal Info

My most urgent frustration is the plan to discard (I believe this means shred rather than find a home for) our toxicology reference collection on Monday. The collection contains hard to acquire books that have been collected over at least 30 years. As this division has worked with Historically Black Colleges and with Regional Medical Centers, I am sure with a little dedication something better than the current plan could be found.

As far as I can see with the Toxnet system, we are changing the essence of NLM from a place where researchers in biomedical interests find resources brought together into an institution which tells researchers to go elsewhere.

In any case, my group is gradually moving back to 38a in the coming months. Although I have been at NLM since 1997, I don't think we have met. George has always talked positively about you. If you are available for coffee someday, do let me know.

Phillip

Phillip Lee Thomas, Ph.D.
TOXNET System Administrator

From: Scott, Nicole (NIH/NLM) [E]
Sent: 20 Jun 2019 17:35:41 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: SIS Sunset Info
Attachments: Report_SIS Sunset 061319.docx

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

June 13, 2019

SIS Sunsetting Draft Message and Updates:

Draft Message in Process (Working on with Jerry) – SIS Organization Sunset

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued.

To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued.

We will be providing notice of these changes. Please know for the resources that are being discontinued the basic information will not be lost – some will be available on other NLM web pages and through partner websites.

Recommended communication tactics/distribution channels for the above message

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide advance notice of changes and where resources have moved/or can be accessed
- A follow-up Musings blog
- NLM News Announcement
- Technical Bulletin announcement
- Social media messaging
- E-Blast to appropriate audiences
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

Current SIS Offerings (9) Entered in the Sunset System

- TOXNET
- TOXNET Toxics Release Inventory (TRI)
- SIS K-12 Program
- Environmental Health Student Portal
- ChemSpell
- All Hazards Plan
- TOXLINE
- Arctic Health
- American Indian and Alaska Native Health Portal

Misc. info:

- Jerry, Nicole, Florence, Janice, and Jody met this week to review sunset plans and next steps and will be meeting again on June 24. As Florence and Janice are retiring, we have asked that they identify points of contacts for SIS sunset offerings
- Jody is working with Lisa Theisen (WIMS) on options for adding a SIS subpage to the NLM home page
- OCPL is working on the process and messaging around shutting down SIS social media assets
- OCPL is working on tailored messaging for K-12 and other specific audiences as the offerings are being discontinued

From: Nurik, Jody (NIH/NLM) [E]
Sent: 20 Jun 2019 18:08:08 +0000
To: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: FW: SIS sunsetting communication
Attachments: BORTalk_speech_final.docx

From: Chang, Florence (NIH/NLM) [E]
Sent: Wednesday, May 29, 2019 1:13 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: SIS sunsetting communication

Jody,

This is my BOR talk. I think there are messages in the talk that can be used for external communication.

Thanks! Talk to you at 4 pm today.

Florence

Patti announced in the Director's Report yesterday the organizational change that is taking place at NLM. My division, the specialized information services division, will be merged with other parts of NLM as a result of the reorganization. I am here today to bring you up to date on what will happen to SIS, the people, the projects, and the process. But first, I would like to give an overview from the historical perspective on SIS' contributions to NLM.

The 1960s were a decade of change. The 60s were also an era of growing environmental awareness. In 1962, Rachel Carson's book Silent Spring prompted the American public and the Congress to take action to protect the environment. In addition, the Amendment to the Federal Food, Drug, Cosmetic Act that required more toxicological testing on drugs led to a huge increase in publications. In 1966, a report by the President's Science Advisory Committee outlined issues related to the effects of hazardous chemicals on the environment and human health. The report suggested that the Department of Health, Education, and Welfare was the appropriate agency to develop an information program in this area. President Johnson accepted the recommendations, as a result, the National Library of Medicine was directed to establish the Toxicology Information Program.

Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies.

TOXLINE, the first online bibliographic system for toxicology, was developed in 1972 as a one-stop shop for toxicology information. During this period, CHEMLINE was also built as a chemical dictionary that contained chemical names and molecular structures. The first comprehensive factual database, Toxicology Data Bank, was released in 1978. This Data Bank later evolved into the Hazardous Substances Data Bank aka HSDB, a peer-reviewed database with a wide range of toxicology information.

In the early 1980s when the records of the factual toxicology databases became too large for the NLM ELHILL mainframe computer system, it was determined that a new system was needed. TOXNET was developed in 1985 and was a system of networked microcomputers used for database building, updates, and online searching.

By the end of 1980s, the SIS Toxicology Information Program was collaborating with many federal agencies. For example, the Agency for Toxic Substances and Disease Registry (aka ATSDR) provided substantial support for the HSDB. In addition, the Toxicology Information Program provided a public platform for online databases such as NIOSH' Registry of Toxic Effects of Chemical Substances (aka RTECS), and EPA's Toxics Release Inventory (TRI), and NCI's Chemical Carcinogenesis Research Information System (CCRIS).

Another notable SIS accomplishment for the 1980's was the release of the AIDS Clinical Trials Information Service (ACTIS). It was a collaborative effort with NIAID, and FDA in response to the HOPE Act in 1988. It was a needed service for the AIDS patients because most antiviral agents were still in the development stage. HIV-positive individual's access to potential treatments was only through clinical trials. AIDSTRIALS and AIDSDRUGS databases at NLM were the only way to get this information. The AIDSTRIALS later becomes the basis of Clinical Trials.gov. The AIDS Clinical Trials Information Service later becomes AIDSInfo, coordinated by NLM to provide access to the treatment guidelines. Today SIS manages the expanded AIDSinfo and coordinates NLM AIDS activities.

With the advent of the Internet, a web-based TOXNET was released in the late 1990s, following the footstep of NLM's Internet Grateful Med.

The Toxicology Information Program was rebranded as Toxicology and Environmental Health information Program with a new focus on environmental health information in response to the 1993 NLM Long Range Plan recommendation.

The Office of Outreach to Special Populations started in 2000 in response to the creation of the NIH National Center on Minority Health and Health Disparities and the beginning of the environmental justice movement. At that time, because SIS was already working in HIV/AIDS information services and HIV/AIDS community outreach that involved minority populations, and had information resources to address environmental justice questions, NLM placed the responsibility for outreach to minority populations in SIS.

One of our early outreach projects was the development of the Toxicology Information Outreach project (today known as Environmental Health Information Partnership or EnHIP.) This program recognized that minority communities were disproportionately exposed to toxic emissions and hazardous materials causing adverse health effects for the citizens within these communities. Outreach efforts with partnering Historically black colleges and universities and minority serving institutions around use of SIS resources were helpful in bringing attention to these environmental and health disparities issues. Another ongoing outreach activity is providing training on NLM information resources to the minority health professionals.

One of the questions we frequently get asked, was what's NLM's business in emergency response? Actually, our role in responding to chemical emergencies started way back in the 1980s. NLM's TIP, with ATSDR, built a portable microcomputer-based workstation, that provided information assistance to emergency response teams working on accidents involving hazardous chemicals. One of the recommendations from the 1993 NLM Long Range plan was that NLM should work with ATSDR, EPA, CDC, and other organizations with responsibility for emergency preparedness and response, and NLM should continue its research to improve access to information helpful for these organizations in managing emergencies such as chemical spills.

Early in the 2000's ATSDR reached out to SIS to make a case for developing a tool that puts HSDB on hand-held devices for the emergency HAZMAT responders. Subsequently in 2005, the Wireless Information System for Emergency Responders (WISER) was released. Since then, WISER has moved from Palm Pilot to iOS and Android platforms. With millions of downloads it has been one of the favorite mobile apps for the HAZMAT/emergency responder community.

With the memory of 911 and Katrina still fresh in our mind, NLM's role in disaster and public health emergency response was solidified in the 2006 NLM Long Range Plan: Charting the Course for the 21st Century: NLMs Long Range Plan 2006 to 2016. It called for NLM to ensure continuous access to health information and effective use of libraries and librarians when disasters occur and to establish a Disaster Information Management Research Center to make a strong commitment to disaster remediation and to provide a platform for demonstrating how libraries and librarians can be part of the solution. It also called for the Center to maintain close collaboration with appropriate federal agencies and initiatives and to operate across NLM. All NLM divisions have participated in a variety of disaster management activities, coordinated by SIS, which houses the Disaster center.

Originally, the target audiences for our toxicology information services were the researchers and professionals, SIS focused on expanding its audience base to the public in the past 10 years. Several consumer level resources were developed. For example, ToxTown provides consumer-level non-technical information about connections between chemicals, the environment, and the public's health. Since children are a special population, we also developed resources for the K-12 audience, such as the ToxMystery, Environmental Student Portal, and GeneEd.

In the past 52 years since the inception of SIS, we have accomplished a great deal, contributed to the health of the nation in many distinct and meaningful ways. We are an arm of NLM that are quick to respond to the needs of the communities. I want to acknowledge the SIS leadership and staff throughout the years, for their dedication and commitment.

As we step into the new era of data-driven discovery, NLM is transitioning to a new organizational structure that enables us to make the best use of our talents and resources. We are currently at Phase one of the plan, which focuses on consolidating NLM staff and related programs into a smaller number of divisions and offices to improve efficiency and our overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for our curation teams and a universal infrastructure for our technical teams, ensuring the integrity and sustainability of our key products and creating a common technical platform for delivering products and services.

With the reorganization, our Division, SIS, will be incorporated into other parts of NLM. SIS staff who are responsible for Outreach, Toxicology/environmental health content curation, and disaster information will be reassigned to Library Operations. The staff that provide technical support will move

to the Office of Computer and Communications Systems. Some staff will maintain their current responsibilities, others will take on new responsibilities. We plan to complete the transition by the end of June.

The important aspects of SIS will continue to be supported by NLM. All key products and services are currently being evaluated. Some will continue, others will be discontinued, and some will be integrated with other NLM products.

Here are some key considerations when we evaluate the products, services, or offerings:

- First of all, NLM should consolidate information into a few platforms for improved user experience, discoverability, and efficiency
- Priority are given to resources that are unique, high quality, and that are highly connected to NLM offerings, or clearly contribute to furthering the strategic plan
- In addition, NLM is committed to support key offerings in toxicology and environmental health
- Consider Sunsetting an offering if a sufficiently-equivalent offering is available from another agency or organization
    - For example, NLM has provided the public search interface for EPA's Toxics Release Inventory since 1985. But over the years EPA has developed its own tools for exploring this data. NLM should discontinue the version on TOXNET.
- Similarly, consider sunsetting offerings that don't have a clear sustainability or succession plan
- And consider sunsetting offerings that have low or declining use
- Furthermore, consider the cost to sustain and upgrade
- And finally, NLM shouldn't be a web provider for another agency/entity just because they pay

Next, I would like to use TOXNET as an example of integration that we have been working on.

TOXNET is SIS' major information system. It consists of a group of databases covering chemicals and drugs, toxicology, and environmental health. Among these are ChemIDplus, Hazardous Substances Data Bank, and TOXLINE, the three most accessed TOXNET databases. The latest version of the TOXNET search system is optimized for chemical searching, it is stable and performs well. But the TOXNET search engine is long overdue for a technology refresh. So, in the spirit of "One NLM", instead of developing a new search system, we have chosen to integrate TOXNET with the existing NCBI products.

Of all the NCBI information products, PubChem is probably the one most similar to the TOXNET chemical databases.

PubChem has already incorporated almost all of the ChemIDplus data and more than 90% of the information from the Hazardous Substances Data Bank.

In addition, PubMed is the major source of new data for our bibliographic databases such as TOXLINE.

Furthermore, the NCBI Bookshelf already has a large collection of digitized toxicology and chemical books and documents. Having NCBI support the next generation TOXNET seems like a natural evolution.

We envision the functions for the future TOXNET as being separated into content creation and content delivery.

The SIS team of toxicologists and chemists will continue with content creation – to enhance the content, and expand the collection.

The TOXNET data will be part of the PubMed, PubChem and NCBI Bookshelf. The web search interface and API of the new TOXNET will be delivered by these NCBI platforms.

We anticipate major benefits of this integration, many of which align with the goals and objectives of the new NLM strategic plan:

1. First, NLM will have a newer, more robust technology platform to support TOXNET
2. Secondly, We can look forward to an expansion of the TOXNET user base
3. Most importantly, with fully developed APIs and better curation procedures, we anticipate that new TOXNET data will be machine-readable and thus be suitable for machine learning and predictive modeling to advance scientific discovery

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The leadership from SIS, Library Operations, OCCS (Office of Computer and Communications Systems), NCBI, and Dr. Brennan have been working together in the past few months to evaluate SIS programs, considering what can be continued, or discontinued.

In this SIS Offering diagram, the inner ring of the donut shows the major SIS programs. The outer ring of the donut are offerings grouped under each program. The size of the area correlates with the cost of the offerings. [Explain the diagram, starting from the bottom right, the toxicology program, AIDS, public health or disaster information, and special population outreach]

In this next view of the diagram, the results of the first phase of program evaluation are shown here by using the different colors to represent the status of the offerings.

Red color represents sunset, green represents continue and yellow represents further evaluation required by focused working groups. Purple represents offerings that will be integrated with other NLM offerings, or programs that will be consolidated. For example, TOXNET and HSDB will be integrated with NCBI's platforms. Special population and AIDS outreach will be consolidated into the new NLM Home for Outreach.

As we sunset SIS offerings, we need to make sure there is a well-planned communication strategy. We are working closely with NLM OCPL (Office of Communication and Public Liaison) to establish a sunset protocol to help us to communicate with stakeholders and end users through the various communication channels.

To summarize, SIS' accomplishment spanned over 52 years from 1967 – 2019. The major program areas include toxicology and environmental health, outreach to special populations, AIDS/HIV, and disaster and public health information services.

The latest NLM Strategic Plan called for a more efficient organizational structure. The Division of SIS will be merged with other parts of NLM. The staff working in toxicology/environmental health, disaster information, and outreach will be reassigned to the Library Operations, the staff who provide technical support will be reassigned to the Office of Computer and Communications Systems.

All Key SIS offerings are under review. Some will continue, others will be discontinued, and some will be integrated with other NLM products. Our flagship offering, the TOXNET, was an example of integration into the NCBI platforms.

I would like to conclude this presentation by saying, it has not been easy to retire a division that has been around for over 50 years. We grieve over the closing of our division, but in the meantime, we shall put our hope in the future. I want to thank the staff at SIS for carrying out the incredible work they have been doing despite uncertainty during the time of the transition.

From: Nurik, Jody (NIH/NLM) [E]
Sent: 20 Jun 2019 18:32:38 +0000
To: Scott, Nicole (NIH/NLM) [E]
Subject: SIS messaging
Attachments: SIS messaging draftsjune_20_2019.docx

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

June 20, 2019

OVERALL SIS SUNSET MESSAGE

To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes.

Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared.

For questions about the location of SIS resources please email custserv@nlm.nih.gov.

TALKING POINTS FOR DR. TABAK

Original purpose: Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies.

Why no longer needed: Some SIS resources have experienced low usage and/or are obsolete; no longer align with NLM priorities or organizational needs; and/or the cost to maintain the resource is greater than the value. In assessing the SIS division as its own entity, it was determined the program no longer aligns with the NLM Strategic Plan which called for a more efficient organizational structure.

Critical issues: Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into the NLM National Center for Bioinformatics.

SIS Sunsetting Draft Message and Updates:

Draft Message in Process (Working on with Jerry) – SIS Organization Sunset

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued.

To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

We will be providing notice of these changes. Please know for the resources that are being discontinued the basic information will not be lost – some will be available on other NLM web pages and through partner websites.

Recommended communication tactics/distribution channels for the above message

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide advance notice of changes and where resources have moved/or can be accessed
- A follow-up Musings blog
- NLM News Announcement
- Technical Bulletin announcement
- Social media messaging
- E-Blast to appropriate audiences
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

Current SIS Offerings (9) Entered in the Sunset System

- TOXNET
- TOXNET Toxics Release Inventory (TRI)
- SIS K-12 Program
- Environmental Health Student Portal
- ChemSpell
- All Hazards Plan
- TOXLINE
- Arctic Health
- American Indian and Alaska Native Health Portal

Misc. info:

- Jerry, Nicole, Florence, Janice, and Jody met this week to review sunset plans and next steps and will be meeting again on June 24. As Florence and Janice are retiring, we have asked that they identify points of contacts for SIS sunset offerings
- Jody is working with Lisa Theisen (WIMS) on options for adding a SIS subpage to the NLM home page
- OCPL is working on the process and messaging around shutting down SIS social media assets

- OCPL is working on tailored messaging for K-12 and other specific audiences as the offerings are being discontinued

From: Nurik, Jody (NIH/NLM) [E]
Sent: 20 Jun 2019 18:53:57 +0000
To: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: Version 2 - Thanks for all your help! Great working with you. :-)
Attachments: SIS messaging draftsjune_20_2019V2.docx

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

June 20, 2019

OVERALL SIS SUNSET MESSAGE (use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes.

Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov.

For questions about the location of SIS resources please email custserv@nlm.nih.gov.

TALKING POINTS FOR DR. TABAK

Original purpose: Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies.

Why no longer needed: Some SIS resources have experienced low usage and/or are obsolete; no longer align with NLM priorities or organizational needs; and/or the cost to maintain the resource is greater than the value. In assessing the SIS division as its own entity, it was determined the program no longer aligns with the NLM Strategic Plan which called for a more efficient organizational structure.

Critical issues: Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into the NLM National Center for Bioinformatics.

SIS Web Page

Body of the Page

To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for

engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes.

Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared.

For questions about the location of SIS resources please email custserv@nlm.nih.gov.

Links to Resources

-

Recommended communication tactics/distribution channels for the above message

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide advance notice of changes and where resources have moved/or can be accessed - JODY
- A follow-up Musings blog - PATTI
- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging - GRACE
- E-Blast to appropriate audiences
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: Middleton, Grace (NIH/NLM) [C]
Sent: 21 Jun 2019 15:04:42 +0000
To: Scott, Nicole (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062019_GM.docx

Jody and Nicole,

Happy Friday! I added the email announcement from Dr. Brennan and social media messaging options to the table for your review and consideration. I also added a note to the table for each of the channels that will use the message at the front of the table, so it didn't appear incomplete. Please let me know if you would like me to edit or update anything,

Thanks!
Grace

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, June 20, 2019 5:20 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Hi Jody and Grace,

I attached the SIS sunset communication and distribution plan we developed today. Hopefully I caught all the details!

Regards,
Nicole

Division of Specialized Information Services (SIS)
Sunset Communication Messages and Distribution Plan

General SIS Sunset Message
(Use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes.

Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov.

For questions about the location of SIS resources please email custserv@nlm.nih.gov.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Tabak/Dr. Collins	**Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies.	Wednesday, 6/26

	Why no longer needed: Some SIS resources have experienced low usage and/or are obsolete; no longer align with NLM priorities or organizational needs and/or the cost to maintain the resource is greater than the value. In assessing the SIS division as its own entity, it was determined the program no longer aligns with the NLM Strategic Plan which called for a more efficient organizational structure. **Critical issues:** Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into the NLM National Center for Bioinformatics.	
NLM News Announcement	See message above the table	Friday, 6/28
NLM Broadcast Email from Dr. Brennan	Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's 2017 Strategic Plan. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st the Specialized Information Services (SIS) division will have been integrated into other parts of the Library. This integration will improve discoverability and access to resources for engaging with broader audiences and enables NLM to better leverage its talents and resources. With a long and important history, SIS has provided more than 50 years of service. Founded in response to the urgent need for a coordinated, complete, computer-based file of toxicological information in 1966, it grew over time to become what we know now at TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. Our new organizational structure strives to create a more collaborative environment for its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS offerings and a common technical platform	Friday, 6/28

	for delivering products and services. The SIS homepage (https://sis.nlm.nih.gov) has been updated to alert users of these changes, as well as to direct them to resources and offerings relocated to other NLM webpages or to partner websites. With this transition, we also acknowledge two outstanding NLM leaders as they retir Florance Chang, Acting Associate Director and Janice Kelly, Acting Deputy Associate Director. They, along with their outstanding teams, have dedicated their careers to t health of the nation and a strong and trusted NLM. I hope you will join me in thankin them for their service and wishing them well as they take on new ventures. While change can be difficult, it most often leads to the greatest triumphs. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research. Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on NLM Home Page		Friday, 6/28 (live)
Message on SIS Home Page	***Body of the Page*** To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes.	Friday, 6/28 (live)

	Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared. For questions about the location of SIS resources please email custserv@nlm.nih.gov ***Links to Resources*** • TBD • TBD	
Technical Bulletin Announcement	See message above the table.	Ask Joyce Backus
Social Media Messaging re: Shutdown	• SIS has transitioned to other parts of the National Library of Medicine's branches for greater efficiency & efficiency. Please follow @NLM_News to say updated! • The @NLM_SIS account is being transferred to @NLM_News. Please follow them to stay up to date! • Please follow @NLM_News to stay up to date on our services. This account has been transitioned to the main NLM account. Thank you! • For all the latest information on our projects and resources, please follow @NLM_News. This account will no longer be providing updates.	Monday, 7/1
Follow-Up Musings Blog		Tuesday, 7/23

Recommended communication tactics/distribution channels for the above messages

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide notice of changes and where resources have moved/or can be accessed - JODY
- A follow-up Musings Blog - PATTI
- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging - GRACE
- E-Blast to appropriate audiences
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: Nurik, Jody (NIH/NLM) [E]
Sent: 21 Jun 2019 15:12:57 +0000
To: Kelly, Janice (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

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And for twitter is just @NLM_SIS

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Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

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The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

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Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

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Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

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Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

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Janice,
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You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

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Hi Siobhan,
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Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

From: Chang, Florence (NIH/NLM) [E]
Sent: 21 Jun 2019 15:22:42 +0000
To: Nurik, Jody (NIH/NLM) [E];Kelly, Janice (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

If you put the message where the tagline is, we can ask Vivian Chung to edit the page in Teamsite. Any fancier web layout or changes that requires coding or style sheet modification, it would be more difficult. We will have to find someone in OCCS who can do that for us.

The red arrow points to the current tagline on the page:

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:13 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.

- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>

Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
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Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894

Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

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In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

From: Nurik, Jody (NIH/NLM) [E]
Sent: 21 Jun 2019 15:23:19 +0000
To: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E]
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062019_GMJN.docx

This is awesome! Please see my comments…

From: Middleton, Grace (NIH/NLM) [C]
Sent: Friday, June 21, 2019 11:05 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Jody and Nicole,

Happy Friday! I added the email announcement from Dr. Brennan and social media messaging options to the table for your review and consideration. I also added a note to the table for each of the channels that will use the message at the front of the table, so it didn't appear incomplete. Please let me know if you would like me to edit or update anything,

Thanks!
Grace

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, June 20, 2019 5:20 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Hi Jody and Grace,

I attached the SIS sunset communication and distribution plan we developed today. Hopefully I caught all the details!

Regards,
Nicole

Division of Specialized Information Services (SIS)
Sunset Communication Messages and Distribution Plan

Comment [NJ([]: This is GREAT!

General SIS Sunset Message

(Use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes.

Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov.

For questions about the location of SIS resources please email custserv@nlm.nih.gov.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Tabak/Dr. Collins	**Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies.	Wednesday, 6/26

	Why no longer needed: Some SIS resources have experienced low usage and/or are obsolete; no longer align with NLM priorities or organizational needs and/or the cost to maintain the resource is greater than the value. In assessing the SIS division as its own entity, it was determined the program no longer aligns with the NLM Strategic Plan which called for a more efficient organizational structure. **Critical issues:** Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into the NLM National Center for Bioinformatics.	
NLM News Announcement	To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov. For questions about the location of SIS resources please email custserv@nlm.nih.gov	Friday, 6/28
NLM Broadcast Email from Dr. Brennan	Dear Colleagues: We have been working diligently to align our organizational structure and offerings	Friday, 6/28

with the National Library of Medicine's 2017 Strategic Plan. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st the Specialized Information Services (SIS) division will have been integrated into othe parts of the Library. This integration will improve discoverability and access to resources for engaging with broader audiences and enables NLM to better leverage i talents and resources.

With a long and important history, SIS has provided more than 50 years of service. Founded in response to the urgent need for a coordinated, complete, computer-base file of toxicological information in 1966, it grew over time to become what we know now at TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS offerings and a common technical platform for delivering products and services. The SIS homepage (https://sis.nlm.nih.gov) has been updated to alert users of these changes, as well as to direct them to resources and offerings relocated to other NLM webpages or to partner websites.

With this transition, we also acknowledge two outstanding NLM leaders as they retir Florance Chang, Acting Associate Director and Janice Kelly, Acting Deputy Associate Director. They, along with their outstanding teams, have dedicated their careers to t health of the nation and a strong and trusted NLM. I hope you will join me in thankin them for their service and wishing them well as they take on new ventures.

While change can be difficult, it most often leads to the greatest triumphs. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

	Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on NLM Home Page		Friday, 6/28 (live)
Message on SIS Home Page	***Body of the Page*** To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared. For questions about the location of SIS resources please email custserv@nlm.nih.gov ***Links to Resources*** • TBD • TBD	Friday, 6/28 (live)
Technical Bulletin Announcement	To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. Over the next few months, some of the SIS resources and systems will transition to	Ask Joyce Backus

Comment [NJ([]: We will need to check with Lisa Thiesen on the timing for this. Any thoughts on what should be included?

Comment [NJ([]: I have a mockup that I can scan and add as a last page to this document.

	other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov. (Depending on when this goes out, we can add specific links where the information/resource is located in addition to the SIS homepage link) For questions about the location of SIS resources please email custserv@nlm.nih.gov	
Social Media Messaging re: Shutdown	• SIS has transitioned to other parts of the National Library of Medicine's branches for greater efficiency & efficiency. Please follow @NLM_News to say updated! • The @NLM_SIS account is being transferred to @NLM_News. Please follow them to stay up to date! • Please follow @NLM_News to stay up to date on our services. This account has been transitioned to the main NLM account. Thank you! • For all the latest information on our projects and resources, please follow @NLM_News. This account will no longer be providing updates.	Monday, 7/1
Follow-Up Musings Blog	OCPL will work with Patti on this	Tuesday, 7/23

Comment [NJ([]: Do we want to provide a date when the accounts will be retired?

Revised: June 20, 2019

Recommended communication tactics/distribution channels for the above messages

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide notice of changes and where resources have moved/or can be accessed – JODY- MOCKUP DONE
- A follow-up Musings Blog - PATTI
- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging – GRACE - DONE
- E-Blast to appropriate audiences – ANY APPROPRIATE TO SEND THE SIS DIVISION SUNSETTING TO?

- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE - DONE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: Chang, Florence (NIH/NLM) [E]
Sent: 21 Jun 2019 15:30:18 +0000
To: Nurik, Jody (NIH/NLM) [E];Kelly, Janice (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,

Could you share with us the mockup when it is ready? I can probably tell whether it can be done by Vivian or it require help from Winston Churchill (OCCS support).

Thanks!

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:24 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Florence. Since we talked about using the body of the page to add a message and links to where the resources/information can be found – you may need OCCS support.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

If you put the message where the tagline is, we can ask Vivian Chung to edit the page in Teamsite. Any fancier web layout or changes that requires coding or style sheet modification, it would be more difficult. We will have to find someone in OCCS who can do that for us.

The red arrow points to the current tagline on the page:

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:13 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*

- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole

(NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest

NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds

TOXMAP News

Twitter

@NLM_HIV – NLM HIV/AIDS Information

@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

From: Middleton, Grace (NIH/NLM) [C]
Sent: 21 Jun 2019 15:47:39 +0000
To: Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E]
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062019_GMJN.docx

Thanks, Jody. I responded to a few of the comments within the document and made edits to minor typos I caught…

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

This is awesome! Please see my comments…

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To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Jody and Nicole,

Happy Friday! I added the email announcement from Dr. Brennan and social media messaging options to the table for your review and consideration. I also added a note to the table for each of the channels that will use the message at the front of the table, so it didn't appear incomplete. Please let me know if you would like me to edit or update anything,

Thanks!
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To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
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Hi Jody and Grace,

I attached the SIS sunset communication and distribution plan we developed today. Hopefully I caught all the details!

Regards,
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Division of Specialized Information Services (SIS)
Sunset Communication Messages and Distribution Plan

Comment [NJ([]: This is GREAT!

General SIS Sunset Message

(Use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

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For questions about the location of SIS resources please email custserv@nlm.nih.gov.

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	Why no longer needed: Some SIS resources have experienced low usage and/or are obsolete; no longer align with NLM priorities or organizational needs and/or the cost to maintain the resource is greater than the value. In assessing the SIS division as its own entity, it was determined the program no longer aligns with the NLM Strategic Plan which called for a more efficient organizational structure. **Critical issues:** Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into the NLM National Center for Bioinformatics.	
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NLM Broadcast Email from Dr. Brennan	Dear Colleagues: We have been working diligently to align our organizational structure and offerings	Friday, 6/28

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With a long and important history, SIS has provided more than 50 years of service. Founded in response to the urgent need for a coordinated, complete, computer-base file of toxicological information in 1966, it grew over time to become what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS offerings and a common technical platform for delivering products and services. The SIS homepage (https://sis.nlm.nih.gov) has been updated to alert users of these changes, as well as to direct them to resources and offerings relocated to other NLM webpages or to partner websites.

With this transition, we also acknowledge two outstanding NLM leaders as they retir Florance Chang, Acting Associate Director and Janice Kelly, Acting Deputy Associate Director. They, along with their outstanding teams, have dedicated their careers to t health of the nation and a strong and trusted NLM. I hope you will join me in thankin them for their service and wishing them well as they take on new ventures.

While change can be difficult, it most often leads to the greatest triumphs. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

	Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
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Comment [MG([]: It will depend on the space/real estate we have available…I wasn't sure about this one. My suggestion would be to pull from the maid SIS homepage language, cutting it down to fit…?

Comment [NJ([]: I have a mockup that I can scan and add as a last page to this document.

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Comment [NJ([]: Do we want to provide a date when the accounts will be retired?

Comment [MG([]: Yes, we can add that once we have a set date.

Revised: June 20, 2019

Recommended communication tactics/distribution channels for the above messages

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These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

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Revised: June 20, 2019

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Please see updated version – noting the first new comment box. I am scanning the SIS homepage mockup and will send it next.

Thanks,
Jody

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 2:34 PM
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Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Can you plan to attend the first part of my 1:1 meeting with Jerry on Monday at 3pm to review this table and recommendations? I plan to send the latest draft to Jerry today. Also, I will send you over the SIS home page mockup in a few – would like to get it to Florence today.

Thanks,
Jody

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(IF YOU AGREE WITH THIS EDIT – CAN SOMEONE GO IN AND MAKE THE CHANGES THROUGHOUT THE DOCUMENT?) Thanks.

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Our new organizational structure strives to create a more collaborative environment for its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS offerings and a common technical platform for delivering products and services. The SIS homepage (https://sis.nlm.nih.gov) has been updated to alert users of these changes, as well as to direct them to resources and offerings relocated to other NLM webpages or to partner websites.

With this transition, we also acknowledge two outstanding NLM leaders as they retir Florance Chang, Acting Associate Director and Janice Kelly, Acting Deputy Associate Director. They, along with their outstanding teams, have dedicated their careers to t health of the nation and a strong and trusted NLM. I hope you will join me in thankin them for their service and wishing them well as they take on new ventures.

While change can be difficult, it most often leads to the greatest triumphs. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

	Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on NLM Home Page		Friday, 6/28 (live)
Message on SIS Home Page	***Body of the Page*** To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared. For questions about the location of SIS resources please email custserv@nlm.nih.gov ***Links to Resources*** • TBD • TBD	Friday, 6/28 (live)
Technical Bulletin Announcement	To align with the National Library of Medicine's 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. Over the next few months, some of the SIS resources and systems will transition to	Friday, 6/28?

	other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov. (Depending on when this goes out, we can add specific links where the information/resource is located in addition to the SIS homepage link) For questions about the location of SIS resources please email custserv@nlm.nih.gov	
Social Media Messaging re: Shutdown	• SIS has transitioned to other parts of the National Library of Medicine for greater efficiency & efficiency. Please follow @NLM_News to say updated! • The @NLM_SIS account is being transferred to @NLM_News. Please follow them to stay up to date! • Please follow @NLM_News to stay up to date on our services. This account has been transitioned to the main NLM account. Thank you! • For all the latest information on our projects and resources, please follow @NLM_News. This account will no longer be providing updates.	Monday, 7/1
Follow-Up Musings Blog	OCPL will work with Patti on this	Tuesday, 7/23

Comment [NJ([]: Might consider adding a date when the account will be shutdown.

Revised: June 20, 2019

Recommended communication tactics/distribution channels for the above messages

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide notice of changes and where resources have moved/or can be accessed – JODY- MOCKUP DONE
- A follow-up Musings Blog - PATTI
- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging – GRACE - DONE
- E-Blast to appropriate audiences – ANY APPROPRIATE TO SEND THE SIS DIVISION SUNSETTING TO?
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE - DONE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: Middleton, Grace (NIH/NLM) [C]
Sent: 21 Jun 2019 19:39:18 +0000
To: Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E]
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062019_V2docx.docx

I made the edits throughout the document. I can join the meeting on Monday.

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 3:04 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Please see updated version – noting the first new comment box. I am scanning the SIS homepage mockup and will send it next.

Thanks,
Jody

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 2:34 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Can you plan to attend the first part of my 1:1 meeting with Jerry on Monday at 3pm to review this table and recommendations? I plan to send the latest draft to Jerry today. Also, I will send you over the SIS home page mockup in a few – would like to get it to Florence today.

Thanks,
Jody

From: Scott, Nicole (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:52 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Added comments.

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

This is awesome! Please see my comments…

From: Middleton, Grace (NIH/NLM) [C]
Sent: Friday, June 21, 2019 11:05 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Jody and Nicole,

Happy Friday! I added the email announcement from Dr. Brennan and social media messaging options to the table for your review and consideration. I also added a note to the table for each of the channels that will use the message at the front of the table, so it didn't appear incomplete. Please let me know if you would like me to edit or update anything,

Thanks!
Grace

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, June 20, 2019 5:20 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: SIS Sunset-Communication Messages & Distribution Plan (6/20) Draft

Hi Jody and Grace,

I attached the SIS sunset communication and distribution plan we developed today. Hopefully I caught all the details!

Regards,
Nicole

Division of Specialized Information Services (SIS)
Sunset Communication Messages and Distribution Plan

General SIS Sunset Message
(Use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes.

Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov.

For questions about the location of SIS resources please email custserv@nlm.nih.gov.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Tabak/Dr. Collins	**Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies.	Wednesday, 6/26

	Why no longer needed: Some SIS resources have experienced low usage and/or are obsolete; no longer align with NLM priorities or organizational needs and/or the cost to maintain the resource is greater than the value. In assessing the SIS division as its own entity, it was determined the program no longer aligns with the NLM Strategic Plan which called for a more efficient organizational structure. **Critical issues:** Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into the NLM National Center for Bioinformatics.	
NLM News Announcement	To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of th Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. . Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov. For questions about the location of SIS resources please email custserv@nlm.nih.gov	Friday, 6/28
NLM Broadcast Email from Dr. Brennan	Dear Colleagues:	Friday, 6/28

We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's 2017 Strategic Plan. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1s the Specialized Information Services (SIS) division will have been integrated into othe parts of the Library. This integration will improve discoverability and access to resources for engaging with broader audiences and enables NLM to better leverage i talents and resources.

With a long and important history, SIS has provided more than 50 years of service. Founded in response to the urgent need for a coordinated, complete, computer-base file of toxicological information in 1966, it grew over time to become what we know now at TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS offerings and a common technical platform for delivering products and services. The SIS homepage (https://sis.nlm.nih.gov) has been updated to alert users of these changes, as well as to direct them to resources and offerings relocated to other NLM webpages or to partner websites.

With this transition, we also acknowledge two outstanding NLM leaders as they retir Florance Chang, Acting Associate Director and Janice Kelly, Acting Deputy Associate Director. They, along with their outstanding teams, have dedicated their careers to t health of the nation and a strong and trusted NLM. I hope you will join me in thankin them for their service and wishing them well as they take on new ventures.

While change can be difficult, it most often leads to the greatest triumphs. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

	Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on NLM Home Page		Friday, 6/28 (live)
Message on SIS Home Page	***Body of the Page*** To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared. For questions about the location of SIS resources please email custserv@nlm.nih.gov ***Links to Resources*** • TBD • TBD	Friday, 6/28 (live)
Technical Bulletin Announcement	To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.	Friday, 6/28?

	Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov. (Depending on when this goes out, we can add specific links where the information/resource is located in addition to the SIS homepage link) For questions about the location of SIS resources please email custserv@nlm.nih.gov	
Social Media Messaging re: Shutdown	• SIS has transitioned to other parts of the National Library of Medicine for greater efficiency & efficiency. Please follow @NLM_News to say updated! • The @NLM_SIS account is being transferred to @NLM_News. Please follow them to stay up to date! • Please follow @NLM_News to stay up to date on our services. This account has been transitioned to the main NLM account. Thank you! • For all the latest information on our projects and resources, please follow @NLM_News. This account will no longer be providing updates.	Monday, 7/1
Follow-Up Musings Blog	OCPL will work with Patti on this	Tuesday, 7/23

Comment [NJ([]: Might consider adding a date when the account will be shutdown.

Revised: June 20, 2019

Recommended communication tactics/distribution channels for the above messages

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide notice of changes and where resources have moved/or can be accessed – JODY- MOCKUP DONE
- A follow-up Musings Blog - PATTI
- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging – GRACE - DONE
- E-Blast to appropriate audiences – ANY APPROPRIATE TO SEND THE SIS DIVISION SUNSETTING TO?

- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE - DONE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: Nurik, Jody (NIH/NLM) [E]
Sent: 21 Jun 2019 19:54:38 +0000
To: Chang, Florence (NIH/NLM) [E];Kelly, Janice (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: scan.pdf

Hi Florence,

We are working on recommended final language but wanted to send you this handwritten **draft** mockup – my guess is that the changes will require some OCCS support.

Have a nice weekend,

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:30 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,

Could you share with us the mockup when it is ready? I can probably tell whether it can be done by Vivian or it require help from Winston Churchill (OCCS support).

Thanks!

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:24 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Florence. Since we talked about using the body of the page to add a message and links to where the resources/information can be found – you may need OCCS support.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

If you put the message where the tagline is, we can ask Vivian Chung to edit the page in Teamsite. Any fancier web layout or changes that requires coding or style sheet modification, it would be more difficult. We will have to find someone in OCCS who can do that for us.

The red arrow points to the current tagline on the page:

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:13 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C]

<grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody*

advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed.

- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM

To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH

National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE

NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE

NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds

TOXMAP News COLETTE

Twitter

@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN

@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
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News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

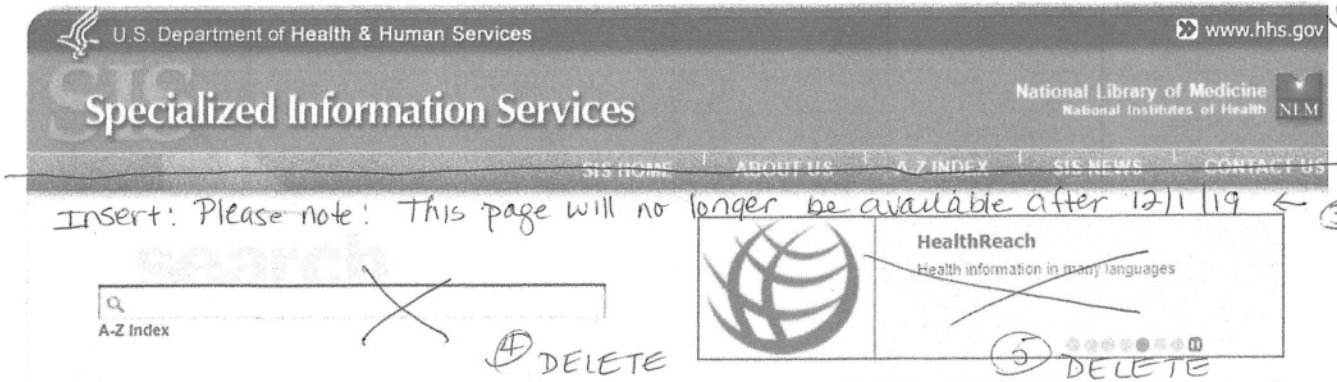
Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

6/21 SIS Homepage Mockup Draft 1



① Consider updating logos

② DELETE

Insert: Please note: This page will no longer be available after 12/1/19 ③

④ DELETE

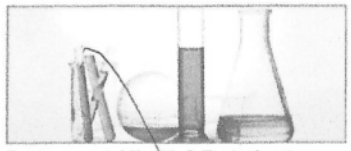
⑤ DELETE

⑥ Insert: To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has integrated the Specialized Information Services (SIS) Division into other parts of the organization.

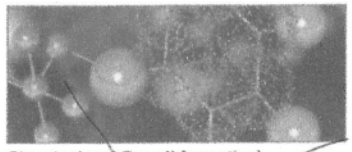
Over the next ~~few~~ few months, some of the SIS resources and systems will transition into other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued.

Please come back to this page for updates.

TOXICOLOGY, ENVIRONMENTAL HEALTH, CHEMISTRY, HIV/AIDS, DISASTER HEALTH, AND TOPICS RELEVANT TO SPECIFIC POPULATIONS

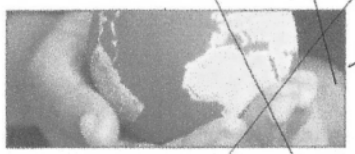


Environmental Health & Toxicology
Databases and other resources related to toxicology and environmental health
Features TOXNET



Chemical and Drug Information
Resources about chemical names, structures, and drugs
Features ChemIDplus Lite and Advanced

HIV/AIDS
Journal literature, clinical trials and treatment information, meeting abstracts, and related resources



Outreach Activities & Resources
Programs and resources for K-12 science education, minority and other specific populations

Disaster Information Management Research Center
Information resources and tools for disaster preparedness, response and recovery

K-12 Science and Health Education
Free, reliable resources to help introduce, reinforce, and supplement education programs

⑦ For questions about the location of SIS resources please contact custserv@nlm.nih.gov

Connect with Us Facebook Twitter Mobile RSS

Last updated: 23 January 2018
First published: 12 April 2006
NLM Customer Support

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U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Health & Human Services

⑦ Below are ~~#~~ links for SIS resources and systems that have transitioned.

Put name links	Put name + links

or keep images as they are and put links underneath if spacing permits.

From: Nurik, Jody (NIH/NLM) [E]
Sent: 21 Jun 2019 19:58:52 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E]
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062019_V2adocx.docx

Hi Jerry,

I have attached a draft SIS division sunset communication messaging and distribution plan. I have asked Nicole and Grace to come to the start of our 1:1 meeting on Monday at 3pm as the three of us having been working on the plan. We thought it was important to get this piece finalized before moving on to specific SIS offering communications.

Have a good weekend and look forward to seeing you on Monday,

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:30 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,

Could you share with us the mockup when it is ready? I can probably tell whether it can be done by Vivian or it require help from Winston Churchill (OCCS support).

Thanks!

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:24 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Florence. Since we talked about using the body of the page to add a message and links to where the resources/information can be found – you may need OCCS support.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

If you put the message where the tagline is, we can ask Vivian Chung to edit the page in Teamsite. Any fancier web layout or changes that requires coding or style sheet modification, it would be more difficult. We will have to find someone in OCCS who can do that for us.

The red arrow points to the current tagline on the page:

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:13 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C]

<grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody*

advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed.

- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM

To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH

National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

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Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

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Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

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K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE

NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE

NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds

TOXMAP News COLETTE

Twitter

@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN

@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

Division of Specialized Information Services (SIS)
Sunset Communication Messages and Distribution Plan

General SIS Sunset Message
(Use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.

Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes.

Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov.

For questions about the location of SIS resources please email custserv@nlm.nih.gov.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Tabak/Dr. Collins	**Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies.	Wednesday, 6/26

	Why no longer needed: Some SIS resources have experienced low usage and/or are obsolete; no longer align with NLM priorities or organizational needs and/or the cost to maintain the resource is greater than the value. In assessing the SIS division as its own entity, it was determined the program no longer aligns with the NLM Strategic Plan which called for a more efficient organizational structure. **Critical issues:** Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into the NLM National Center for Bioinformatics.	
NLM News Announcement	To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of th Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. . Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov. For questions about the location of SIS resources please email custserv@nlm.nih.gov	Friday, 6/28
NLM Broadcast Email from Dr. Brennan	Dear Colleagues:	Friday, 6/28

We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's 2017 Strategic Plan. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1s the Specialized Information Services (SIS) division will have been integrated into othe parts of the Library. This integration will improve discoverability and access to resources for engaging with broader audiences and enables NLM to better leverage i talents and resources.

With a long and important history, SIS has provided more than 50 years of service. Founded in response to the urgent need for a coordinated, complete, computer-base file of toxicological information in 1966, it grew over time to become what we know now at TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS offerings and a common technical platform for delivering products and services. The SIS homepage (https://sis.nlm.nih.gov) has been updated to alert users of these changes, as well as to direct them to resources and offerings relocated to other NLM webpages or to partner websites.

With this transition, we also acknowledge two outstanding NLM leaders as they retir Florance Chang, Acting Associate Director and Janice Kelly, Acting Deputy Associate Director. They, along with their outstanding teams, have dedicated their careers to t health of the nation and a strong and trusted NLM. I hope you will join me in thankin them for their service and wishing them well as they take on new ventures.

While change can be difficult, it most often leads to the greatest triumphs. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

	Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on NLM Home Page		Friday, 6/28 (live)
Message on SIS Home Page	***Body of the Page*** To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared. For questions about the location of SIS resources please email custserv@nlm.nih.gov ***Links to Resources*** • TBD • TBD	Friday, 6/28 (live)
Technical Bulletin Announcement	To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has moved forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging w broader audiences but also enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness.	Friday, 6/28?

	Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into oth resources, accessible on partner sites, or discontinued. We will provide notice of the changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov. (Depending on when this goes out, we can add specific links where the information/resource is located in addition to the SIS homepage link) For questions about the location of SIS resources please email custserv@nlm.nih.gov	
Social Media Messaging re: Shutdown	• SIS has transitioned to other parts of the National Library of Medicine for greater efficiency & efficiency. Please follow @NLM_News to say updated! • The @NLM_SIS account is being transferred to @NLM_News. Please follow them to stay up to date! • Please follow @NLM_News to stay up to date on our services. This account has been transitioned to the main NLM account. Thank you! • For all the latest information on our projects and resources, please follow @NLM_News. This account will no longer be providing updates.	Monday, 7/1
Follow-Up Musings Blog	OCPL will work with Patti on this	Tuesday, 7/23
Update NLM Website Org Charts	OCPL will make the changes to the online org charst	Monday, 7/1

Comment [NJ([]: Might consider adding a date when the account will be shutdown.

Recommended communication tactics/distribution channels for the above messages

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide notice of changes and where resources have moved/or can be accessed – JODY- MOCKUP DONE
- A follow-up Musings Blog - PATTI
- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging – GRACE - DONE
- E-Blast to appropriate audiences – ANY APPROPRIATE TO SEND THE SIS DIVISION SUNSETTING TO?

- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE - DONE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 21 Jun 2019 16:59:56 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	ITER (International Toxicity Estimates of Risk)
Description	ITER has been a TOXNET database for almost 20 years. It contains data in support of human health risk assessments and is currently compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s) Supporting Justification	ITERonUCWebSIte.docx

Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen David Gillikin Wei Ma Jeanne Goshorn Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their

	content, see the TOXNET transition page.
Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, Colleagues at EPA, NIEHS, NNLM, Society of Toxicology, etc.
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and

	work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	12/01/2019
Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings. In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No
Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information	
Request ID	321
Task ID	361
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/21/2019 04:25 p.m.

APPROVE **RETURN** * **REJECT** *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 21 Jun 2019 16:59:56 -0400
To: Gillikin, David (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Hochstein, Colette (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: ATTENTION: NLM SUNSETTING REQUEST CREATED

ATTENTION: The following Sunsetting Request was **CREATED** by Pertti Hakkinen.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	ITER (International Toxicity Estimates of Risk)
Description	ITER has been a TOXNET database for almost 20 years. It contains data in support of human health risk assessments and is currently compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s) Supporting Justification	ITERonUCWebSIte.docx

Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen David Gillikin Wei Ma Jeanne Goshorn Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their

	content, see the TOXNET transition page.
Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, Colleagues at EPA, NIEHS, NNLM, Society of Toxicology, etc.
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and

	work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	12/01/2019
Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings. In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No
Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information	
Request ID	321
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/21/2019 04:25 p.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/NLM) [E]
Sent: 24 Jun 2019 12:35:56 +0000
To: Chang, Florence (NIH/NLM) [E]
Cc: Kelly, Janice (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Florence. I am meeting with Jerry later today and will review the mockup SIS homepage changes to see if we can finalize to give OCCS time to make the changes.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Saturday, June 22, 2019 9:48 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Re: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody

Besides the change in NLM logo, the rest are pretty straight forward. We can put in a ticket in Jira so the OCCS supervisors can assign the work to the appropriate staff.

Thanks!

Florence

Sent from my iPhone

On Jun 21, 2019, at 3:54 PM, Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov> wrote:

> Hi Florence,
>
> We are working on recommended final language but wanted to send you this handwritten **draft** mockup – my guess is that the changes will require some OCCS support.
>
> Have a nice weekend,
>
> Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:30 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>

Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,

Could you share with us the mockup when it is ready? I can probably tell whether it can be done by Vivian or it require help from Winston Churchill (OCCS support).

Thanks!

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:24 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Florence. Since we talked about using the body of the page to add a message and links to where the resources/information can be found – you may need OCCS support.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

If you put the message where the tagline is, we can ask Vivian Chung to edit the page in Teamsite. Any fancier web layout or changes that requires coding or style sheet modification, it would be more difficult. We will have to find someone in OCCS who can do that for us.

The red arrow points to the current tagline on the page:
<image001.jpg>

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:13 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E]

<changf@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:

Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura

Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

<scan.pdf>

Sent: 24 Jun 2019 13:10:15 +0000
To: Hakkinen, Pertti (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E]
Subject: FW: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Bert, Florence,
Is seems like this sunset plan says NLM will commit to continue to provide ITER to the public if we can get a clear license for it from TERA or UC? But we won't know until 2020? I'm afraid I can't tell if ITER is sunsetting on TOXNET and going to be delivered from Bookshelf or PubChem or sunsetting from NLM altogether.

Thanks for clarifying.

Joyce

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Friday, June 21, 2019 5:00 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	ITER (International Toxicity Estimates of Risk)
Description	ITER has been a TOXNET database for almost 20 years. It contains data in support of human health risk assessments and is currently compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides

	comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s) Supporting Justification	ITERonUCWebSIte.docx
Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

Internal Communication Plan

Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen David Gillikin Wei Ma Jeanne Goshorn Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	08/31/2019

Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	TOXNET users, Colleagues at EPA, NIEHS, NNLM, Society of Toxicology, etc.
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	12/01/2019
Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings. In person meeting or phone call

Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No
Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information

Request ID	321
Task ID	361
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/21/2019 04:25 p.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Backus, Joyce (NIH/NLM) [E]
Sent: 24 Jun 2019 13:16:02 +0000
To: Hakkinen, Pertti (NIH/NLM) [E]
Cc: Chang, Florence (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E]
Subject: FW: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Bert, Florence,
Is seems like this sunset plan says NLM will commit to continue to provide ITER to the public if we can get a clear license for it from TERA or UC? But we won't know until 2020? I'm afraid I can't tell if ITER is sunsetting on TOXNET and going to be delivered from Bookshelf or PubChem or sunsetting from NLM altogether.

Under Justification it looks like the only reason to consider sunsetting is because of the ownership status with none of the other justifications considered. Do none of these apply?

- Low usage
- Obsolescence / Better products have come along, whether from NLM or another group
- No longer aligned with NLM priorities or mission needs
- Incorrect or out-of-date information
- Reallocation of staff to different products because resource is no longer a priority
- Cost in relation to value

Thanks for clarifying.

Joyce

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Friday, June 21, 2019 5:00 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

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	compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s) Supporting Justification	ITERonUCWebSIte.docx
Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

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Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

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Date the Message will be Sent	12/01/2019

Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings. In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No
Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information

Request ID	321
Task ID	361
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/21/2019 04:25 p.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 24 Jun 2019 16:37:18 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062019_V2a - js.docx

Jody,
Thanks for the draft sunset plan. I attach my markup of the plan and the messaging. As you'll see, I think we need to be clear that SIS is closing (i.e., there won't be an SIS after the end of June), but that staff and programs are transitioning elsewhere in the Library. The current phrasing about "integrating" SIS into other parts of the Library might lead some people to believe that SIS will continue to exist, but as part of another organizational unit.

Also, the messaging to Francis and Larry should be clear about the staff, budget, and program implications of the closure. If you don't already have it, I can send you the concept paper we prepared for them last year that outlined the anticipated effects. We should make sure our current messaging is consistent, to the extent possible.

Thanks
Jerry

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 3:59 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Jerry,

I have attached a draft SIS division sunset communication messaging and distribution plan. I have asked Nicole and Grace to come to the start of our 1:1 meeting on Monday at 3pm as the three of us having been working on the plan. We thought it was important to get this piece finalized before moving on to specific SIS offering communications.

Have a good weekend and look forward to seeing you on Monday,

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:30 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C]

<grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,

Could you share with us the mockup when it is ready? I can probably tell whether it can be done by Vivian or it require help from Winston Churchill (OCCS support).

Thanks!

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:24 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Florence. Since we talked about using the body of the page to add a message and links to where the resources/information can be found – you may need OCCS support.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

If you put the message where the tagline is, we can ask Vivian Chung to edit the page in Teamsite. Any fancier web layout or changes that requires coding or style sheet modification, it would be more difficult. We will have to find someone in OCCS who can do that for us.

The red arrow points to the current tagline on the page:

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:13 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*

- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole

(NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest

NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds

TOXMAP News

Twitter

@NLM_HIV – NLM HIV/AIDS Information

@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

Sunset of NLM Division of Specialized Information Services (SIS)
~~Sunset~~ Communication Messages and Distribution Plan

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

General SIS Sunset Message
(Use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

~~To align with the National Library of Medicine's (NLM)~~As it implements its ~~2017~~ Strategic Plan, 2017-2027, ~~,~~ the ~~NLM~~ National Library of Medicine is making ~~has moved forward with~~ organizational changes ~~which~~ that includes ~~the~~ dissolution of the ~~integration of the~~ Specialized Information Services (SIS) division, effective June 30, 2019, ~~,~~ and the transition of many SIS programs into ~~into~~ other parts of the Library. This integration serves to not only improves discoverability of and access to SIS resources by NLM's ~~resources for engaging with~~ broader ~~,~~ aset of users~~udiences~~ but also enables NLM to leverage its talents and resources to ~~while~~ improve ~~ing its~~ overall efficiency and effectiveness.

Over the next few months, ~~some~~ many SIS ~~of the SIS~~ resources and ~~systems~~ programs will transition to other ~~areas~~ parts ~~within of~~ ~~NLM~~ NLM, while ~~and~~ some under~~under~~utilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. L

~~Also,~~ links to ~~the~~ SIS ~~information and~~ resources and programs in their new locations, ~~such as other NLM web pages and through partner websites,~~ will be shared on [~~the~~ existing] SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to

~~For questions about the location of SIS resources please email~~ custserv@nlm.nih.gov.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Tabak/Dr. Collins	**Message:** NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of	Wednesday, 6/26

	NLM, while other will be terminated or transitioned to other organizations. Federal staff in SIS have been reassigned to other NLM divisions. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete are obsolete and will be retired. Remaining remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. ~~; no longer align with NLM priorities or organizational needs and/or the cost to maintain the resource is greater than the value. In assessing the SIS division as its own entity, it was determined the program no longer aligns with the NLM Strategic Plan which called for a more efficient organizational structure.~~ **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. ~~Over the next few months, some of the SIS resources and systems will transition to other areas within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued.~~ The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into ~~the~~ other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.~~informatics.~~	
NLM News Announcement	To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has mov Friday, 6/28 forward with organizational changes which includes the integration of the Specialized	

Comment [SJ([]: Should indicate how many staff are reassigned

Comment [SJ([]: Please make corresponding changes in the announcements below. All should indicate a date after which SIS will cease to exist (June 30). All should indicate that no data/information will be lost in the transition – we will archive/preserve resources that we do not plan to continue.

	Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but al enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. . Over the next few months, some of the SIS resources and systems will transition to other are within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov. For questions about the location of SIS resources please email custserv@nlm.nih.gov.	
NLM Broadcast Email from Dr. Brennan	Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's ~~2017~~ Strategic Plan, 2017-1027. As we do, the NLM will becon more efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will ~~have~~ be discontinued, with staff and programs ~~been~~ integrated into other parts of the Library. This integration will improve discoverability and access to resources for engaging with broader audiences and enables NLM to better leverag its talents and resources. With a long and important history, SIS has provided more than 50 years of service to NLM ar the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based ~~file of~~ resource of toxicological information ~~in 1966~~, ~~it~~ it grew ov time to become what we know now at TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. Our new organizational structure strives to create a more collaborative environment for ~~its~~	Friday, 6/28

Comment [SJ([]: Need some rewording here. It refers to SIS, not what later became TOXET

	curatn curating important toxicology information ~~on teams~~ and a more integrated informatic infrastructure ~~universal infrastructure for its technical teams,~~, ~~-~~ensuring the integrity and sustainability of key ~~SIS offerings and a common technical platform for delivering products a services~~. The SIS homepage (https://sis.nlm.nih.gov) has been updated to alert users of thes changes and ~~, as well as to~~ direct them to resources and offerings relocated to other NLM webpages or to partner websites. Information from discontinued services will be archived ar remain accessible to users. With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florance Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director They~~, along with their outstanding teams,~~ have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope yo will join me in thanking them for their service and wishing them well as they take on new ventures. While change can be difficult~~, it most often leads to the greatest triumphs~~, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides i accelerating discovery and advancing health through data-driven research. Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on NLM Home Page		Friday, 6/28 (live)
Message on SIS Home Page	***Body of the Page*** To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has mov forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but al enables NLM to leverage its talents and resources while improving its overall efficiency and	Friday, 6/28 (live)

	effectiveness. Over the next few months, some of the SIS resources and systems will transition to other are within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared. For questions about the location of SIS resources please email custserv@nlm.nih.gov. ***Links to Resources*** • TBD • TBD	
Technical Bulletin Announcement	To align with the National Library of Medicine's (NLM) 2017 Strategic Plan, the NLM has mov forward with organizational changes which includes the integration of the Specialized Information Services (SIS) division into other parts of the Library. This integration not only improves discoverability and access to resources for engaging with broader audiences but al enables NLM to leverage its talents and resources while improving its overall efficiency and effectiveness. Over the next few months, some of the SIS resources and systems will transition to other are within NLM and some underutilized resources will be integrated into other resources, accessible on partner sites, or discontinued. We will provide notice of these changes. Also, links to the information and resources in their new locations, such as other NLM web pages and through partner websites, will be shared on the SIS homepage at https://sis.nlm.nih.gov. (Depending on when this goes out, we can add specific links to wher the information/resource is located in addition to the SIS homepage link) For questions about the location of SIS resources please email custserv@nlm.nih.gov.	Friday, 6/28?
Social Media Messaging re: Shutdown	• SIS has transitioned to other parts of the National Library of Medicine for greater efficiency & efficiency. Please follow @NLM_News to say updated!	Monday, 7/1

Comment [NJ([]: Might consider adding a date when the account will be shutdown.

Comment [SJ([]: Yes, need to state that after June 30, or starting July 1 SIS has been dissolved, with programs and services transitioning or being integrated into other parts of the Library. Somehow we need to be clear that SIS is closed.

	• The @NLM_SIS account is being transferred to @NLM_News. Please follow them to stay up to date! • Please follow @NLM_News to stay up to date on our services. This account has been transitioned to the main NLM account. Thank you! • For all the latest information on our projects and resources, please follow @NLM_News. This account will no longer be providing updates.	
Follow-Up Musings Blog	OCPL will work with Patti on this	Tuesday, 7/23
Update NLM Website Org Charts	OCPL will make the changes to the online org charsts	Monday, 7/1

Comment [SJ([]: We should look to see if there is a way to include the new Office of Engagement and Training, even though it is not an official organization.

Recommended communication tactics/distribution channels for the above messages

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide notice of changes and where resources have moved/or can be accessed – JODY- MOCKUP DONE
- A follow-up Musings Blog - PATTI
- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging – GRACE - DONE
- E-Blast to appropriate audiences – ANY APPROPRIATE TO SEND THE SIS DIVISION SUNSETTING TO?
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE - DONE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: Middleton, Grace (NIH/NLM) [C]
Sent: 24 Jun 2019 16:58:56 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody and Nicole,

I am reviewing the comments/edits and making changes according to Jerry's feedback. Are we still going with you to the meeting at 3PM today? Do you want this updated prior to that meeting?

Thanks,
G

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, June 24, 2019 12:44 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Jerry. I do not have the concept paper so please forward as it seems as though it would be helpful.

Jody

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Monday, June 24, 2019 12:37 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,
Thanks for the draft sunset plan. I attach my markup of the plan and the messaging. As you'll see, I think we need to be clear that SIS is closing (i.e., there won't be an SIS after the end of June), but that staff and programs are transitioning elsewhere in the Library. The current phrasing about "integrating" SIS into other parts of the Library might lead some people to believe that SIS will continue to exist, but as part of another organizational unit.

Also, the messaging to Francis and Larry should be clear about the staff, budget, and program implications of the closure. If you don't already have it, I can send you the concept paper we prepared for them last year that outlined the anticipated effects. We should make sure our current messaging is consistent, to the extent possible.

Thanks
Jerry

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 3:59 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Jerry,

I have attached a draft SIS division sunset communication messaging and distribution plan. I have asked Nicole and Grace to come to the start of our 1:1 meeting on Monday at 3pm as the three of us having been working on the plan. We thought it was important to get this piece finalized before moving on to specific SIS offering communications.

Have a good weekend and look forward to seeing you on Monday,

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:30 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,

Could you share with us the mockup when it is ready? I can probably tell whether it can be done by Vivian or it require help from Winston Churchill (OCCS support).

Thanks!

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:24 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Florence. Since we talked about using the body of the page to add a message and links to where the resources/information can be found – you may need OCCS support.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

If you put the message where the tagline is, we can ask Vivian Chung to edit the page in Teamsite. Any fancier web layout or changes that requires coding or style sheet modification, it would be more difficult. We will have to find someone in OCCS who can do that for us.

The red arrow points to the current tagline on the page:

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:13 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C]

<grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody*

advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed.

- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM

To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH

National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE

NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE

NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds

TOXMAP News COLETTE

Twitter

@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN

@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

From: Middleton, Grace (NIH/NLM) [C]
Sent: 24 Jun 2019 17:40:25 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062019_V2a - jsgm.docx

Jody,

The edited table and language for SIS sunsetting is attached. We can add the number of staff being reassigned when we receive the information from Jerry.

Thanks,
Grace

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Monday, June 24, 2019 12:37 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,
Thanks for the draft sunset plan. I attach my markup of the plan and the messaging. As you'll see, I think we need to be clear that SIS is closing (i.e., there won't be an SIS after the end of June), but that staff and programs are transitioning elsewhere in the Library. The current phrasing about "integrating" SIS into other parts of the Library might lead some people to believe that SIS will continue to exist, but as part of another organizational unit.

Also, the messaging to Francis and Larry should be clear about the staff, budget, and program implications of the closure. If you don't already have it, I can send you the concept paper we prepared for them last year that outlined the anticipated effects. We should make sure our current messaging is consistent, to the extent possible.

Thanks
Jerry

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 3:59 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Jerry,

I have attached a draft SIS division sunset communication messaging and distribution plan. I have asked Nicole and Grace to come to the start of our 1:1 meeting on Monday at 3pm as the three of us having been working on the plan. We thought it was important to get this piece finalized before moving on to specific SIS offering communications.

Have a good weekend and look forward to seeing you on Monday,

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:30 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,

Could you share with us the mockup when it is ready? I can probably tell whether it can be done by Vivian or it require help from Winston Churchill (OCCS support).

Thanks!

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:24 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Florence. Since we talked about using the body of the page to add a message and links to where the resources/information can be found – you may need OCCS support.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

If you put the message where the tagline is, we can ask Vivian Chung to edit the page in Teamsite. Any fancier web layout or changes that requires coding or style sheet modification, it would be more difficult. We will have to find someone in OCCS who can do that for us.

The red arrow points to the current tagline on the page:

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:13 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.

- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

(Use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations, will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Tabak/Dr. Collins	**Message:** NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Federal staff in SIS have been reassigned to other NLM divisions. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee;	Wednesday, 6/26

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

Comment [SJ([]: Should indicate how many staff are reassigned

	with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete are obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM News Announcement	As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations, will be shared on the S homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to	Friday, 6/28

Comment [SJ([]: Please make corresponding changes in the announcements below. All should indicate a date after which SIS will cease to exist (June 30). All should indicate that no data/information will be lost in the transition – we will archive/preserve resources that we do not plan to continue.

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

	custserv@nlm.nih.gov. For questions about the location of SIS resources please email custserv@nlm.nih.gov.	
NLM Broadcast Email from Dr. Brennan	Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become mo efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated in other parts of the Library. This integration will improve discoverability and access to resource for engaging with broader audiences and enables NLM to better leverage its talents and resources. With a long and important history, SIS has provided more than 50 years of service to NLM an the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to includ what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key. The SIS homepage (https://sis.nlm.nih.gov) h been updated to alert users of these changes and direct them to resources and offerings relocated to other NLM webpages or to partner websites. Information from discontinued services will be archived and remain accessible to users. With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florance Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for the service and wishing them well as they take on new ventures.	Friday, 6/28

Comment [SJ([]: Need some rewording here. It refers to SIS, not what later became TOXET

	While change can be difficult, I believe it will produce a stronger NLM that will better serve o broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between ou units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research. Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on NLM Home Page		Friday, 6/28 (live)
Message on SIS Home Page	***Body of the Page*** As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov. ***Links to Resources*** • TBD • TBD	Friday, 6/28 (live)
Technical Bulletin Announcement	As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS)	Friday, 6/28?

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

	division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations, will be shared on the S homepage at https://sis.nlm.nih.gov. (Depending on when this goes out, we can add specifi links to where the information/resource is located in addition to the SIS homepage link) Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov.	
Social Media Messaging re: Shutdown	• SIS closed as of 6/30. Some resources moved to other parts of the National Library of Medicine for greater effectiveness. Please follow @NLM_News to say updated! • The @NLM_SIS account is closed as pf 6/30. Please follow @NLM_News to stay up to date! • Please follow @NLM_News to stay up to date on our services. This account will close effective 6/30. Thank you. • For all the latest information, please follow @NLM_News. Effective 6/30 this account will no longer provide updates.	Monday, 7/1
Follow-Up Musings Blog	OCPL will work with Patti on this	Tuesday, 7/23
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	Monday, 7/1

Comment [NJ([]: Might consider adding a date when the account will be shutdown.

Comment [SJ([]: Yes, need to state that after June 30, or starting July 1 SIS has been dissolved, with programs and services transitioning or being integrated into other parts of the Library. Somehow we need to be clear that SIS is closed.

Comment [SJ([]: We should look to see if there is a way to include the new Office of Engagement and Training, even though it is not an official organization.

Recommended communication tactics/distribution channels for the above messages

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide notice of changes and where resources have moved/or can be accessed – JODY- MOCKUP DONE
- A follow-up Musings Blog - PATTI

- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging – GRACE - DONE
- E-Blast to appropriate audiences – ANY APPROPRIATE TO SEND THE SIS DIVISION SUNSETTING TO?
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE - DONE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: Middleton, Grace (NIH/NLM) [C]
Sent: 24 Jun 2019 17:45:10 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Yes – got it.

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, June 24, 2019 1:45 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Re: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

My computer isn't working. Can you print 4 copies for our 3pm meeting? Thanks.

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Jun 24, 2019, at 1:40 PM, Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov> wrote:

> Jody,
>
> The edited table and language for SIS sunsetting is attached. We can add the number of staff being reassigned when we receive the information from Jerry.
>
> Thanks,
> Grace
>
> ---
>
> **From:** Sheehan, Jerry (NIH/NLM) [E]
> **Sent:** Monday, June 24, 2019 12:37 PM
> **To:** Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
> **Cc:** Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
> **Subject:** RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
>
> Jody,
> Thanks for the draft sunset plan. I attach my markup of the plan and the messaging. As you'll see, I think we need to be clear that SIS is closing (i.e., there won't be an SIS after the end of June), but that staff and programs are transitioning elsewhere in the Library. The current phrasing about "integrating" SIS into other parts of the Library might lead some people to believe that SIS will continue to exist, but as part of another organizational unit.

Also, the messaging to Francis and Larry should be clear about the staff, budget, and program implications of the closure. If you don't already have it, I can send you the concept paper we prepared for them last year that outlined the anticipated effects. We should make sure our current messaging is consistent, to the extent possible.

Thanks
Jerry

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 3:59 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Jerry,

I have attached a draft SIS division sunset communication messaging and distribution plan. I have asked Nicole and Grace to come to the start of our 1:1 meeting on Monday at 3pm as the three of us having been working on the plan. We thought it was important to get this piece finalized before moving on to specific SIS offering communications.

Have a good weekend and look forward to seeing you on Monday,

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:30 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Jody,

Could you share with us the mockup when it is ready? I can probably tell whether it can be done by Vivian or it require help from Winston Churchill (OCCS support).

Thanks!

Florence

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:24 AM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Kelly, Janice (NIH/NLM)

[E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, Florence. Since we talked about using the body of the page to add a message and links to where the resources/information can be found – you may need OCCS support.

Jody

From: Chang, Florence (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

If you put the message where the tagline is, we can ask Vivian Chung to edit the page in Teamsite. Any fancier web layout or changes that requires coding or style sheet modification, it would be more difficult. We will have to find someone in OCCS who can do that for us.

The red arrow points to the current tagline on the page:
<image001.jpg>

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 21, 2019 11:13 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Florence and Janice,

I am working on a mockup for the SIS home page incorporating the messaging about the sunset of the SIS division and where people can find information/resources. Who is your point person for working on the website changes (making the changes to the home page, taking pages down, etc.)?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.

- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset.
https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA

K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE

NLM_SIS Weekly Twitter Digest ILYSE

NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE

NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds

TOXMAP News COLETTE

Twitter

@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN

@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product

email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

<SIS Sunset_Communication Messages and Distribution Plan 062019_V2a - jsgm.docx>

From: Chang, Florence (NIH/NLM) [E]
Sent: 24 Jun 2019 18:00:43 +0000
To: Backus, Joyce (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E]
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Joyce,
I will let Bert answer most of your questions because he knows more about the value of ITER as a NLM resource. I know by looking at the stats that comparing usage of IRIS (a risk value resource from EPA) and ITER (10 risk values from 10 sources including EPA), it is a ratio of 3:5. This tells me that risk assessors or scientists prefer to see an information resource that provides data from many sources than from a single source.
We are planning to sunset ITER and IRIS from TOXNET. But they are likely to go into NCBI Books except the timing is uncertain. So on the TOXNET transition page and in the communication plan, we say these 2 resources are to sunset with TOXNET.
Florence

From: Backus, Joyce (NIH/NLM) [E]
Sent: Monday, June 24, 2019 9:16 AM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: FW: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Bert, Florence,
Is seems like this sunset plan says NLM will commit to continue to provide ITER to the public if we can get a clear license for it from TERA or UC? But we won't know until 2020? I'm afraid I can't tell if ITER is sunsetting on TOXNET and going to be delivered from Bookshelf or PubChem or sunsetting from NLM altogether.
Under Justification it looks like the only reason to consider sunsetting is because of the ownership status with none of the other justifications considered. Do none of these apply?

- Low usage
- Obsolescence / Better products have come along, whether from NLM or another group
- No longer aligned with NLM priorities or mission needs
- Incorrect or out-of-date information
- Reallocation of staff to different products because resource is no longer a priority
- Cost in relation to value

Thanks for clarifying.
Joyce

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Friday, June 21, 2019 5:00 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	ITER (International Toxicity Estimates of Risk)
Description	ITER has been a TOXNET database for almost 20 years. It contains data in support of human health risk assessments and is currently compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s) Supporting Justification	ITERonUCWebSIte.docx
Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

Internal Communication Plan

Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen David Gillikin

	Wei Ma Jeanne Goshorn Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	TOXNET users, Colleagues at EPA, NIEHS, NNLM, Society of Toxicology, etc.
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem..

	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	12/01/2019
Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings. In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No
Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information

Request ID	321
Task ID	361
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/21/2019 04:25 p.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Middleton, Grace (NIH/NLM) [C]
Sent: 24 Jun 2019 19:01:16 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: Latest Sunsetting Plan for SIS
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062019_V2a - jsgm.docx

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

(Use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, the Library is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Tabak/Dr. Collins	**Message:** NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Federal staff in SIS have been reassigned to other NLM divisions. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee;	Wednesday, 6/26

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

Comment [SJ([]: Should indicate how many staff are reassigned

	with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM News Announcement	As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations, will be shared on the S homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to	Friday, 6/28

Comment [SJ([]: Please make corresponding changes in the announcements below. All should indicate a date after which SIS will cease to exist (June 30). All should indicate that no data/information will be lost in the transition – we will archive/preserve resources that we do not plan to continue.

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

	custserv@nlm.nih.gov. For questions about the location of SIS resources please email custserv@nlm.nih.gov.	
NLM Broadcast Email from Dr. Brennan	Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become mo efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated in other parts of the Library. This integration will improve discoverability and access to resource for engaging with broader audiences and enables NLM to better leverage its talents and resources. With a long and important history, SIS has provided more than 50 years of service to NLM an the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to includ what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key. The SIS homepage (https://sis.nlm.nih.gov) h been updated to alert users of these changes and direct them to resources and offerings relocated to other NLM webpages or to partner websites. Information from discontinued services will be archived and remain accessible to users. With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florance Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for the service and wishing them well as they take on new ventures.	Friday, 6/28

Comment [SJ([]: Need some rewording here. It refers to SIS, not what later became TOXET

	While change can be difficult, I believe it will produce a stronger NLM that will better serve o broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between ou units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research. Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on NLM Home Page		Friday, 6/28 (live)
Message on SIS Home Page	***Body of the Page*** As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov. ***Links to Resources*** • TBD • TBD	Friday, 6/28 (live)
Technical Bulletin Announcement	As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS)	Friday, 6/28?

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

	division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations, will be shared on the S homepage at https://sis.nlm.nih.gov. (Depending on when this goes out, we can add specifi links to where the information/resource is located in addition to the SIS homepage link) Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov.	
Social Media Messaging re: Shutdown	• SIS closed as of 6/30. Some resources moved to other parts of the National Library of Medicine for greater effectiveness. Please follow @NLM_News to say updated! • The @NLM_SIS account is closed as pf 6/30. Please follow @NLM_News to stay up to date! • Please follow @NLM_News to stay up to date on our services. This account will close effective 6/30. Thank you. • For all the latest information, please follow @NLM_News. Effective 6/30 this account will no longer provide updates.	Monday, 7/1
Follow-Up Musings Blog	OCPL will work with Patti on this	Tuesday, 7/23
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	Monday, 7/1

Comment [NJ([]: Might consider adding a date when the account will be shutdown.

Comment [SJ([]: Yes, need to state that after June 30, or starting July 1 SIS has been dissolved, with programs and services transitioning or being integrated into other parts of the Library. Somehow we need to be clear that SIS is closed.

Comment [SJ([]: We should look to see if there is a way to include the new Office of Engagement and Training, even though it is not an official organization.

Recommended communication tactics/distribution channels for the above messages

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).
  The page will be dynamic and will be the central location for NLM to provide notice of changes and where resources have moved/or can be accessed – JODY- MOCKUP DONE
- A follow-up Musings Blog - PATTI

- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging – GRACE - DONE
- E-Blast to appropriate audiences – ANY APPROPRIATE TO SEND THE SIS DIVISION SUNSETTING TO?
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE - DONE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: Hakkinen, Pertti (NIH/NLM) [E]
Sent: 24 Jun 2019 19:42:04 +0000
To: Chang, Florence (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E]
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Joyce and Florence, I agree with Florence's "This tells me that risk assessors or scientists prefer to see an information resource that provides current data from many sources than from a single source." We have offered ITER in TOXNET for about 20 years, and it is an unique offering that reviews and pulls together these types of risk values from EPA and several other sources.
The issue with ITER going the University of Cincinnati to its original developer (TERA) could be resolved within the few weeks; however, but the best timing for a transition might be at the end of the current funding for the University of Cincinnati. I can edit the wording to indicate that it will be resolved by Fall 2019 but the transition might occur in in April 2020 when the current funding ends for the University of Cincinnati's work on ITER. I can see how the ITER content will be offered in both Bookshelf and PubChem.
(A disclosure is that I worked at TERA for about a year before going to the European Commission, and I remember being the person at TERA to suggest approaching NLM to try to get ITER into TOXNET! The TERA and NLM interactions happened after I went to the European Commission.)
Bert

From: Chang, Florence (NIH/NLM) [E]
Sent: Monday, June 24, 2019 2:01 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Joyce,
I will let Bert answer most of your questions because he knows more about the value of ITER as a NLM resource. I know by looking at the stats that comparing usage of IRIS (a risk value resource from EPA) and ITER (10 risk values from 10 sources including EPA), it is a ratio of 3:5. This tells me that risk assessors or scientists prefer to see an information resource that provides data from many sources than from a single source.
We are planning to sunset ITER and IRIS from TOXNET. But they are likely to go into NCBI Books except the timing is uncertain. So on the TOXNET transition page and in the communication plan, we say these 2 resources are to sunset with TOXNET.
Florence

From: Backus, Joyce (NIH/NLM) [E]
Sent: Monday, June 24, 2019 9:16 AM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: FW: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Bert, Florence,
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sunsetting on TOXNET and going to be delivered from Bookshelf or PubChem or sunsetting from NLM altogether.
Under Justification it looks like the only reason to consider sunsetting is because of the ownership status with none of the other justifications considered. Do none of these apply?

- Low usage
- Obsolescence / Better products have come along, whether from NLM or another group
- No longer aligned with NLM priorities or mission needs
- Incorrect or out-of-date information
- Reallocation of staff to different products because resource is no longer a priority
- Cost in relation to value

Thanks for clarifying.
Joyce

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Friday, June 21, 2019 5:00 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	ITER (International Toxicity Estimates of Risk)
Description	ITER has been a TOXNET database for almost 20 years. It contains data in support of human health risk assessments and is currently compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s)	ITERonUCWebSIte.docx

Supporting Justification	
Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

Internal Communication Plan

Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen David Gillikin Wei Ma Jeanne Goshorn Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin

Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	TOXNET users, Colleagues at EPA, NIEHS, NNLM, Society of Toxicology, etc.
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	12/01/2019
Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings. In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No

Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information

Request ID	321
Task ID	361
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/21/2019 04:25 p.m.

APPROVE **RETURN** * **REJECT** *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 24 Jun 2019 21:06:07 +0000
To: Middleton, Grace (NIH/NLM) [C];Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E]
Subject: SIS Sunset_Communication Messages and Distribution Plan 062019_V2a - jsgm.docx
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062019_V2a - jsgm.docx

Here's the sunset plan w/ the changes/edits I made during our meeting

Jerry

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

(Use for NLM News Announcement, Technical Bulletin, and repurpose for SIS home page)

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, the Library is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Tabak/Dr. Collins	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018, NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs are moved. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967,	Wednesday, 6/26

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

Comment [SJ([]: Should indicate how many staff are reassigned

	with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM News Announcement [DELETE-DO BLOG POST INSTEAD]	As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations, will be shared on the S homepage at https://sis.nlm.nih.gov.	Friday, 6/28

Comment [SJ([]: Please make corresponding changes in the announcements below. All should indicate a date after which SIS will cease to exist (June 30). All should indicate that no data/information will be lost in the transition – we will archive/preserve resources that we do not plan to continue.

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

	Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov. For questions about the location of SIS resources please email custserv@nlm.nih.gov.	
NLM Broadcast Email from Dr. Brennan	Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become mo efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated in other parts of the Library. This integration will improve discoverability and access to resource for engaging with broader audiences and enables NLM to better leverage its talents and resources. With a long and important history, SIS has provided more than 50 years of service to NLM an the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to includ what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key. The SIS homepage (https://sis.nlm.nih.gov) h been updated to alert users of these changes and direct them to resources and offerings relocated to other NLM webpages or to partner websites. Information from discontinued services will be archived and remain accessible to users. With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florance Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for the	Friday, 6/28

Comment [SJ([]: Need some rewording here. It refers to SIS, not what later became TOXET

	service and wishing them well as they take on new ventures. While change can be difficult, I believe it will produce a stronger NLM that will better serve c broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between ou units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research. Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on NLM Home Page	PATTI BLOG INSTEAD	Friday, 6/28 (live)
Message on SIS Home Page	***Body of the Page*** As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov. ***Links to Resources*** • TBD • TBD	Friday, 6/28 (live)

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

Technical Bulletin Announcement	As it implements its Strategic Plan, 2017-2027, the National Library of Medicine is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of the Library. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations, will be shared on the S homepage at https://sis.nlm.nih.gov. (Depending on when this goes out, we can add specifi links to where the information/resource is located in addition to the SIS homepage link) Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov.	Friday, 6/28?
Social Media Messaging re: Shutdown	• SIS closed as of 6/30. Some resources moved to other parts of the National Library of Medicine for greater effectiveness. Please follow @NLM_News to say updated! • The @NLM_SIS account is closed as pf 6/30. Please follow @NLM_News to stay up to date! • Please follow @NLM_News to stay up to date on our services. This account will close effective 6/30. Thank you. • For all the latest information, please follow @NLM_News. Effective 6/30 this account will no longer provide updates.	Monday, 7/1
Follow-Up Musings Blog	OCPL will work with Patti on this	Tuesday, 7/23
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	Monday, 7/1

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

Comment [NJ([]: Might consider adding a date when the account will be shutdown.

Comment [SJ([]: Yes, need to state that after June 30, or starting July 1 SIS has been dissolved, with programs and services transitioning or being integrated into other parts of the Library. Somehow we need to be clear that SIS is closed.

Comment [SJ([]: We should look to see if there is a way to include the new Office of Engagement and Training, even though it is not an official organization.

Recommended communication tactics/distribution channels for the above messages

- SIS Web page (either a subpage off the NLM home page or on the current SIS home page).

The page will be dynamic and will be the central location for NLM to provide notice of changes and where resources have moved/or can be accessed – JODY- MOCKUP DONE

- A follow-up Musings Blog - PATTI
- NLM News Announcement -DONE
- Technical Bulletin announcement -DONE
- Social media messaging – GRACE - DONE
- E-Blast to appropriate audiences – ANY APPROPRIATE TO SEND THE SIS DIVISION SUNSETTING TO?
- NLM Broadcast email from NLM Director to staff about sunset updates and thanks to SIS staff -GRACE - DONE

These recommended tactics help ensure that NLM staff, NLM partners, direct beneficiary audiences, and end users are provided with up-to-date communications about transitioned and sunset resources.

From: Kelly, Janice (NIH/NLM) [E]
Sent: 25 Jun 2019 14:31:12 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Chang, Florence (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E]
Subject: Re: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Jody,
Can you send me the list from the portal? Apparently some of the newly submitted are being forwarded to Joyce not Florence.

Thanks, Janice

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Tuesday, June 25, 2019 at 10:27:25 AM
To: "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>
Cc: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>, "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice,

Can you provide us with the most up-to-date version of the spreadsheet?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources

NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>;

Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

From: Nurik, Jody (NIH/NLM) [E]
Sent: 25 Jun 2019 15:22:02 +0000
To: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E]
Subject: FW: SIS Sunset_Communication Messages and Distribution Plan 062019_V2a - jsgm.docx
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062519.docx

Here is the most current table.

Grace: Below is the message for the top banner:

Please note, this page will no longer be available effective 12/1/2019. Please refer to www.sis.nlm.nih.gov for additional information.

Thanks a million!

Jody

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Monday, June 24, 2019 5:06 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: SIS Sunset_Communication Messages and Distribution Plan 062019_V2a - jsgm.docx

Here's the sunset plan w/ the changes/edits I made during our meeting

Jerry

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Collins/Dr. Tabak	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018**,** NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was	Wednesday, 6/26

	designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM Broadcast Email from Dr. Brennan	Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become mc efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated ir other parts of the Library. This integration will improve discoverability and access to resourc for engaging with broader audiences and enables NLM to better leverage its talents and resources. With a long and important history, SIS has provided more than 50 years of service to NLM ar the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to includ	Friday, 6/28

	what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key. The SIS homepage (https://sis.nlm.nih.gov) h been updated to alert users of these changes and direct them to resources and offerings relocated to other NLM webpages or to partner websites. Information from discontinued services will be archived and remain accessible to users. With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florance Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for the service and wishing them well as they take on new ventures. While change can be difficult, I believe it will produce a stronger NLM that will better serve c broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between ou units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research. Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on SIS Home Page	Please note, this page will no longer be available effective 12/1/2019. Please refer to www.sis.nlm.nih.gov for additional information. As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Servic (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other par	Friday, 6/28 (live)

	of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the S homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	
Technical Bulletin Announcement	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Servic (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other par of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the S homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	Friday, 6/28
Social Media Messaging re: Shutdown A notice will be posted on @nlm_sis Twitter account stating the account will	The following will be sent the week of July 1, 2019 • The @NLM_SIS account is closed as of 7/31/19. Please follow @NLM_News to stay up to date!	Monday, 7/1

Comment [SJ([]: I'm not sure this is the right word, but it seems we need to be clear that SIS is closing, and functions will transition to/be integrated with other parts of the Library

Comment [NJ([]: Might consider adding a date when the account will be shutdown.

Comment [SJ([]: Yes, need to state that after June 30, or starting July 1 SIS has been dissolved, with programs and services transitioning or being integrated into other parts of the Library. Somehow we need to be clear that SIS is closed.

be closed as of 7/31/19	• Please follow @NLM_News to stay up to date on our services. Thank you. • For all the latest information, please follow @NLM_News. Effective 7/31/19 this account will no longer provide updates.	
Follow-Up Musings Blog	OCPL will send Patti talking points for the blog	Recommend by Tuesday, 7/10
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	Monday, 7/1
Web Site Message (6 Pages) **-TEHIP Page** **-TOXNET** **-Chemical and Drug Page** **-HIV/AIDS (AIDSource)** **-Outreach Activities & Resources** **-DIMRC** **-K-12 Science and Health Education**	Please note, this page will no longer be available effective 12/1/2019. Please refer to www.sis.nlm.nih.gov for additional information.	Monday, 7/1
Message for BSD (LO)	Messaging: Welcome to your new home re: scientific review panel. Work will continue.	7/1
ENHIP (Environmental Health Information Partnership)		7/1
NNLM Listserv **(Amanda Wilson sends on Fridays)**		7/1

Comment [SJ([]: We should look to see if there is a way to include the new Office of Engagement and Training, even though it is not an official organization.

From: Backus, Joyce (NIH/NLM) [E]
Sent: 25 Jun 2019 16:20:39 +0000
To: Hakkinen, Pertti (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Thanks for the explanation. Very helpful. So if we're planning to transfer and deliver the resource on bookshelf and PubChem, does it need a sunset plan?

From: Hakkinen, Pertti (NIH/NLM) [E]
Sent: Monday, June 24, 2019 3:42 PM
To: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Joyce and Florence, I agree with Florence's "This tells me that risk assessors or scientists prefer to see an information resource that provides current data from many sources than from a single source." We have offered ITER in TOXNET for about 20 years, and it is an unique offering that reviews and pulls together these types of risk values from EPA and several other sources.

The issue with ITER going the University of Cincinnati to its original developer (TERA) could be resolved within the few weeks; however, but the best timing for a transition might be at the end of the current funding for the University of Cincinnati. I can edit the wording to indicate that it will be resolved by Fall 2019 but the transition might occur in in April 2020 when the current funding ends for the University of Cincinnati's work on ITER. I can see how the ITER content will be offered in both Bookshelf and PubChem.

(A disclosure is that I worked at TERA for about a year before going to the European Commission, and I remember being the person at TERA to suggest approaching NLM to try to get ITER into TOXNET! The TERA and NLM interactions happened after I went to the European Commission.)

Bert

From: Chang, Florence (NIH/NLM) [E]
Sent: Monday, June 24, 2019 2:01 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Joyce,

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We are planning to sunset ITER and IRIS from TOXNET. But they are likely to go into NCBI Books except the timing is uncertain. So on the TOXNET transition page and in the communication plan, we say these 2 resources are to sunset with TOXNET.

Florence

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Sent: Monday, June 24, 2019 9:16 AM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: FW: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Bert, Florence,
Is seems like this sunset plan says NLM will commit to continue to provide ITER to the public if we can get a clear license for it from TERA or UC? But we won't know until 2020? I'm afraid I can't tell if ITER is sunsetting on TOXNET and going to be delivered from Bookshelf or PubChem or sunsetting from NLM altogether.

Under Justification it looks like the only reason to consider sunsetting is because of the ownership status with none of the other justifications considered. Do none of these apply?

- Low usage
- Obsolescence / Better products have come along, whether from NLM or another group
- No longer aligned with NLM priorities or mission needs
- Incorrect or out-of-date information
- Reallocation of staff to different products because resource is no longer a priority
- Cost in relation to value

Thanks for clarifying.

Joyce

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Friday, June 21, 2019 5:00 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	ITER (International Toxicity Estimates of Risk)
Description	ITER has been a TOXNET database for almost 20 years. It contains data in support of human health risk assessments and is currently compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s) Supporting Justification	ITERonUCWebSIte.docx
Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

Internal Communication Plan

Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen David Gillikin Wei Ma Jeanne Goshorn Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	TOXNET users, Colleagues at EPA, NIEHS, NNLM, Society of Toxicology, etc.
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will

	continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	12/01/2019
Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings. In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No
Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information

Request ID	321
Task ID	361
Request Status	Submitted
Created By	Pertti Hakkinen

Date Created	06/21/2019 04:25 p.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/NLM) [E]
Sent: 25 Jun 2019 18:32:02 +0000
To: Brennan, Patti (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: Overall SIS Sunset Message and NLM Broadcast email for your review
Attachments: General SIS Sunset Messagefor PBjune25.docx

Hi Patti,

Please find attached for your review/comment:

- Page 1 – Is the message for the SIS program sunset. The message was reviewed this morning with Jerry, Todd, Janice, and Florence. We plan to repurpose the message on the SIS homepage to post on July 1 and in the announcement going out in the Technical Bulletin either June 28 or July 1.
- Page 2 – A draft NLM Broadcast email from you to go out this Friday, June 28.

We will soon be providing you with some talking points/rough draft for an upcoming *Musings* blog that I believe Jerry talked to you about. We are recommending the blog goes out either July 3 or 10 to keep SIS sunset communications timely and coordinated.

Please let me know if you have any questions. Thanks.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

General SIS Sunset Message - DRAFT

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made on the SIS home page at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

DRAFT: NLM BROADCAST EMAIL MESSAGE – recommend sending on June 28, 2019

Dear Colleagues:

We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enables NLM to better leverage its talents and resources.

With a long and important history, SIS has provided more than 50 years of service to NLM and the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made on the SIS home page at https://sis.nlm.nih.gov.

With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florance Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director. They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for their service and wishing them well as they take on new ventures.

While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine

From: Backus, Joyce (NIH/NLM) [E]
Sent: 25 Jun 2019 20:36:27 +0000
To: Chang, Florence (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

I see. Thanks for clarifying that we're sunsetting for now, but there may be a sunrise in the future.

From: Chang, Florence (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 3:36 PM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

There is no guarantee when ITER will become available in NCBI Bookshelf, same as IRIS. Therefore we need to sunset it from TOXNET. It may take a year to migrate the content to Bookshelf. NCBI team is not going to work on the migration until the legal issue is solved.

For IRIS, there is no guarantee how long it will take for EPA to have the XML ready for Bookshelf. So for both ITER and IRIS, we don't have a definite timeline when they will be available on Bookshelf. So the plan is to sunset both of these TOXNET resources for the time being.

Florence

From: Hakkinen, Pertti (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 3:27 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Joyce, thanks. BTW, I had a phone conversation today with ITER's main contact at the University of Cincinnati. Within the next week or so, she is going to send me/us a plan with the steps and suggested timing for the move of ITER back to TERA (its original home). She will do this with TERA's main ITER contact to make sure they're aligned with the plan.

Florence and Jeanne, do we still do a sunset plan for ITER? It was on my ''to do" list for a sunset plan. Same question for DERMaL (I was planning to write it this week) since we are making it part of CHEMM rather than totally dropping it?

All, I know that the ITER story is a complex one so please feel free to ask me for more information. I've known the key folks at the University of Cincinnati and TERA for many years and that really helps with the interactions.

Thanks,
Bert

From: Backus, Joyce (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 12:21 PM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
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Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
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Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
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- Reallocation of staff to different products because resource is no longer a priority
- Cost in relation to value

Thanks for clarifying.

Joyce

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Friday, June 21, 2019 5:00 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	ITER (International Toxicity Estimates of Risk)
Description	ITER has been a TOXNET database for almost 20 years. It contains data in support of human health risk assessments and is currently compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s) Supporting Justification	ITERonUCWebSIte.docx
Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

Internal Communication Plan

Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen David Gillikin Wei Ma Jeanne Goshorn Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	TOXNET users, Colleagues at EPA, NIEHS, NNLM, Society of Toxicology, etc.
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will

	continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	12/01/2019
Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings. In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No
Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information

Request ID	321
Task ID	361
Request Status	Submitted
Created By	Pertti Hakkinen

Date Created	06/21/2019 04:25 p.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/OD) [E]
Sent: 25 Jun 2019 18:16:03 -0400
To: Brennan, Patti (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review - Please disregard the earlier email
Attachments: General SIS Sunset Messagefor PBjune25V2.docx

Hi Patti,

Florence and Stacy Arnesen just requested that "underutilized" be deleted from the version of the overall SIS sunset message I sent you earlier today. Jerry was okay with the deletion.

The attached reflects the change so if possible, please review this version.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Tuesday, June 25, 2019 at 2:32 PM
To: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
Cc: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti,

Please find attached for your review/comment:

- Page 1 – Is the message for the SIS program sunset. The message was reviewed this morning with Jerry, Todd, Janice, and Florence. We plan to repurpose the message on the SIS homepage to post on July 1 and in the announcement going out in the Technical Bulletin either June 28 or July 1.
- Page 2 – A draft NLM Broadcast email from you to go out this Friday, June 28.

We will soon be providing you with some talking points/rough draft for an upcoming *Musings* blog that I believe Jerry talked to you about. We are recommending the blog goes out either July 3 or 10 to keep SIS sunset communications timely and coordinated.

Please let me know if you have any questions. Thanks.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

General SIS Sunset Message – DRAFT

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users,but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued.

We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

DRAFT: NLM BROADCAST EMAIL MESSAGE – recommend sending on June 28, 2019

Dear Colleagues:

We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enables NLM to better leverage its talents and resources.

With a long and important history, SIS has provided more than 50 years of service to NLM and the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made on the SIS home page at https://sis.nlm.nih.gov.

With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florence Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director. They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for their service and wishing them well as they take on new ventures.

While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine

From: Scott, Nicole (NIH/NLM) [E]
Sent: 26 Jun 2019 09:15:13 +0000
To: Middleton, Grace (NIH/NLM) [C];Nurik, Jody (NIH/NLM) [E]
Subject: Update: SIS Sunset Communications

Hi Jody and Grace,

I met with Stacey yesterday. She suggested removing "underutilized" from the SIS home page message.

We also discussed the overall plan and messaging for the SIS sites. She agreed to work with the staff (Colette and Jen) to remove references to SIS in the "About" section and footers of the TEHIP and DIMRC pages by Friday. She had concern about posting the language, "Please note, this page will no longer….", on the following pages because they are not going away nor do they reference SIS (only in the "About" section): DIMRC, TEHIP, HIV/AIDS. She feels that the message will call unnecessary attention to SIS and unavailable pages. See below the suggestions from Stacey and an update on my communications for BSD, EnHIP and NNLM.

Web Site Message (3 Pages) **-TOXNET** **-Chemical and Drug Page** **-K-12 Science and Health Education** **-Outreach Activities & Resources**	Please note, this page will no longer be available effective 12/1/2019. For additional information, visit www.sis.nlm.nih.gov. *Per Stacey, these are the only pages that should include this message at the top of the banner.
Web Site Message (TBD) **-TEHIP Page** **-HIV/AIDS (AIDSource)** **-DIMRC**	*Per Stacey, these pages should not include the message above because decisions have NOT been made about the availability of these pages. Also, they don't reference SIS and have not been promoted in such a manner. NLM is only referenced. She agreed to work with Colette and Jen to remove any links to SIS. ----On the TEHIP home page, there is no reference to SIS --On the TEHIP about page – Colette to remove the 3 references to SIS; https://envirotoxinfo.nlm.nih.gov/about-nlmenvirotox.html On DIMRC home page – she will remove link to SIS in the footer (may not be done by Friday) On the DIMRC about page – she will ask Jen to remove reference to SIS on this page: https://disasterinfo.nlm.nih.gov/about-dimrc
Message for BSD (LO) **POC: Bert Hakkinen, Jeanne Goshorn**	Bert Hakkinen will send a message to the Scientific Review Panel. He was fine with using the language we drafted for the NLM Technical Bulletin.
ENHIP (Environmental Health Information Partnership) **POC: Cynthia Gaines, Amanda Wilson**	Messaged Amanda Wilson and Cynthia Gaines. No response from Amanda, but Cynthia stated that she and Janice already sent ENHIP messages about the closure of SIS. I asked for a copy of those messages but suggested that they still need a formal notification. I will follow up with Amanda W. Still pending.
NNLM Listserv **POC: Amanda Wilson**	I sent the draft Technical Bulletin language to Amanda for tailoring to the NNLM for the listserv message she typically sends on Fridays. No

	response yet.

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Nurik, Jody (NIH/NLM) [E]
Sent: 26 Jun 2019 12:30:10 +0000
To: Kelly, Janice (NIH/NLM) [E]
Cc: Chang, Florence (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: SISsunsetscreenshotjune2619.docx

Hi Janice,

Attached is a screenshot of the SIS programs in the sunset system.

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, June 26, 2019 8:20 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Jody,
I will update but I am awaiting the list from OCPL of what's in the portal. I don't have access to that.
Thanks, Janice

From: Kelly, Janice (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 10:31 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Re: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Jody,
Can you send me the list from the portal? Apparently some of the newly submitted are being forwarded to Joyce not Florence.

Thanks, Janice

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Tuesday, June 25, 2019 at 10:27:25 AM
To: "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>
Cc: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>, "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice,

Can you provide us with the most up-to-date version of the spreadsheet?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*

- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.

- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each

program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).

- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>

Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH

National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE

NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE

NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds

TOXMAP News COLETTE

Twitter

@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN

@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
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News/RSS Feeds
TOXMAP News

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@NLM_HIV – NLM HIV/AIDS Information
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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

	American Indian and Alaska Native Health portal https://americanindianhealth.nlm.nih.gov	Laura Bartlett	Communication Director Approved
	Arctic Health	Laura Bartlett	Associate Director Approved
221	ITER (International Toxicity Estimates of Risk)	Pertti Hakkinen	Submitted
281	DART (Developmental and Reproductive Toxicology)	Jeanne Goshorn	Associate Director Approved
261	TOXNET	Colette Hochstein	Associate Director Approved
242	SIS K-12 Program	Alla Keselman	Associate Director Approved
241	Environmental Health Student Portal	Alla Keselman	Associate Director Approved
221	SIS Division Sunset	Janice Kelly	Associate Director Approved
201	Select Gov Delivery Email Distribution Lists	Ilyse Kramer	Associate Director Approved
185	ChemSpell	Janice Kelly	Associate Director Approved
184	All Hazards Plan	Jennifer Pakiam	Associate Director Approved
183	TOXNET Toxics Release Inventory (TRI)	Colette Hochstein	Associate Director Approved
182	@NLM_SIS Twitter Accounts	Ilyse Kramer	Associate Director Approved
162	TOXLINE	Jeanne Goshorn	Associate Director Approved

From: Kelly, Janice (NIH/NLM) [E]
Sent: 26 Jun 2019 12:33:17 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Thanks, I will update the plan.

From: Nurik, Jody (NIH/NLM) [E]
Sent: Wednesday, June 26, 2019 8:30 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice,

Attached is a screenshot of the SIS programs in the sunset system.

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, June 26, 2019 8:20 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Jody,
I will update but I am awaiting the list from OCPL of what's in the portal. I don't have access to that.
Thanks, Janice

From: Kelly, Janice (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 10:31 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Re: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Jody,
Can you send me the list from the portal? Apparently some of the newly submitted are being forwarded to Joyce not Florence.

Thanks, Janice

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Tuesday, June 25, 2019 at 10:27:25 AM

To: "Kelly, Janice (NIH/NLM) [E]" <janice.kelly@nih.gov>
Cc: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>, "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice,

Can you provide us with the most up-to-date version of the spreadsheet?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*

- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
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News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

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News/RSS Feeds
TOXMAP News

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In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

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Sent: 26 Jun 2019 12:42:23 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Chang, Florence (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: SIS Sunset map June25.xlsx

Hi all –
Here is the updated map.

Janice

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 10:27 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
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Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
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To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>

Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging. Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894

Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some

clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.

- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

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From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette

ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole

(NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

	A	B	C	D	E	F	G
1	**Offering**	**Going to or Sunset**	**Person**	**Communication Plan**	**Alt Resources**	**External Messages**	**Notes**
2	TOXNET	Sunset	Jeanne	in the portal	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Part of the TOXNET integration with NCBI platforms
3	Hazardous Substance Databank	BSD	Bert		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI platforms in 2020
4	ChemIDplus	BSD	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020
5	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site.

	A	B	C	D	E	F	G
6	IRIS (Integrated Risk Information System	Sunset	Jeanne	in development	Iris at EPA link	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link to IRIS page at EPA	Retire in fall 2019; remove from NLM products &service list
7	ITER (International Toxicity Estimates for Risk)	Sunset	Bert	in the portal		TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the sunset notice.	Sunset in fall 2019. Remove from NLM Products & Services list. May survive sunset if contractor issue is resolved
8	Gene-TOX	Sunset	Jeanne	in development	PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in PubChem" on the page.	Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?
9	CPDB (Carcinogenic Potency Database)	Sunset	Jeanne	approved pre-portal		TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP.	Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and Services list
10	CRISS (Chemical Carcinogenic Potency Database	Sunset	Jeanne	in development	PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from transition page.

	A	B	C	D	E	F	G
11	LactMed	BSD	Jeanne		Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include a link to Lactmed in Bookshelf	Content managed at BSD, public facing in Bookshelf, app will be maintained
12	Alt Bib (Alternatives to Animal Testing)	BSD	Bert		PubMed		Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page
13	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
14	Dietary Supplement Label database and Ingredient database	ODS	Jeanne		new url at ODS when moved	Provide message on page with new link when it is available and move date established	Moving to ODS May, 2020. Then remove from the NLM Products & Services
15	Household Products	BSD	Bert				
16	DERMAL	Sunset	Bert	in development	CHEMM	See message in sunset plan; include link to CHEMM	Content is merged into CHEMM
17	LiverTox	NCBI				TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and will link to LiverTox in Bookshelf	Moving to Bookshelf, change url in prod & services

	A	B	C	D	E	F	G
18	CTD (Comparative Toxicogenomics Database)	Sunset	Bert	in development		TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include notice of sunset	Will retire in fall with other TOXNET offerings with the TOXNET integration into NCBI platforms, remove from NLM Products and Services list
19	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
20	DART (Developmental and Reproductive Toxicology Database)	Sunset	Jeanne	in the portal	DART [subset] in PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page	Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms
21	HazMap	Sunset	Bert	in development		See message in plan	License ends in July, 2019 and will not be renewed. Message in Tech Bulletin, remove from Products & Services. Contact DOL
22	TRI	Sunset	Colette	in the portal	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services
23	FDA Substance Registry System	BSD	Jeanne				Part of ChemIDplus
24	CHEMSpell API	Sunset	Florence	in the portal		The ChemSpell API service will retire in the Fall of 2019. The algorithm used for chemical spellchecking and the software is outdated and cannot be sustained.	Remove from NLM Products & Services, no alternative references available

	A	B	C	D	E	F	G
25	Data Discovery	BSD	David H				
26	Disaster Lit	PSD	Stacey				
27	NIH DR2	Sunset???	Stacey	to be developed		See plan for message	Future uncertain: May sunset and perhaps move to NIEHS
28	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
29	REMM (Radiation Emergency Medical Management)	PSD	Stacey				App will be maintained
30	CHEMM (Chemical Hazards Emergency Medical Management)	PSD	Jen/Bert				
31	All Hazard Plan	Sunset	Jen	in the portal		The NLM version of All Hazard Plan will sunset inn September 2019 ASPR will host the site in FY2019 – FY2020 time frame (link to URL).	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in maintenance mode.
32	Pillbox	BSD	David H				
33	Drug info portal	BSD	Jeanne				

	A	B	C	D	E	F	G
34	American Indian Health	Sunset	Laura	in the portal	Medlineplus	The American Indian and Alaska Native portal (https://americanindianhealth.nlm.nih.gov) will be retired on June 30, 2019. Please use the Medlineplus "Native American Health" page for information about American Indian and Alaska Native health at https://medlineplus.gov/nativeamericanhealth.html. If you have any questions, please contact NLM customer support at https://support.nlm.nih.gov/.	Notice on website, notice in Technical bulletin, outreach social media feeds, remove link in NLM Prod & Services
35	HealthReach	PSD	Laura		Medlineplus		Under study at LO to determine if integrating into Medlineplus
36	Arctic Health	Sunset	Laura	in the portal	Univ of AK - https://arctichealth.org/	The Arctic Health portal moved to a new home on September 28, 2018. The University of Alaska Anchorage will continue to host and maintain the publications database at https://arctichealth.org/. Content from NLM hosted Arctic Health has been moved into the database and the search engine has been enhanced. Please bookmark the new URL for Arctic Health at https://arctichealth.org/.	Notice on site, Tech Bulletin, social media, remove from Prod&Services, contact UofA personnel (this is done)

	A	B	C	D	E	F	G
37	Environmental Health Student Portal	Sunset	Alla	in the portal	ToxTown	See message in plan	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products & services
38	ToxTown	PSD	Alla				
39	CHIRR	Sunset	Janice	approved pre-portal	PubMed, CDE	Notice on website (done), Contacted 2 authors (done)	Sent file to 1 author at his request
40	GeneEd	Sunset	Alla	approved pre-portal	GHR	Notice on GeneEd, Technical Bulletin - both done	Sunsetted at end of Feb, selected content available in GHR
41	ToxMystery	Sunset	Florence	approved pre-portal			done
42	SIS Main website	Sunset	Florence /OCCS	See the Division of SIS plan	NLM main	Post on the SIS homepage before June 23, 2019 - This site will retire on (TBD). Please use NLM.nih.gov to find NLM products and services or contact NLM customer services for assistantce (provide link)	RWS/WIM will look for SIS content and links on the NLM main and send report to LO
43	AIDSource	OCPL	Nicole				Under study at LO to determine if integrating into Medlineplus
44	AIDSinfo	OCPL	Nicole				
45	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG reviewed.
46	DIMRC website	PSD	Stacey				In team site and will move with staff and DIMRC resources
47	**PROGRAMS**						

	A	B	C	D	E	F	G
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia as task mgr
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead

	A	B	C	D	E	F	G
55	K-12 Program	Sunset	Alla	in the portal	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website. Make a list of unique assets from page
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement
57	Disaster Information Specialist	PSD	Stacey Siobhan				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	**SOCIAL MEDIA**						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and General Topic.
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest - HIV Community Information Outreach

	A	B	C	D	E	F	G
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) •○HIV Community Information Outreach
61	K-12 Science and Health Education	Sunset	Alla	in the portal		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter Outreach (50)

	A	B	C	D	E	F	G
62	#NAME?	Sunset	Colette	in the portal		See message in plan	Delete in June. Remove from https://www.nih.gov/ news-events/social- media-outreach
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information -STEM Newsletter

	A	B	C	D	E	F	G
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and News
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolence	Alla				
67	Animations in YouTube	TBD	Alla				

	A	B	C	D	E	F	G
68	Division of Specialized Information Services	Sunset	Florence /OCPL	in the portal	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM main
69							
70							

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 26 Jun 2019 11:36:36 -0400
To: Nurik, Jody (NIH/NLM) [E]
Subject: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	ITER (International Toxicity Estimates of Risk)
Description	ITER has been a TOXNET database for almost 20 years. It contains data in support of human health risk assessments and is currently compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s) Supporting Justification	ITERonUCWebSIte.docx

Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen Jeanne Goshorn Wei Ma David Gillikin Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their

	content, see the TOXNET transition page.
Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, Colleagues at EPA, NIEHS, NNLM, Society of Toxicology, etc.
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and

	work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	12/01/2019
Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings. In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No
Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information	
Request ID	321
Task ID	381
Request Status	Associate Director Approved
Created By	Pertti Hakkinen
Date Created	06/21/2019 04:25 p.m.

APPROVE	**RETURN** *	**REJECT** *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/NLM) [E]
Sent: 26 Jun 2019 18:43:53 +0000
To: Nguyen, Pam (NIH/NLM) [E]
Subject: FW: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)
Attachments: SIS Sunset map June25.xlsx

Can you print off 3 of these on legal size paper now?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, June 26, 2019 8:42 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi all –
Here is the updated map.

Janice

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 10:27 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice,

Can you provide us with the most up-to-date version of the spreadsheet?

Thanks,
Jody

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, June 3, 2019 9:27 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E]

<arneses@mail.nlm.nih.gov>
Subject: RE: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi everyone,
Attached is the SIS roadmap for sunsets for resources/offerings, programs and social media as requested. As you will note not all decisions have been made and not communications plans completed. Many decisions rest with LO in the future.

Janice

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 30, 2019 6:57 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Follow-up: SIS Sunset Plans (Programs, Offerings, and Social Media)

Hi Janice (SIS Team),

As a follow-up to the meeting with SIS and OCPL held on 5/28, there were a few takeaways for consideration:

- SIS still needs to decide which programs are going to sunset vs. move to other NLM programs. *Jody advised to enter this information into the sunsetting system for tracking and so that these "sunset plans" are not lost once Janice and Florence retire at the end of June.*
- Program audiences (Outreach to Specific Populations, K-12 Science and Health Education, and NLM Toxicology and Environmental Health) have their own messages for each audience. *Jody advised SIS to enter this info in the sunsetting system as well so that OCPL can determine what assistance is needed*.
- In addition to social media and offerings, there's a need to include "programs" in the sunsetting system and include details about the offerings and social media accounts associated with each program. Including program information will be helpful to align the offerings and social media accounts with the appropriate information that is relevant to the audience(s).
- SIS still needs to identify, by offering and program, what government and government-funded resources can be provided or pointed to for an offering and program that is being sunset. *Again, include in the sunset system*.
- Florence/SIS needs to identify where the SIS program information should appear on NLM web pages, NNLM information, etc. *Per Jody, these recommendations should be included in the sunset system.*
- SIS (Janice) will provide a matrix document to OCPL to help identify the disposition of SIS programs, offerings and social medial accounts - is it being sunset, moving to another NLM program, or a decision still needs to be made?

Once Janice provides the above mentioned information (mainly the matrix document) and the information is entered into the sunset system, OCPL can assist and provide guidance for the messaging.

Following this message, Grace will provide the sample documents referenced in the meeting as well as a spreadsheet (template) with categories of information that should be included in the matrix. **Please provide the matrix no later than Tuesday, June 4th**.

As Jody will be out of the office most of next week, I will work with our SIS team to move the sunset plans along. So, please let me know if I can assist in any way.

Regards, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 1:42 PM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: RE: Meeting with OCPL re: SIS sunset plans (social media and offerings)

It was my understanding that OCPL would be providing US with guidance on how to write the messages, based on what we are entering into the sunsetting system. Now it appears that OCPL wants the messages written and provided up front? I am confused.

Thanks for your assistance in this.

Siobhan

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, May 23, 2019 11:42 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Subject: Meeting with OCPL re: SIS sunset plans (social media and offerings)

Hi Siobhan and Janice,

I confirmed the meeting with Jody and OCPL staff that will be working with SIS on the sunset plans. In preparation for the meeting on 5/28, I asked if there were any specific guidance that could be shared in advance of the meeting based on information already received and info forthcoming. The following comment(s) may be helpful for submissions:

- SIS should look at how frequently, through what mechanism, and what the message should be for each of the offerings they are submitting for sunset. (For example, Twitter: 3 tweets/week for four weeks letting followers know the account is closing and directing followers to @NLM_News for future information from NLM.)
- If there is information about communications regarding the offering submitted for sunset that have already happened with stakeholders, that should be documented. There should be some clear and basic communication strategies outlined for each offering. For example, what is the message they propose emailing to HHS ASPR to let them know they will be transferring the technology and web content to them for the All Hazards Plan Website? They need to share that content, not just that they will email them.
- Please provide the updated list of SIS sunset offerings prior to 5/28

Please provide the updated list of sunset offerings prior to the meeting. If there are questions from OCPL, they can be prepared to ask during the meeting.

I hope this helps!

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 8:55 AM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; NLM SIS ONSITE STAFF <NLMSISONSITESTAFF@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

I have not heard back from Laura about the Health Reach updates on gov delivery.

I think I saw somewhere that NLM_HIV twitter handle is remaining active. So one report for Gov Delivery would be (assuming Health Reach update is going away). I will ask Ilyse to write these up, with the

justification being that the offerings associated with the social media and news accounts are being sunset.

HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations

And for twitter is just @NLM_SIS

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Wednesday, May 15, 2019 7:47 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

That sounds good to me. I was thinking we couldn't have written one sunset plan for GovD and listed the ones to be retired and done the same for Twitter saving a lot of work. I think Florence would be ok with that plan…

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, May 14, 2019 1:08 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

The Funding Opportunities for Disaster Health Info Products hasn't been in Gov Delivery for years. I was looking into it because it was on this page https://sis.nlm.nih.gov/listservnewsmedia.html

But I actually don't think it needs sunsetting because we sunset it a long time ago, when we stopped providing funding. There is no longer a Gov Delivery Topic for it, and hasn't been for a while.

Siobhan

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 2:23 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Thanks. Once they are in the sunset portal, Florence can approve and send on to Jerry and OCPL. Be sure to close them out in the OERS system. Ilyse can help with that as well. She will need ending stats…

Thanks, Janice

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 3:18 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>
Cc: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Argoti, Julian (NIH/NLM) [C] <julian.argoti@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Kramer, Ilyse (NIH/NLM) [C] <ilyse.kramer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: FW: SIS social media and gov delivery - Guidance from OCPL
Importance: High

Per an email from Janice:
Please enter your sunsetted social media handles into the system before June 23 and let Janice and I know you have done so, or that it will not be sunset. https://sunsetting.nlm.nih.gov. You will have to write a brief description and justification. Work with the product manager if you have questions on how to write up the entry for sunsetting the offering.

Siobhan

Email Updates

Funding Opportunities for Disaster Health Information Projects- Siobhan
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources - LAURA
K12NLMRESOURCES – For educators interested in NLM's online education resources - ILYSE
NLM_SIS Weekly Twitter Digest ILYSE
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations ILYSE
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health COLETTE

News/RSS Feeds
TOXMAP News COLETTE

Twitter
@NLM_HIV – NLM HIV/AIDS Information NICOLE/JULIAN
@NLM_SIS – Clinical and non-clinical toxicology ILYSE

From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 12:26 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>

Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Siobhan,
Everyone has access to the sunsetting system, sorry I forgot to include that – https://sunsetting.nlm.nih.gov. Unfortunately the digital communications team will need to reconvene and keep on top of this before June 23.

As for the orphan accounts I believe:

HealthREach – Laura
Tox and Enviro Health – Colette
ToxMAP – Colette
@NLM-HIV – Nicole and Julian

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Monday, May 13, 2019 1:10 PM
To: Kelly, Janice (NIH/NLM) [E] <janice.kelly@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Janice,
The person who manages the product should decide whether or not to keep the social media/gov delivery/email. Once that decision is made, then the products being sunsetted need to be entered into the system, which I have no access to. Then OCPL will write up the sunset messages for us.

You, or whomever enters the items to be sunset into the system need to talk with product owners, not the digital communications team, which is basically defunct now. Below is my best guess of what should be sunsetted. (see https://sis.nlm.nih.gov/listservnewsmedia.html#facebook)

Sunset: in yellow, I don't know.

Email Updates

Funding Opportunities for Disaster Health Information Projects
HealthReach Updates - Shares recent updates to the HealthReach website, where public health professionals can find multilingual health resources
K12NLMRESOURCES – For educators interested in NLM's online education resources
NLM_SIS Weekly Twitter Digest
NLM Outreach to Specific Populations Email Updates - Shares information and discusses outreach to specific populations
NLM Toxicology and Environmental Health Information Email Updates – News on resources, services, and outreach in toxicology and environmental health

News/RSS Feeds
TOXMAP News

Twitter
@NLM_HIV – NLM HIV/AIDS Information
@NLM_SIS – Clinical and non-clinical toxicology, environmental health and disaster information updates

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From: Kelly, Janice (NIH/NLM) [E]
Sent: Monday, May 13, 2019 11:58 AM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Sellers, Karen (NIH/NLM) [E] <karen.sellers@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Pakiam, Jennifer (NIH/NLM) [E] <pakiamj@mail.nlm.nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Subject: RE: SIS social media and gov delivery - Guidance from OCPL

Hi Siobhan,
Florence and I think the digital communications committee needs to write the sunset plans so she can approve them. We expect to keep, at least in the short term, all the product email and Twitter accounts – HIV/AIDS, REMM, WISER, CHEMM. The ones to be closed are the SIS program ones such as K12, OSP, SIS Weekly and @NLM_SIS. Colette can either close now or in September the TOXMAP news. The NLM Toxicology and Environmental Health Information email updates can remain if someone in PSD or BSD continues it.

In addition these also need to have a closing date and numbers added to the OERS.

Let me know if you have any questions.

Thanks, Janice

	A	B	C	D	E	F	G
1	**Offering**	**Going to or Sunset**	**Person**	**Communication Plan**	**Alt Resources**	**External Messages**	**Notes**
2	TOXNET	Sunset	Jeanne	in the portal	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Part of the TOXNET integration with NCBI platforms
3	Hazardous Substance Databank	BSD	Bert		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI platforms in 2020
4	ChemIDplus	BSD	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020
5	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site.

	A	B	C	D	E	F	G
6	IRIS (Integrated Risk Information System	Sunset	Jeanne	in development	Iris at EPA link	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link to IRIS page at EPA	Retire in fall 2019; remove from NLM products &service list
7	ITER (International Toxicity Estimates for Risk)	Sunset	Bert	in the portal		TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the sunset notice.	Sunset in fall 2019. Remove from NLM Products & Services list. May survive sunset if contractor issue is resolved
8	Gene-TOX	Sunset	Jeanne	in development	PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in PubChem" on the page.	Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?
9	CPDB (Carcinogenic Potency Database)	Sunset	Jeanne	approved pre-portal		TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP.	Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and Services list
10	CRISS (Chemical Carcinogenic Potency Database	Sunset	Jeanne	in development	PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from transition page.

	A	B	C	D	E	F	G
11	LactMed	BSD	Jeanne		Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include a link to Lactmed in Bookshelf	Content managed at BSD, public facing in Bookshelf, app will be maintained
12	Alt Bib (Alternatives to Animal Testing)	BSD	Bert		PubMed		Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page
13	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
14	Dietary Supplement Label database and Ingredient database	ODS	Jeanne		new url at ODS when moved	Provide message on page with new link when it is available and move date established	Moving to ODS May, 2020. Then remove from the NLM Products & Services
15	Household Products	BSD	Bert				
16	DERMAL	Sunset	Bert	in development	CHEMM	See message in sunset plan; include link to CHEMM	Content is merged into CHEMM
17	LiverTox	NCBI				TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and will link to LiverTox in Bookshelf	Moving to Bookshelf, change url in prod & services

	A	B	C	D	E	F	G
18	CTD (Comparative Toxicogenomics Database)	Sunset	Bert	in development		TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include notice of sunset	Will retire in fall with other TOXNET offerings with the TOXNET integration into NCBI platforms, remove from NLM Products and Services list
19	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
20	DART (Developmental and Reproductive Toxicology Database)	Sunset	Jeanne	in the portal	DART [subset] in PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page	Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms
21	HazMap	Sunset	Bert	in development		See message in plan	License ends in July, 2019 and will not be renewed. Message in Tech Bulletin, remove from Products & Services. Contact DOL
22	TRI	Sunset	Colette	in the portal	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services
23	FDA Substance Registry System	BSD	Jeanne				Part of ChemIDplus
24	CHEMSpell API	Sunset	Florence	in the portal		The ChemSpell API service will retire in the Fall of 2019. The algorithm used for chemical spellchecking and the software is outdated and cannot be sustained.	Remove from NLM Products & Services, no alternative references available

	A	B	C	D	E	F	G
25	Data Discovery	BSD	David H				
26	Disaster Lit	PSD	Stacey				
27	NIH DR2	Sunset???	Stacey	to be developed		See plan for message	Future uncertain: May sunset and perhaps move to NIEHS
28	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
29	REMM (Radiation Emergency Medical Management)	PSD	Stacey				App will be maintained
30	CHEMM (Chemical Hazards Emergency Medical Management)	PSD	Jen/Bert				
31	All Hazard Plan	Sunset	Jen	in the portal		The NLM version of All Hazard Plan will sunset inn September 2019 ASPR will host the site in FY2019 – FY2020 time frame (link to URL).	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in maintenance mode.
32	Pillbox	BSD	David H				
33	Drug info portal	BSD	Jeanne				

	A	B	C	D	E	F	G
34	American Indian Health	Sunset	Laura	in the portal	Medlineplus	The American Indian and Alaska Native portal (https://americanindianhealth.nlm.nih.gov) will be retired on June 30, 2019. Please use the Medlineplus "Native American Health" page for information about American Indian and Alaska Native health at https://medlineplus.gov/nativeamericanhealth.html. If you have any questions, please contact NLM customer support at https://support.nlm.nih.gov/.	Notice on website, notice in Technical bulletin, outreach social media feeds, remove link in NLM Prod & Services
35	HealthReach	PSD	Laura		Medlineplus		Under study at LO to determine if integrating into Medlineplus
36	Arctic Health	Sunset	Laura	in the portal	Univ of AK - https://arctichealth.org/	The Arctic Health portal moved to a new home on September 28, 2018. The University of Alaska Anchorage will continue to host and maintain the publications database at https://arctichealth.org/. Content from NLM hosted Arctic Health has been moved into the database and the search engine has been enhanced. Please bookmark the new URL for Arctic Health at https://arctichealth.org/.	Notice on site, Tech Bulletin, social media, remove from Prod&Services, contact UofA personnel (this is done)

	A	B	C	D	E	F	G
37	Environmental Health Student Portal	Sunset	Alla	in the portal	ToxTown	See message in plan	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products & services
38	ToxTown	PSD	Alla				
39	CHIRR	Sunset	Janice	approved pre-portal	PubMed, CDE	Notice on website (done), Contacted 2 authors (done)	Sent file to 1 author at his request
40	GeneEd	Sunset	Alla	approved pre-portal	GHR	Notice on GeneEd, Technical Bulletin - both done	Sunsetted at end of Feb, selected content available in GHR
41	ToxMystery	Sunset	Florence	approved pre-portal			done
42	SIS Main website	Sunset	Florence /OCCS	See the Division of SIS plan	NLM main	Post on the SIS homepage before June 23, 2019 - This site will retire on (TBD). Please use NLM.nih.gov to find NLM products and services or contact NLM customer services for assistantce (provide link)	RWS/WIM will look for SIS content and links on the NLM main and send report to LO
43	AIDSource	OCPL	Nicole				Under study at LO to determine if integrating into Medlineplus
44	AIDSinfo	OCPL	Nicole				
45	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG reviewed.
46	DIMRC website	PSD	Stacey				In team site and will move with staff and DIMRC resources
47	**PROGRAMS**						

	A	B	C	D	E	F	G
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia as task mgr
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead

	A	B	C	D	E	F	G
55	K-12 Program	Sunset	Alla	in the portal	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website. Make a list of unique assets from page
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement
57	Disaster Information Specialist	PSD	Stacey Siobhan				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	**SOCIAL MEDIA**						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and General Topic.
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest - HIV Community Information Outreach

	A	B	C	D	E	F	G
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) •○HIV Community Information Outreach
61	K-12 Science and Health Education	Sunset	Alla	in the portal		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter Outreach (50)

	A	B	C	D	E	F	G
62	#NAME?	Sunset	Colette	in the portal		See message in plan	Delete in June. Remove from https://www.nih.gov/ news-events/social- media-outreach
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information -STEM Newsletter

	A	B	C	D	E	F	G
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and News
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolence	Alla				
67	Animations in YouTube	TBD	Alla				

	A	B	C	D	E	F	G
68	Division of Specialized Information Services	Sunset	Florence /OCPL	in the portal	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM main
69							
70							

From: Nurik, Jody (NIH/NLM) [E]
Sent: 26 Jun 2019 18:59:13 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: Updated SIS sunset plan
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062619V1.docx

For reference if needed for our discussion at 3pm.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Collins/Dr. Tabak	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018**,** NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was	Wednesday, 6/26

	designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM Broadcast Email from Dr. Brennan	Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become mc efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated ir other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enables NLM to better leverage its talen and resources. With a long and important history, SIS has provided more than 50 years of service to NLM ar the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to includ	Friday, 6/28

	what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made on the SIS home page at https://sis.nlm.nih.gov. With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florence Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for the service and wishing them well as they take on new ventures. While change can be difficult, I believe it will produce a stronger NLM that will better serve c broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between ou units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research. Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on SIS Home Page	Please note, this page will no longer be available effective 12/1/2019. As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Servic	Friday, 6/28 (live)

	(SIS) division, effective June 30, 2019, and the transition of many SIS programs into other pa of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the S homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	
Technical Bulletin Announcement	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Servic (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other pa of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some underutilized resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the S homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	Friday, 6/28
Social Media Messaging re: Shutdown **A notice will be posted on @nlm_sis**	The following will be sent the week of July 1, 2019 • The @NLM_SIS account is closed as of 7/31/19. Please follow @NLM_News to	Monday, 7/1

Twitter account stating the account will be closed as of 7/31/19	stay up to date! • Please follow @NLM_News to stay up to date on our services. Thank you. • For all the latest information, please follow @NLM_News. Effective 7/31/19 this account will no longer provide updates.	
Follow-Up Musings Blog	OCPL will send Patti talking points for the blog	Recommend by Tuesday, 7/10
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	Monday, 7/1
Web Site Message (6 Pages) **-TEHIP Page** **-TOXNET** **-Chemical and Drug Page** **-HIV/AIDS (AIDSource)** **-Outreach Activities & Resources** **-DIMRC** **-K-12 Science and Health Education**	Please note, this page will no longer be available effective 12/1/19. Visit www.sis.nlm.nih.gov for additional information.	Monday, 7/1
Message for BSD (LO)	Messaging: Welcome to your new home re: scientific review panel. Work will continue.	7/1
ENHIP (Environmental Health Information Partnership)		7/1
NNLM Listserv **(Amanda Wilson sends on Fridays)**		7/1

From: Nurik, Jody (NIH/NLM) [E]
Sent: 27 Jun 2019 12:25:30 +0000
To: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: Revised Plan - please review
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062719V1.docx

Good morning,

I revised the attached per yesterday's discussions and decisions. Please review for accuracy.

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Collins/Dr. Tabak	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018, NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The	By 6/28/19

	program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM Broadcast Email from Dr. Brennan	Dear Colleagues: (BEING REWORKED TO INCLUDE ALL PHASE I UPDATES – will need to go for Patti's review) We have been working diligently to align our organizational structure and offerings wi the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enabl NLM to better leverage its talents and resources. With a long and important history, SIS has provided more than 50 years of service to	By July 9 to coincide with Patti's Blog Post

	NLM and the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. Our new organizational structure strives to create a more collaborative environment f curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, mad accessible on partner sites, or discontinued. We will provide notice of these changes a they are made on the SIS home page at https://sis.nlm.nih.gov. With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florence Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director. They have dedicated their careers to the health of the nation and a strong an trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for their service and wishing them well as they take on new ventures. While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research. Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on SIS Home Page	Please note, this page will no longer be available effective 12/1/2019.	On 7/1

	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS program into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, mad accessible on partner sites, or discontinued. We will provide notice of these changes a they are made. Links to SIS resources and programs in their new locations will be shar on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	
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Social Media Messaging re:	The following will be sent the week of July 1, 2019	Monday,

Shutdown **A notice will be posted on @nlm_sis Twitter account stating the account will be closed as of 7/31/19**	• The @NLM_SIS account is closed as of 7/31/19. Please follow @NLM_News to stay up to date! • Please follow @NLM_News to stay up to date on our services. Thank you. • For all the latest information, please follow @NLM_News. Effective 7/31/19 this account will no longer provide updates.	7/1
Follow-Up Musings Blog	OCPL will send Patti talking points for the blog	7/9
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	Monday, 7/1
Web Site Message (6 Pages) **-TEHIP Page** **-TOXNET** **-Chemical and Drug Page** **-HIV/AIDS (AIDSource)** **-Outreach Activities & Resources** **-DIMRC** **-K-12 Science and Health Education**	Please note, this page will no longer be available effective 12/1/19. Visit www.sis.nlm.nih.gov for additional information.	7/1
Message for BSD (LO)	Messaging: Welcome to your new home re: scientific review panel. Work will continue.	7/1
ENHIP (Environmental Health Information Partnership)	Same as Technical Bulletin content	7/1
NNLM Listserv **(Amanda Wilson sends on Fridays)**	Repurpose Technical Bulletin content	7/5 or 7/12

From: Scott, Nicole (NIH/NLM) [E]
Sent: 27 Jun 2019 12:34:00 +0000
To: Nurik, Jody (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: Fwd: SIS sunset message to be posted on TEHIP home page and toxnet home page

Hi Jody,

Grace and I just spoke about this....

1) Grace is going to confirm the message as we changed the version a few times.

2) Grace and I agree that someone else (OCCS) will need to have access after Florence leaves just in case there are changes.

Your thoughts?

Nicole

Begin forwarded message:

> **From:** "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>
> **Date:** June 27, 2019 at 5:46:52 AM EDT
> **To:** "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
> **Subject: SIS sunset message to be posted on TEHIP home page and toxnet home page**
>
> Nicole,
>
> Since I only have 2 days left, could you give me a preview of the message that is going to be posted on toxnet home page and TEHIP home page?
>
> In both cases, the message will point users to the SIS home page to tell them about the reorg.
>
> Since the space on TOXNET is limited for messages, could you give me a preview so I can fit it in there to make sure it will not break the page? I will ask Hannah to "make it live" when NLM is ready to release the message.
>
> Once I am gone, the IT people here are not able to adjust the style sheet. And OCCS people don't have access to TOXNET. So I would like to make sure it is done properly before I leave.
>
> Thanks!

Florence

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 27 Jun 2019 13:16:27 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: Action needed: SIS Sunset email for Dr. Collins and Dr. Tabak - to get sent out by tomorrow, June 28

Thank you, Jody. This looks great.

Jerry

From: Nurik, Jody (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 9:14 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Action needed: SIS Sunset email for Dr. Collins and Dr. Tabak - to get sent out by tomorrow, June 28

Hi Jerry,

Below is an email for you to send to Dr. Collins and/or Dr. Tabak about the SIS sunset. Please let me know if you need anything else.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

Message: As outlined in the Phase 1 concept plan that was approved in late 2018, NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition.

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Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

From: Brennan, Patti (NIH/NLM) [E]
Sent: 27 Jun 2019 12:39:30 -0400
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: Re: Action needed: SIS Sunset email for Dr. Collins and Dr. Tabak - to get sent out by tomorrow, June 28

I don't seem to have it – thanks for following up
p

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>
Date: Thursday, June 27, 2019 at 11:43 AM
To: Patti Brennan <patti.brennan@nih.gov>
Subject: RE: Action needed: SIS Sunset email for Dr. Collins and Dr. Tabak - to get sent out by tomorrow, June 28

If Jody hasn't already sent you the full comms plan, I'll ask her to do so today.

Jerry

From: Brennan, Patti (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 11:07 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Re: Action needed: SIS Sunset email for Dr. Collins and Dr. Tabak - to get sent out by tomorrow, June 28

I really want to see the whole communication. Plan for this rather than respond one by one

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 10:04:13 AM
To: Brennan, Patti (NIH/NLM) [E]
Subject: FW: Action needed: SIS Sunset email for Dr. Collins and Dr. Tabak - to get sent out by tomorrow, June 28

Patti,

Below is a draft message to send to Francis and Larry to inform them of the closure of SIS, in the off-chance they are asked about it or hear complaints from the community. I've put it in the context of the larger reorg, but focus on SIS since that is the element of phase 1 that is most visible to the community.

Jerry
==========

Francis, Larry,
I am pleased to inform you that as of June 30, NLM will have completed the first phase of the reorganization that was approved late last year. While all components of NLM have been touched in some way by this reorganization, the most visible component is the closure of NLM's Specialized Information Services (SIS) Division, effective June 30, 2019. SIS was established in 1967 to fulfill recommendations of the President's Science Advisory Committee to create computerized toxicology information and data banks and also played key roles in health information outreach to special populations and disaster health information management.

With the reorganization, some SIS information services and programs will be transferred to other divisions of NLM, while others will be terminated or transitioned to other organizations. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by NCBI, including PubChem. Other continuing activities will be integrated into NLM's Library Operations Division to improve operational efficiencies and effectiveness. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions and a number of contracts are being scaled back or terminated.

NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they transition to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no important information is lost. The new locations for the resources will be shared on the NLM and SIS homepages.

I have been assisted in this reorganization by NLM's Leadership team, each of who has played a key role in effecting the change. I am particularly grateful to Florence Chang and Janice Kelly, Acting Director and Deputy Director of SIS, respectively, who have led the SIS staff during this transition and both of whom will retire on June 30.

We at NLM look forward to preparing the next phases of our reorganization, which will aim to strengthen our science and our operational services.

Patti

From: Nurik, Jody (NIH/NLM) [E]
Sent: 27 Jun 2019 17:02:38 +0000
To: Scott, Nicole (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: SIS Sunset_Communication Messages and Distribution Plan 062719V2.docx
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062719V2.docx

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Collins/Dr. Tabak	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018, NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The	6/28/19

	program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM Broadcast Email from Dr. Brennan	(BEING REWORKED TO INCLUDE ALL PHASE I UPDATES – will need to go for Patti's review) Dear Colleagues: We have been working diligently to align our organizational structure and offerings wi the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enabl NLM to better leverage its talents and resources.	By July 9 to coincide with Patti's Blog Post

With a long and important history, SIS has provided more than 50 years of service to NLM and the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment f curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner site or discontinued. We will provide notice of these changes as they are made on the SIS home page at https://sis.nlm.nih.gov.

With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florence Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director. They have dedicated their careers to the health of the nation and a strong an trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for their service and wishing them well as they take on new ventures.

While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine

Message on SIS Home Page	Please note, this page will no longer be available effective 12/1/2019. As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of mar SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	On 7/1
Technical Bulletin Announcement	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS program into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner site or discontinued. We will provide notice of these changes as they are made. Links to SI resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to	The week of 7/1

	custserv@nlm.nih.gov or 1-888-346-3656.	
Social Media Messaging re: Shutdown **A notice will be posted on @nlm_sis Twitter account stating the account will be closed as of 7/31/19**	The following will be sent the week of July 1, 2019 • The @NLM_SIS account is closed as of 7/31/19. Please follow @NLM_News to stay up to date! • Please follow @NLM_News to stay up to date on our services. Thank you. • For all the latest information, please follow @NLM_News. Effective 7/31/19 this account will no longer provide updates.	7/1
Musings Blog	OCPL will send Patti talking points for the blog – a continuation of the January 2, 2019 blog post.	7/9
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	7/1
Web Site Message (6 Landing Pages) **-TEHIP Page** **-TOXNET** **-Chemical and Drug Page** **-HIV/AIDS (AIDSource)** **-Outreach Activities & Resources** **-DIMRC** **-K-12 Science and Health Education**	Please note, this page will no longer be available effective 12/1/19. Visit www.sis.nlm.nih.gov for additional information.	7/1
Message for BSD (LO)	Messaging: Welcome to your new home re: scientific review panel. Work will continue.	Week of July 8
ENHIP (Environmental Health Information Partnership)	Same as Technical Bulletin content	Week of July 8
NNLM Listserv **(Amanda Wilson sends on Fridays)**	Repurpose Technical Bulletin content	7/12

From: Scott, Nicole (NIH/NLM) [E]
Sent: 27 Jun 2019 18:54:32 +0000
To: Brennan, Patti (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Nurik, Jody (NIH/NLM) [E]
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review (Communication Message and Distribution Plan)
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062719V2.docx

Hi Dr. Brennan,

Per your request, please find attached the *Communication Message and Distribution Plan* for the sunsetting of SIS. It includes draft web, email, technical bulletin, and social media content as well as the proposed timeline for distribution through these channels. Below is an overview of the schedule.

By June 28, 2019

- Provide Jerry S. with talking points for Dr. Collins and Dr. Tabak
- Update Terry Ahmed, as the custserv@nlm.nih.gov may get questions

On July 1, 2019

- Post SIS Homepage Message
- Post SIS Sunset Message on the SIS Landing Pages (6) Top Banner Notice
- Post the updated NLM Organizational Chart on all pages where it appears on the NLM site
- Post on the @nlm_sis profile page stating the account is closing as of July 31

Week of July 1, 2019

- Tweet on the @nlm_sis handle stating the account is closing as of July 31
- Send Technical Bulletin message

Week of July 8, 2019

- Post Musings Blog
- Send NLM Broadcast email from Dr. Brennan
- Send BSD Email – Bert Hakinnen will send to Scientific Review Panel
- NNLM Listserv – Amanda Wilson will send to NNLM
- Environmental Health Information Partnership (EnHIP) – Cynthia Gaines/Amanda Wilson will send to EnHIP members

Nicole S.

From: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
Date: June 27, 2019 at 12:50:54 PM EDT
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Jody
Please send me the entire communication plan for the Phase 1 reorganization – It will help me understand the how the different messages fit together

I think that the language below is still confusing because it refers to "some" will be transitioned, be integrated, made accessible or discontinued - -what about the others?

p

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Thursday, June 27, 2019 at 12:47 PM
To: Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>, Patti Brennan <patti.brennan@nih.gov>
Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti and Jerry,

How about the below? We need to finalize the language today in order have updates made to the websites on Monday.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 11:48 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

The first sentence makes it sound like all SIS resources will transition to other parts of NLM. I think we need something along the lines of "some, most, many" and "the rest"

Jerry

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 10:13 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Jerry,

We recommend breaking this up into 2 sentences:

Over the next few months, SIS resources and programs will transition to other parts of NLM. Some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued.

Approved?

Nicole

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 9:24 AM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

How about "many" and "others". . .

"Over the next few months, many SIS resources and programs will transition to other parts of NLM, while others will be integrated into other NLM resources, made accessible on partner sites, or discontinued.

From: Brennan, Patti (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 8:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review

This sentence is unclear to me –
“Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. “ I get the message but the ‘many’ then “while some” sounds squishy

Otherwise good to go

p

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Thursday, June 27, 2019 at 8:20 AM
To: Patti Brennan <patti.brennan@nih.gov>
Cc: Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti,

We met with Jerry and OCPL will be drafting a new NLM Broadcast email and talking points for your blog post to include the organizational changes highlighted below.

In the meantime, we are working on messaging for the SIS home page to post on Monday and wanted to circle back to see if the below is okay with you.

Thanks,
Jody

General SIS Sunset Message – DRAFT

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM’s broad set of users,but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

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Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

From: Brennan, Patti (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 7:29 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review - Please disregard the earlier email

Thanks everyone
I want to understand why we are focusing only on SIS, when the organizational changes involve SIS, APDB, LO and OCCS — please provide me with a more comprehensive communication plan so we can put this in context — do you anticipate making a similar announcement for the other operation later in the summer?

Let's wait til all of this is clarified before we send out any announcements

Thanks
Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 6:16:03 PM
To: Brennan, Patti (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Scott, Nicole (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review - Please disregard the earlier email

Hi Patti,

Florence and Stacy Arnesen just requested that "underutilized" be deleted from the version of the overall SIS sunset message I sent you earlier today. Jerry was okay with the deletion.

The attached reflects the change so if possible, please review this version.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Tuesday, June 25, 2019 at 2:32 PM
To: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
Cc: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti,

Please find attached for your review/comment:

- Page 1 – Is the message for the SIS program sunset. The message was reviewed this morning with Jerry, Todd, Janice, and Florence. We plan to repurpose the message on the SIS homepage to post on July 1 and in the announcement going out in the Technical Bulletin either June 28 or July 1.
- Page 2 – A draft NLM Broadcast email from you to go out this Friday, June 28.

We will soon be providing you with some talking points/rough draft for an upcoming *Musings* blog that I believe Jerry talked to you about. We are recommending the blog goes out either July 3 or 10 to keep SIS sunset communications timely and coordinated.

Please let me know if you have any questions. Thanks.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

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Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Collins/Dr. Tabak	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018, NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory	6/28

	Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM Broadcast Email from Dr. Brennan	(Draft: Still in development; pending Dr. Brennan's review and approval) Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st, th Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enable NLM to better leverage its talents and resources. With a long and important history, SIS has provided more than 50 years of service to NL and the American people. Founded in 1966 in response to the urgent need for a	7/9 Coincides with Patti's Blog Post

coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key.

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While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundari between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine

Message on SIS Home Page	PLEASE NOTE, this page will no longer be available effective 12/1/2019. As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	7/1
Technical Bulletin Announcement	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	The week of 7/1

Social Media Messaging	The following will be sent the week of July 1, 2019 • The @NLM_SIS account is closed as of 7/31/19. Please follow @NLM_News to stay up to date! • Please follow @NLM_News to stay up to date on our services. Thank you. • For all the latest information, please follow @NLM_News. Effective 7/31/19 this account will no longer provide updates. A notice will also be posted on @nlm_sis Twitter profile account stating the account will be closed as of 7/31/19.	7/1
Musings Blog	OCPL will send Patti talking points for the blog – a continuation of the January 2, 2019 blog post.	7/9
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	7/1
Web Site Message (Landing Page) **-K-12 Science and Health Education**	PLEASE NOTE, this page will no longer be available effective 12/1/19. Visit www.sis.nlm.nih.gov for additional information.	7/1
-TEHIP Page **-TOXNET** **-HIV/AIDS (AIDSource)** **-DIMRC** **-Chemical and Drug Information** **-Outreach Activities & Resources**	**Message not confirmed. Resources will transition, have new home pages, etc. Decisions not confirmed.*	TBD
Message for BSD (LO)	Repurpose Technical Bulletin content	Week of 7/8
ENHIP (Environmental Health Information Partnership) (LO)	Repurpose Technical Bulletin content	Week of 7/8
NNLM Listserv (LO)	Repurpose Technical Bulletin content	7/12

From: Scott, Nicole (NIH/NLM) [E]
Sent: 27 Jun 2019 18:34:14 +0000
To: Nurik, Jody (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: RE: bump in the road.....
Attachments: OUR DRAFT for discussion with Jody....

Hi Jody,

I was just drafting you an email. Grace and I finished the message to Dr. Brennan, but ran into a snag….

Florence, followed by Stacey, stopped by your office (Grace and I were there) with great concern about our messages for OCCS. They are adamant about us not posting messages on the secondary landing pages (AIDS, Tox, Chem, DIMRC, TEHIP). But, we should only post on the K12 page and the SIS home page. Florence was in the meeting with us at 3pm when we made this decision, but now there's an issue! We thought it would be best to speak with you, once again, before we send the message to Dr. Brennan and escalate matters….

I attached our draft message for Dr. Brennen. Note that the revised chart includes highlights that we need to address with you before sending along. We were finished with our message when this exchange happened ☺.

Nicole

From: Nurik, Jody (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 2:19 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: Fwd: Overall SIS Sunset Message and NLM Broadcast email for your review

How are you doing with the email to Patti?
Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

Begin forwarded message:

> **From:** "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
> **Date:** June 27, 2019 at 12:50:54 PM EDT
> **To:** "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
> **Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review**

Hi Jody
Please send me the entire communication plan for the Phase 1 reorganization – It will help me understand the how the different messages fit together

I think that the language below is still confusing because it refers to “some” will be transitioned, be integrated, made accessible or discontinued - -what about the others?

p

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Thursday, June 27, 2019 at 12:47 PM
To: Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>, Patti Brennan <patti.brennan@nih.gov>
Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti and Jerry,

How about the below? We need to finalize the language today in order have updates made to the websites on Monday.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 11:48 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

The first sentence makes it sound like all SIS resources will transition to other parts of NLM. I think we need something along the lines of “some, most, many” and “the rest”

Jerry

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 10:13 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Jerry,

We recommend breaking this up into 2 sentences:

Over the next few months, SIS resources and programs will transition to other parts of NLM. Some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued.

Approved?

Nicole

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 9:24 AM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

How about “many” and “others”. . .

“Over the next few months, many SIS resources and programs will transition to other parts of NLM, while others will be integrated into other NLM resources, made accessible on partner sites, or discontinued.

From: Brennan, Patti (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 8:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review

This sentence is unclear to me –
“Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. “ I get the message but the ‘many’ then “while some” sounds squishy

Otherwise good to go

p

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Thursday, June 27, 2019 at 8:20 AM
To: Patti Brennan <patti.brennan@nih.gov>
Cc: Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti,

We met with Jerry and OCPL will be drafting a new NLM Broadcast email and talking points for your blog post to include the organizational changes highlighted below.

In the meantime, we are working on messaging for the SIS home page to post on Monday and wanted to circle back to see if the below is okay with you.

Thanks,
Jody

General SIS Sunset Message – DRAFT

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users,but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued.

We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

From: Brennan, Patti (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 7:29 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review - Please disregard the earlier email

Thanks everyone
I want to understand why we are focusing only on SIS, when the organizational changes involve SIS, APDB, LO and OCCS — please provide me with a more comprehensive communication plan so we can put this in context — do you anticipate making a similar announcement for the other operation later in the summer?

Let's wait til all of this is clarified before we send out any announcements

Thanks
Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 6:16:03 PM
To: Brennan, Patti (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Scott, Nicole (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review - Please disregard the earlier email

Hi Patti,

Florence and Stacy Arnesen just requested that "underutilized" be deleted from the version of the overall SIS sunset message I sent you earlier today. Jerry was okay with the deletion.

The attached reflects the change so if possible, please review this version.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Tuesday, June 25, 2019 at 2:32 PM
To: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
Cc: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti,

Please find attached for your review/comment:

- Page 1 – Is the message for the SIS program sunset. The message was reviewed this morning with Jerry, Todd, Janice, and Florence. We plan to repurpose the message on the SIS homepage to post on July 1 and in the announcement going out in the Technical Bulletin either June 28 or July 1.
- Page 2 – A draft NLM Broadcast email from you to go out this Friday, June 28.

We will soon be providing you with some talking points/rough draft for an upcoming *Musings* blog that I believe Jerry talked to you about. We are recommending the blog goes out either July 3 or 10 to keep SIS sunset communications timely and coordinated.

Please let me know if you have any questions. Thanks.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

From: Scott, Nicole (NIH/NLM) [E]
Sent: 27 Jun 2019 18:24:06 +0000
To: Middleton, Grace (NIH/NLM) [C]
Subject: OUR DRAFT for discussion with Jody....
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062719V2.docx

Dr. Brennan,

Per your request, please find attached the *Communication Message and Distribution Plan* for the sunsetting of SIS. It includes draft web, email, technical bulletin, and social media content, as well as the proposed timeline for distribution through these channels. Below is an overview of the schedule.

By June 28, 2019

- Provide Jerry S. with talking points for Dr. Collins and Dr. Tabak
- Update Terry Ahmed, as the custserv@nlm.nih.gov may get questions

On July 1, 2019

- Post SIS Homepage Message
- Post SIS Sunset Message on the SIS Landing Pages (6) Top Banner Notice
- Post the updated NLM Organizational Chart on all pages where it appears on the NLM site
- Post on the @nlm_sis profile page stating the account is closing as of July 31

Week of July 1, 2019

- Tweet on the @nlm_sis handle stating the account is closing as of July 31
- Send Technical Bulletin message

Week of July 8, 2019

- Post Musings Blog
- Send NLM Broadcast email from Dr. Brennan
- Send BSD Email – Bert Hakinnen will send to Scientific Review Panel
- NNLM Listserv – Amanda Wilson will send to NNLM
- Environmental Health Information Partnership (EnHIP) – Cynthia Gaines/Amanda Wilson will send to EnHIP members

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

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From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 27 Jun 2019 22:48:50 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: FW: Action needed: SIS Sunset email for Dr. Collins and Dr. Tabak - to get sent out by tomorrow, June 28

FYI, below is the version of the Collins/Tabak email that I sent Patti this morning. I had already reframed it as SIS in the context of the larger Phase 1 reorg. . .

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 10:04:13 AM
To: Brennan, Patti (NIH/NLM) [E]
Subject: FW: Action needed: SIS Sunset email for Dr. Collins and Dr. Tabak - to get sent out by tomorrow, June 28

Patti,
Below is a draft message to send to Francis and Larry to inform them of the closure of SIS, in the off-chance they are asked about it or hear complaints from the community. I've put it in the context of the larger reorg, but focus on SIS since that is the element of phase 1 that is most visible to the community.

Jerry
==========

Francis, Larry,
I am pleased to inform you that as of June 30, NLM will have completed the first phase of the reorganization that was approved late last year. While all components of NLM have been touched in some way by this reorganization, the most visible component is the closure of NLM's Specialized Information Services (SIS) Division, effective June 30, 2019. SIS was established in 1967 to fulfill recommendations of the President's Science Advisory Committee to create computerized toxicology information and data banks and also played key roles in health information outreach to special populations and disaster health information management.

With the reorganization, some SIS information services and programs will be transferred to other divisions of NLM, while others will be terminated or transitioned to other organizations. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by NCBI, including PubChem. Other continuing activities will be integrated into NLM's Library Operations Division to improve operational efficiencies and effectiveness. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions and a number of contracts are being scaled back or terminated.

NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they transition to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no important information is lost. The new locations for the resources will be shared on the NLM and SIS homepages.

I have been assisted in this reorganization by NLM's Leadership team, each of who has played a key role in effecting the change. I am particularly grateful to Florence Chang and Janice Kelly, Acting Director and Deputy Director of SIS, respectively, who have led the SIS staff during this transition and both of whom will retire on June 30.

We at NLM look forward to preparing the next phases of our reorganization, which will aim to strengthen our science and our operational services.

Patti

From: Thomas, Phillip (NIH/NLM) [E]
Sent: 28 Jun 2019 11:19:29 +0000
To: Corn, Milton (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Hi,
I am told the major part of the toxicology book collection will be discarded (read "trashed"). George Fonger and I have been able to contact some university researchers to take part of the collection (we have boxed up about 14 boxes and 4 large envelopes of materials), but I am under the impression that SIS is not willing to ship these most critical items.

Do you have any shipping funds that we can ship at least these materials? George estimates that the entire in-house toxicology collection cost over $300,000.

--Phillip
C: Personal Info

From: Corn, Milton (NIH/NLM) [E]
Sent: Thursday, June 20, 2019 11:52 AM
To: Thomas, Phillip (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Phil,

I've contacted a number of people and asked for an explanation of what is happening to this collection and how the decision was reached. I'll let you know how things work out.

Milt Corn

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine
NIH

From: "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>
Date: Wednesday, June 19, 2019 at 11:38 AM
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Subject: SIS toxicology book collection

I understand my former colleague George Fonger spoke with you last week about the dispersal of toxicology interests here in SIS (to be merged with multiple parts of NLM) as of this coming Sunday. If you have any concerns he raised, I am available through my cell phone at: Personal Info

My most urgent frustration is the plan to discard (I believe this means shred rather than find a home for) our toxicology reference collection on Monday. The collection contains hard to acquire books that have been collected over at least 30 years. As this division has worked with Historically Black Colleges and with Regional Medical Centers, I am sure with a little dedication something better than the current plan could be found.

As far as I can see with the Toxnet system, we are changing the essence of NLM from a place where researchers in biomedical interests find resources brought together into an institution which tells researchers to go elsewhere.

In any case, my group is gradually moving back to 38a in the coming months. Although I have been at NLM since 1997, I don't think we have met. George has always talked positively about you. If you are available for coffee someday, do let me know.

Phillip

Phillip Lee Thomas, Ph.D.
TOXNET System Administrator

From: Scott, Nicole (NIH/NLM) [E]
Sent: 28 Jun 2019 12:05:37 +0000
To: Nurik, Jody (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: RE: Can you send me the latest draft of Patti's broadcast email before our 8:30am? If not, no worries.
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062719V2.docx

Hi Jody,

This was the last version Grace and I worked on as of yesterday.

Nicole

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 28, 2019 7:59 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: Can you send me the latest draft of Patti's broadcast email before our 8:30am? If not, no worries.
Importance: High

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Collins/Dr. Tabak	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018, NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory	6/28

	Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM Broadcast Email from Dr. Brennan	(Draft: Still in development; pending Dr. Brennan's review and approval) Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st, th Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enable NLM to better leverage its talents and resources. With a long and important history, SIS has provided more than 50 years of service to NL and the American people. Founded in 1966 in response to the urgent need for a	7/9 Coincides with Patti's Blog Post

coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key.

Over the next few months, some SIS resources and programs will transition to other par of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made on the SIS hom page at https://sis.nlm.nih.gov.

With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florence Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director. They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for their service and wishing them well as they take on new ventures.

While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundari between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine

Message on SIS Home Page	PLEASE NOTE, this page will no longer be available effective 12/1/2019. As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	7/1
Technical Bulletin Announcement	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	The week of 7/1

Social Media Messaging	The following will be sent the week of July 1, 2019 • The @NLM_SIS account is closed as of 7/31/19. Please follow @NLM_News to stay up to date! • Please follow @NLM_News to stay up to date on our services. Thank you. • For all the latest information, please follow @NLM_News. Effective 7/31/19 this account will no longer provide updates. A notice will also be posted on @nlm_sis Twitter profile account stating the account will be closed as of 7/31/19.	7/1
Musings Blog	OCPL will send Patti talking points for the blog – a continuation of the January 2, 2019 blog post.	7/9
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	7/1
Web Site Message (Landing Page) **-K-12 Science and Health Education**	PLEASE NOTE, this page will no longer be available effective 12/1/19. Visit www.sis.nlm.nih.gov for additional information.	7/1
-TEHIP Page **-TOXNET** **-HIV/AIDS (AIDSource)** **-DIMRC** **-Chemical and Drug Information** **-Outreach Activities & Resources**	**Message not confirmed. Resources will transition, have new home pages, etc. Decisions not confirmed.*	TBD
Message for BSD (LO)	Repurpose Technical Bulletin content	Week of 7/8
ENHIP (Environmental Health Information Partnership) (LO)	Repurpose Technical Bulletin content	Week of 7/8
NNLM Listserv (LO)	Repurpose Technical Bulletin content	7/12

From: Middleton, Grace (NIH/NLM) [C]
Sent: 28 Jun 2019 12:09:34 +0000
To: Scott, Nicole (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: Can you send me the latest draft of Patti's broadcast email before our 8:30am? If not, no worries.
Attachments: BroadcastEmail.docx

I was editing the email in a separate Word doc, but it only has some basic notes about the reorganization. I didn't get too far with the blog or email, because I was expecting more feedback from her. I believe the SIS part needs to be cut down.

From: Scott, Nicole (NIH/NLM) [E]
Sent: Friday, June 28, 2019 8:06 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Can you send me the latest draft of Patti's broadcast email before our 8:30am? If not, no worries.

Hi Jody,

This was the last version Grace and I worked on as of yesterday.

Nicole

From: Nurik, Jody (NIH/NLM) [E]
Sent: Friday, June 28, 2019 7:59 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: Can you send me the latest draft of Patti's broadcast email before our 8:30am? If not, no worries.
Importance: High

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

Dear Colleagues:

We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. The first six months of the year have seen a shift toward a more unified and collaborative culture.

Earlier this year, we saw the melding of the Audiovisual Program and Development Branch and the Office of Communication and Public Liaison. This has allowed for a more comprehensive approach to NLM communications. Together, they are creating a strategic approach to design and messaging that will allow us to promote and exemplify the mission to work and serve as one NLM.

OPHIPD also became OSI…

Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enables NLM to better leverage its talents and resources.

With a long and important history, SIS has provided more than 50 years of service to NLM and the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made on the SIS home page at https://sis.nlm.nih.gov.

With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florence Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director. They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for their service and wishing them well as they take on new ventures.

While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine

From: Scott, Nicole (NIH/NLM) [E]
Sent: 28 Jun 2019 12:32:32 +0000
To: Brennan, Patti (NIH/NLM) [E]
Subject: Fwd: Overall SIS Sunset Message and NLM Broadcast email for your review (Communication Message and Distribution Plan)
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062719V2.docx, ATT00001.htm

Sent from my iPhone

Begin forwarded message:

From: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Date: June 27, 2019 at 2:54:32 PM EDT
To: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
Cc: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review (Communication Message and Distribution Plan)

Hi Dr. Brennan,

Per your request, please find attached the *Communication Message and Distribution Plan* for the sunsetting of SIS. It includes draft web, email, technical bulletin, and social media content as well as the proposed timeline for distribution through these channels. Below is an overview of the schedule.

By June 28, 2019

- Provide Jerry S. with talking points for Dr. Collins and Dr. Tabak
- Update Terry Ahmed, as the custserv@nlm.nih.gov may get questions

On July 1, 2019

-

- Post SIS Homepage Message
- Post SIS Sunset Message on the SIS Landing Pages (6) Top Banner Notice
- Post the updated NLM Organizational Chart on all pages where it appears on the NLM site
- Post on the @nlm_sis profile page stating the account is closing as of July 31

-
Week of July 1, 2019

-

- Tweet on the @nlm_sis handle stating the account is closing as of July 31
- Send Technical Bulletin message

Week of July 8, 2019

-

- Post Musings Blog
- Send NLM Broadcast email from Dr. Brennan
- Send BSD Email – Bert Hakinnen will send to Scientific Review Panel
- NNLM Listserv – Amanda Wilson will send to NNLM
- Environmental Health Information Partnership (EnHIP) – Cynthia Gaines/Amanda Wilson will send to EnHIP members

Nicole S.

From: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
Date: June 27, 2019 at 12:50:54 PM EDT
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review

> Hi Jody
> Please send me the entire communication plan for the Phase 1 reorganization – It will help me understand the how the different messages fit together
>
> I think that the language below is still confusing because it refers to "some" will be transitioned, be integrated, made accessible or discontinued - -what about the others?
>
> p
>
> Patricia Flatley Brennan, RN, PhD
> Director, National Library of Medicine
> National Institutes of Health
> US Department of Health and Human Services
>
> ---
>
> **From:** "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
> **Date:** Thursday, June 27, 2019 at 12:47 PM
> **To:** Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>, Patti Brennan <patti.brennan@nih.gov>
> **Cc:** "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
> **Subject:** RE: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti and Jerry,

How about the below? We need to finalize the language today in order have updates made to the websites on Monday.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 11:48 AM
To: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

The first sentence makes it sound like all SIS resources will transition to other parts of NLM. I think we need something along the lines of "some, most, many" and "the rest"

Jerry

From: Scott, Nicole (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 10:13 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Jerry,

We recommend breaking this up into 2 sentences:

Over the next few months, SIS resources and programs will transition to other parts of NLM. Some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued.

Approved?

Nicole

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 9:24 AM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Overall SIS Sunset Message and NLM Broadcast email for your review

How about "many" and "others". . .

"Over the next few months, many SIS resources and programs will transition to other parts of NLM, while others will be integrated into other NLM resources, made accessible on partner sites, or discontinued.

From: Brennan, Patti (NIH/NLM) [E]
Sent: Thursday, June 27, 2019 8:23 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review

This sentence is unclear to me –
"Over the next few months, many SIS resources and programs will transition to other parts of NLM, while some resources will be integrated into other NLM resources, made accessible on partner sites, or discontinued. " I get the message but the 'many' then "while some" sounds squishy

Otherwise good to go

p

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Thursday, June 27, 2019 at 8:20 AM
To: Patti Brennan <patti.brennan@nih.gov>
Cc: Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Middleton, Grace

(NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti,

We met with Jerry and OCPL will be drafting a new NLM Broadcast email and talking points for your blog post to include the organizational changes highlighted below.

In the meantime, we are working on messaging for the SIS home page to post on Monday and wanted to circle back to see if the below is okay with you.

Thanks,
Jody

General SIS Sunset Message – DRAFT

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users,but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

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Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

From: Brennan, Patti (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 7:29 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review - Please disregard the earlier email

Thanks everyone
I want to understand why we are focusing only on SIS, when the organizational changes involve SIS, APDB, LO and OCCS — please provide me with a more comprehensive communication plan so we can put this in context — do you anticipate making a similar announcement for the other operation later in the summer?

Let's wait til all of this is clarified before we send out any announcements

Thanks
Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, June 25, 2019 6:16:03 PM
To: Brennan, Patti (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Scott, Nicole (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: Re: Overall SIS Sunset Message and NLM Broadcast email for your review - Please disregard the earlier email

Hi Patti,

Florence and Stacy Arnesen just requested that "underutilized" be deleted from the version of the overall SIS sunset message I sent you earlier today. Jerry was okay with the deletion.

The attached reflects the change so if possible, please review this version.

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Tuesday, June 25, 2019 at 2:32 PM
To: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
Cc: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: Overall SIS Sunset Message and NLM Broadcast email for your review

Hi Patti,

Please find attached for your review/comment:

- Page 1 – Is the message for the SIS program sunset. The message was reviewed this morning with Jerry, Todd, Janice, and Florence. We plan to repurpose the message on the SIS homepage to post on July 1 and in the announcement going out in the Technical Bulletin either June 28 or July 1.
- Page 2 – A draft NLM Broadcast email from you to go out this Friday, June 28.

We will soon be providing you with some talking points/rough draft for an upcoming *Musings* blog that I believe Jerry talked to you about. We are recommending the blog goes out either July 3 or 10 to keep SIS sunset communications timely and coordinated.

Please let me know if you have any questions. Thanks.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

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Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Collins/Dr. Tabak	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018, NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The program was designed to fulfill recommendations made by the President's Science Advisory	6/28

	Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM Broadcast Email from Dr. Brennan	(Draft: Still in development; pending Dr. Brennan's review and approval) Dear Colleagues: We have been working diligently to align our organizational structure and offerings with the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st, th Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enable NLM to better leverage its talents and resources. With a long and important history, SIS has provided more than 50 years of service to NL and the American people. Founded in 1966 in response to the urgent need for a	7/9 Coincides with Patti's Blog Post

coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment for curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key.

Over the next few months, some SIS resources and programs will transition to other par of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made on the SIS hom page at https://sis.nlm.nih.gov.

With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florence Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director. They have dedicated their careers to the health of the nation and a strong and trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for their service and wishing them well as they take on new ventures.

While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundari between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine

Message on SIS Home Page	PLEASE NOTE, this page will no longer be available effective 12/1/2019. As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	7/1
Technical Bulletin Announcement	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	The week of 7/1

Social Media Messaging	The following will be sent the week of July 1, 2019 • The @NLM_SIS account is closed as of 7/31/19. Please follow @NLM_News to stay up to date! • Please follow @NLM_News to stay up to date on our services. Thank you. • For all the latest information, please follow @NLM_News. Effective 7/31/19 this account will no longer provide updates. A notice will also be posted on @nlm_sis Twitter profile account stating the account will be closed as of 7/31/19.	7/1
Musings Blog	OCPL will send Patti talking points for the blog – a continuation of the January 2, 2019 blog post.	7/9
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	7/1
Web Site Message (Landing Page) **-K-12 Science and Health Education**	PLEASE NOTE, this page will no longer be available effective 12/1/19. Visit www.sis.nlm.nih.gov for additional information.	7/1
-TEHIP Page **-TOXNET** **-HIV/AIDS (AIDSource)** **-DIMRC** **-Chemical and Drug Information** **-Outreach Activities & Resources**	**Message not confirmed. Resources will transition, have new home pages, etc. Decisions not confirmed.*	TBD
Message for BSD (LO)	Repurpose Technical Bulletin content	Week of 7/8
ENHIP (Environmental Health Information Partnership) (LO)	Repurpose Technical Bulletin content	Week of 7/8
NNLM Listserv (LO)	Repurpose Technical Bulletin content	7/12

From: Corn, Milton (NIH/NLM) [E]
Sent: 28 Jun 2019 10:49:00 -0400
To: Thomas, Phillip (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Phil,

Everyone I contacted at Nlm about this collection is confident that appropriate evaluation has been made, and that removal is justified. What are the shipping costs for the 14 boxes you and George have found new homes for?

Milt

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine at NIH

From: "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>
Date: Friday, 28. June 2019 at 07:19
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Subject: Re: SIS toxicology book collection

Hi,
I am told the major part of the toxicology book collection will be discarded (read "trashed"). George Fonger and I have been able to contact some university researchers to take part of the collection (we have boxed up about 14 boxes and 4 large envelopes of materials), but I am under the impression that SIS is not willing to ship these most critical items.

Do you have any shipping funds that we can ship at least these materials? George estimates that the entire in-house toxicology collection cost over $300,000.

--Phillip
C: Personal Info

From: Corn, Milton (NIH/NLM) [E]
Sent: Thursday, June 20, 2019 11:52 AM
To: Thomas, Phillip (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Phil,

I've contacted a number of people and asked for an explanation of what is happening to this collection and how the decision was reached. I'll let you know how things work out.

Milt Corn

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine
NIH

From: "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>
Date: Wednesday, June 19, 2019 at 11:38 AM
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Subject: SIS toxicology book collection

I understand my former colleague George Fonger spoke with you last week about the dispersal of toxicology interests here in SIS (to be merged with multiple parts of NLM) as of this coming Sunday. If you have any concerns he raised, I am available through my cell phone at: Personal Info Personal Info

My most urgent frustration is the plan to discard (I believe this means shred rather than find a home for) our toxicology reference collection on Monday. The collection contains hard to acquire books that have been collected over at least 30 years. As this division has worked with Historically Black Colleges and with Regional Medical Centers, I am sure with a little dedication something better than the current plan could be found.

As far as I can see with the Toxnet system, we are changing the essence of NLM from a place where researchers in biomedical interests find resources brought together into an institution which tells researchers to go elsewhere.

In any case, my group is gradually moving back to 38a in the coming months. Although I have been at NLM since 1997, I don't think we have met. George has always talked positively about you. If you are available for coffee someday, do let me know.

Phillip

Phillip Lee Thomas, Ph.D.
TOXNET System Administrator

From: Nurik, Jody (NIH/NLM) [E]
Sent: 28 Jun 2019 20:24:30 +0000
To: Scott, Nicole (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Cc: Tara (NIH/NLM) Mowery [E] (tara.mowery@nih.gov);Middleton, Grace (NIH/NLM) [C]
Subject: Updated SIS Sunset_Communication Plan
Attachments: SIS Sunset_Communication Messages and Distribution Plan 062819V1.docx

I have updated the plan as best as I could based on our meeting this morning with Patti. It is on the OCPL shared drive as is the notes documents Patti sent us earlier.

Thanks,
Jody

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Collins/Dr. Tabak	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018, NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The	6/28/19

	program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	
NLM Broadcast Email from Dr. Brennan	(BEING REWORKED TO INCLUDE ALL PHASE I UPDATES SIS, APDB, OET, OCCS, HPPC – will need to go for Patti's review) Dear Colleagues: We have been working diligently to align our organizational structure and offerings wi the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enabl NLM to better leverage its talents and resources.	By July 9 to coincide with Patti's Blog Post

With a long and important history, SIS has provided more than 50 years of service to NLM and the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response.

Our new organizational structure strives to create a more collaborative environment f curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner site or discontinued. We will provide notice of these changes as they are made on the SIS home page at https://sis.nlm.nih.gov.

With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florence Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director. They have dedicated their careers to the health of the nation and a strong an trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for their service and wishing them well as they take on new ventures.

While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research.

Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine

Message on SIS Home Page	Please note, this page will no longer be available effective 12/1/2019. As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of mar SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	On 7/1
Technical Bulletin Announcement	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS program into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner site or discontinued. We will provide notice of these changes as they are made. Links to SI resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to	The week of 7/1

	custserv@nlm.nih.gov or 1-888-346-3656.	
Social Media Messaging re: Shutdown **The week of July 8 - A notice will be posted on @nlm_sis Twitter account stating the account will be closed as of 7/31/19**	The following will be sent the week of July 1, 2019 • The @NLM_SIS account is closed as of 7/31/19. Please follow @NLM_News to stay up to date! • Please follow @NLM_News to stay up to date on our services. Thank you. • For all the latest information, please follow @NLM_News. Effective 7/31/19 this account will no longer provide updates.	7/1
Musings Blog	OCPL will send Patti talking points for the blog – a continuation of the January 2, 2019 blog post. TO INCLUDE ALL PHASE I UPDATES SIS, APDB, OET, OCCS, HPPC	7/9
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	7/1
Web Site Message **-K-12 Science and Health Education**	Please note, this page will no longer be available effective 12/1/19. Visit www.sis.nlm.nih.gov for additional information.	7/1
Message for BSD (LO)	Messaging: Welcome to your new home re: scientific review panel. Work will continue.	Week of July 8
ENHIP (Environmental Health Information Partnership)	Same as Technical Bulletin content	Week of July 8
NNLM Listserv **(Amanda Wilson sends on Fridays)**	Repurpose Technical Bulletin content (SEE IF OET should be included)	7/12

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 28 Jun 2019 17:52:13 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	Haz-Map health-related database designed for health and safety professionals and for consumers
Description	Haz-Map® is an occupational health database designed for health and safety professionals and for consumers seeking information about the adverse effects of workplace exposures to chemical and biological agents. The main links in Haz-Map are between chemicals and occupational diseases. These links have been established using current scientific evidence. Haz-Map has been part of NLM's TOXNET suite of resources for over 15 years. Haz-Map is used within the Federal Government (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and by others. This is the current website for https://hazmap.nlm.nih.gov/
Document(s) Supporting Justification	Some publications about Haz.docx About for Haz-Map.docx 2017 HazMap 2017 Webinar from NLM.docx
Justification	No longer aligned with NLM priorities or mission needs Other: License ends in July 2019 and current plan is not to renew it. However, please note that Haz-Map is used within the Federal

	Government (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and by others. NIH's Division of Occupational Health and Safety lists it as Federal resource https://www.ors.od.nih.gov/sr/dohs/safety/workplace/Pages/Federal-Resources.aspx
Retirement Date	07/31/2019
Organization	LO
Key Staff Involved	Pertti Hakkinen Jeanne Goshorn Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen Jeanne Goshorn Wei Ma David Gillikin Amanda Wilson
Communicated Message	NLM's license for Haz-Map ended-in in July 2019.
Date the Message will be Sent	08/01/2019
Communication Channel(s)	Emails Information delivered at staff meetings Other:

	GovD toxicology-related bulletin.
Retained Content	Other: We can let interested NLM people (and people contacting NLM) know that the Haz-Map developer (Dr. Jay Brown) offers Haz-Map content on this web site: https://www.haz-map.com/
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Federal Government users (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and others. Also, professional societies (e.g., American Industrial Hygiene Association, AIHA, and American College of Medical Toxicology, ACMT) and other organizations.
Communicated Message	Haz-Map will no longer be available from NLM. We can let interested NLM people know that the Haz-Map developer (Dr. Jay Brown) offers Haz-Map content on this web site: https://www.haz-map.com/
Date the Message will be Sent	08/01/2019
Communication Channel(s)	Emails Technical Bulletin Newsletter Social Media

	In person meeting or phone call
Communication Frequency	Monthly Quarterly
Retained Content	Other: We will check if NLM's licensing agreement with Dr. Jay Brown allows us to keep Haz-Map available for a brief time or longer. Also, if there is agreement within NLM, we could work within the Federal Government (e.g., NIH OD Division of Occupational Health and Safety, OSHA, CPSC, DoD, etc.) to possibly find another home for Haz-Map that NLM could then help publicize.
Page Redirected	Yes
Redirect URL	https://www.haz-map.com/
Additional Information	---

Request Information	
Request ID	342
Task ID	404
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/28/2019 05:32 p.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 28 Jun 2019 17:52:13 -0400
To: Gillikin, David (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Chang, Florence (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: ATTENTION: NLM SUNSETTING REQUEST CREATED

ATTENTION: The following Sunsetting Request was **CREATED** by Pertti Hakkinen.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	Haz-Map health-related database designed for health and safety professionals and for consumers
Description	Haz-Map® is an occupational health database designed for health and safety professionals and for consumers seeking information about the adverse effects of workplace exposures to chemical and biological agents. The main links in Haz-Map are between chemicals and occupational diseases. These links have been established using current scientific evidence. Haz-Map has been part of NLM's TOXNET suite of resources for over 15 years. Haz-Map is used within the Federal Government (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and by others. This is the current website for https://hazmap.nlm.nih.gov/
Document(s) Supporting Justification	Some publications about Haz.docx About for Haz-Map.docx 2017 HazMap 2017 Webinar from NLM.docx
Justification	No longer aligned with NLM priorities or mission needs Other: License ends in July 2019 and current plan is not to renew it. However, please note that Haz-Map is used within the Federal Government (e.g., NIH OD Division of Occupational Health and

	Safety staff, OSHA, CPSC, DoD, etc.) and by others. NIH's Division of Occupational Health and Safety lists it as Federal resource https://www.ors.od.nih.gov/sr/dohs/safety/workplace/Pages/Federal-Resources.aspx
Retirement Date	07/31/2019
Organization	LO
Key Staff Involved	Pertti Hakkinen Jeanne Goshorn Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen Jeanne Goshorn Wei Ma David Gillikin Amanda Wilson
Communicated Message	NLM's license for Haz-Map ended-in in July 2019.
Date the Message will be Sent	08/01/2019
Communication Channel(s)	Emails Information delivered at staff meetings Other:

	GovD toxicology-related bulletin.
Retained Content	Other: We can let interested NLM people (and people contacting NLM) know that the Haz-Map developer (Dr. Jay Brown) offers Haz-Map content on this web site: https://www.haz-map.com/
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Federal Government users (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and others. Also, professional societies (e.g., American Industrial Hygiene Association, AIHA, and American College of Medical Toxicology, ACMT) and other organizations.
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Date the Message will be Sent	08/01/2019
Communication Channel(s)	Emails Technical Bulletin Newsletter Social Media

	In person meeting or phone call
Communication Frequency	Monthly Quarterly
Retained Content	Other: We will check if NLM's licensing agreement with Dr. Jay Brown allows us to keep Haz-Map available for a brief time or longer. Also, if there is agreement within NLM, we could work within the Federal Government (e.g., NIH OD Division of Occupational Health and Safety, OSHA, CPSC, DoD, etc.) to possibly find another home for Haz-Map that NLM could then help publicize.
Page Redirected	Yes
Redirect URL	https://www.haz-map.com/
Additional Information	---

Request Information	
Request ID	342
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/28/2019 05:32 p.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

Sent: 28 Jun 2019 22:18:49 +0000
To: Tabak, Lawrence (NIH/OD) [E]
Cc: Brennan, Patti (NIH/NLM) [E];Johnson, Alfred (NIH/OD) [E]
Subject: NLM Sunsetting -

Larry,

I am pleased to inform you that as of June 30, NLM will have completed the phase one reorganization that was approved late last year. While all components of NLM have been touched in some way by this reorganization, the most visible component, which I want to call to your attention, is the closure (sunsetting) of NLM's Specialized Information Services (SIS) Division, effective June 30, 2019.

SIS was home to NLM's toxicology information resources and also played key roles in health information outreach to special populations and disaster health information management. As part of the sunsetting process, some high-value SIS information services and programs will be transferred to other divisions of NLM, while others will be terminated or transitioned to other organizations. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by NCBI, including PubChem. Other continuing activities are being integrated with NLM's Library Operations Division to improve operational efficiencies and effectiveness. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions, and a number of contracts are being scaled back or terminated.

NLM has announced the sunsetting of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they transition to other websites over coming months. For those information services that will be discontinued, NLM will ensure archiving of the resources so that no valuable information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. You have seen sunsetting plans for several SIS resources in recent months; I will forward more as final decisions are made about remaining resources.

Everyone on NLM's Leadership team has played a key role in effecting the phase 1 reorganization. Patti and I are particularly grateful to Florence Chang, SIS Acting Director, and Janice Kelly, SIS Deputy Director, who led the SIS staff during this sunsetting process and both of whom will retire on June 30.

We at NLM are contemplating next phases of our reorganization and will work with you and Alfred for advice and approvals as our plans come together. In the meantime, I will send you advance notice of other NLM resources that are slated for sunsetting.

Thanks,
Jerry

Jerry Sheehan
Deputy Director
National Library of Medicine | National Institutes of Health
8600 Rockville Pike, Bethesda, MD 20894-3808 USA
Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
http://nlm.nih.gov

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 28 Jun 2019 23:16:34 +0000
To: Tabak, Lawrence (NIH/OD) [E]
Cc: Brennan, Patti (NIH/NLM) [E];Johnson, Alfred (NIH/OD) [E]
Subject: NLM Sunsetting/Reorganization - SIS

Larry,

I am pleased to inform you that as of June 30, NLM will have completed the phase one reorganization that was approved late last year. While all components of NLM have been touched in some way by this reorganization, the most visible component, which I want to call to your attention, is the sunsetting (closure) of NLM's Specialized Information Services (SIS) Division, effective June 30, 2019.

SIS was home to NLM's toxicology information resources and played key roles in health information outreach to special populations and disaster health information management. As part of the sunsetting process, some high-value SIS information services and programs are being transferred to other divisions of NLM, while others are being terminated or transitioned to other organizations. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by NCBI, including PubChem. Other continuing activities are being integrated with NLM's Library Operations Division to improve operational efficiencies and effectiveness. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions, and a number of contracts are being scaled back or terminated.

NLM has announced the sunsetting of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they transition to other websites over coming months. For those information services that will be discontinued, NLM will ensure archiving of the resources so that no valuable information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. You have seen sunsetting plans for several SIS resources in recent months; I will forward more as final decisions are made about remaining resources.

Everyone on NLM's Leadership team has played a key role in effecting the phase 1 reorganization. Patti and I are particularly grateful to Florence Chang, SIS Acting Director, and Janice Kelly, SIS Deputy Director, who led the SIS staff during this sunsetting process and both of whom will retire on June 30.

We at NLM are contemplating next phases of our reorganization and will work with you and Alfred for advice and approvals as our plans come together. In the meantime, I will send you advance notice of other NLM resources that are slated for sunsetting.

Thanks,
Jerry

Jerry Sheehan
Deputy Director
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Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
http://nlm.nih.gov

From: Corn, Milton (NIH/NLM) [E]
Sent: 1 Jul 2019 10:39:57 -0400
To: Chang, Florence (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Florance,

OK I get it. No problem.

Milt

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine at NIH

From: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>
Date: Friday, 28. June 2019 at 15:20
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Subject: FW: SIS toxicology book collection

Milt,

All libraries "weed" their collections and discard books – it is a basic library function. LO's Collection Access Section (CAS) has already evaluated the books —they selected a few to fill gaps on the collection.

We have no intention to ship the boxes of books. I think you can say to Phillip the collection was evaluated by LO and NLM has a policy not to send books to other institutions.

If you see the need, please call Bert Hakkinen at 301-827-4222. He is our senior toxicologist, and he can give you an accurate assessment of the book situation.

Thanks!

Florence

From: Thomas, Phillip (NIH/NLM) [E]
Sent: Friday, June 28, 2019 2:43 PM
To: Corn, Milton (NIH/NLM) [E] <cornm@mail.nlm.nih.gov>
Cc: Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>
Subject: RE: SIS toxicology book collection

Milt,
I have no estimate of the cost (6 large boxes; 8 medium boxes, 4 large envelopes – all heavy), but Florence Chang says to write/ask her. This is her last day.
--Phillip

From: Corn, Milton (NIH/NLM) [E]
Sent: Friday, June 28, 2019 10:49 AM
To: Thomas, Phillip (NIH/NLM) [E] <thomasph@mail.nih.gov>
Subject: Re: SIS toxicology book collection

Phil,

Everyone I contacted at Nlm about this collection is confident that appropriate evaluation has been made, and that removal is justified. What are the shipping costs for the 14 boxes you and George have found new homes for?

Milt

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine at NIH

From: "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>
Date: Friday, 28. June 2019 at 07:19
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Subject: Re: SIS toxicology book collection

Hi,
I am told the major part of the toxicology book collection will be discarded (read "trashed"). George Fonger and I have been able to contact some university researchers to take part of the collection (we have boxed up about 14 boxes and 4 large envelopes of materials), but I am under the impression that SIS is not willing to ship these most critical items.

Do you have any shipping funds that we can ship at least these materials? George estimates that the entire in-house toxicology collection cost over $300,000.

--Phillip
C: Personal Info

From: Corn, Milton (NIH/NLM) [E]
Sent: Thursday, June 20, 2019 11:52 AM

To: Thomas, Phillip (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Phil,

I've contacted a number of people and asked for an explanation of what is happening to this collection and how the decision was reached. I'll let you know how things work out.

Milt Corn

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine
NIH

From: "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>
Date: Wednesday, June 19, 2019 at 11:38 AM
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Subject: SIS toxicology book collection

I understand my former colleague George Fonger spoke with you last week about the dispersal of toxicology interests here in SIS (to be merged with multiple parts of NLM) as of this coming Sunday. If you have any concerns he raised, I am available through my cell phone at: Personal Info Personal Info

My most urgent frustration is the plan to discard (I believe this means shred rather than find a home for) our toxicology reference collection on Monday. The collection contains hard to acquire books that have been collected over at least 30 years. As this division has worked with Historically Black Colleges and with Regional Medical Centers, I am sure with a little dedication something better than the current plan could be found.

As far as I can see with the Toxnet system, we are changing the essence of NLM from a place where researchers in biomedical interests find resources brought together into an institution which tells researchers to go elsewhere.

In any case, my group is gradually moving back to 38a in the coming months. Although I have been at NLM since 1997, I don't think we have met. George has always talked positively about you. If you are available for coffee someday, do let me know.

Phillip

Phillip Lee Thomas, Ph.D.
TOXNET System Administrator

From: Backus, Joyce (NIH/NLM) [E]
Sent: 1 Jul 2019 16:31:02 +0000
To: Collins, Maria (NIH/NLM) [E];Andrews, Dave (NIH/NLM) [E];Lockett-Jordan, Deborah (NIH/NLM) [E]
Cc: Babski, Dianne (NIH/NLM) [E]
Subject: Offerings w contracts status.xlsx
Attachments: Offerings w contracts status.xlsx

Here's a sheet of the SIS contracts.

Note that there is some information on here that's not final or not yet communicated with program staff so please don't share.

Joyce

Column Break		Contract (Vendor)	Review Timeline	Description	Period of Performance	Recompetition by	Contract Amount	Obligation date of funding	Contract mechanism	% IT in cost	IAA/IDC funding source	Contracts	EDR	Receiving Div	Notes	Suggested Meeting Attendees	Sponsor
DHMH/C	3	HSDB content building (Technical Research International, "TRI")		TRI funding to add new and update existing HSDB records and for database enhancement including adding new data, features, fields, and more. Funding includes management of Scientific Review Panel meetings (3 meetings/year).	7/2019 - 7/2020	Jun-2019	$1,038,575	Jul 2019; Jan 2020	GSA	0%			Bert Hakkinen	LO - DSD	Joanne and Bert - Looking at reimagining this area NOW, they already working on it. This is an area where they lost a lot of staff and they will need to do the work. There are contractors supporting who can do the curating. - **Is there an option to give them a position to support the work?** Jen Pelcam should be included as the NIOSH rep for the Product.	Joanne Goshorn, Bert Hakkinen, David Gillikin, NIOSH rep (Evan Belcher or Kim Pratt), Florence Chang, Wei Ma	David Gillikin
DHMH/C	3	HSDB content building (National Research Corp, "SRC")		SRC funding to add new and existing HSDB records for even and enter late section and support database enhancement for related fields.	5/2019 - 5/2020	May-2019	$486,000	May 2019; Nov 2019	GSA	0%			Bert Hakkinen	LO - DSD	Joanne and Bert - Looking at reimagining this area NOW, they already working on it. This is an area where they lost a lot of staff and they will need to do the work. There are contractors supporting who can do the curating. - **Is there an option to give them a position to support the work?** Jen Pelcam should be included as the NIOSH rep for the Product.	Joanne Goshorn, Bert Hakkinen, David Gillikin, NIOSH rep (Evan Belcher or Kim Pratt), Florence Chang, Wei Ma	David Gillikin
DHMH/C	2	ChemID system development (ERI Federal)	Q4 FY2019	ERI Federal funding to support continued development and maintenance of applications and database maintenance.	9/2019-9/2020	Sep-2019	$294,994	Sep 2019	A&B Small business	100%			Ping Sun	DECS or DSD?	CDR going to DECS and will continue to play that role; Content DSD - Content - New Chemist (not full time - 70%) and Joanne - Related offerings, "Drug Info Portal" and "TOXNET Substance Registry System" should be evaluated at some time. These 3 offerings are on the same platform.	Joanne Goshorn, Bert Hakkinen, David Gillikin, NIOSH rep (Evan Belcher or Kim Pratt), Florence Chang, Wei Ma	David Gillikin
DHMH/C	2	ChemID content building (Cognisa)	Q3 FY2020	Cognisa funding to support chemical structure, data integration and updates for ChemIDplus	3/2018-9/2020	Apr-2019	$198,000	May 2019; Jan 2020	GSA	82%			Ping Sun	DECS or DSD?	Content: DSD - Content - New Chemist (not full time - 70%) and Joanne - CDR going to DECS	Joanne Goshorn, Bert Hakkinen, David Gillikin, NIOSH rep (Evan Belcher or Kim Pratt), Florence Chang, Wei Ma	David Gillikin
DHMH/C	2	ChemID 2-D chemical structure (Scientific Thinking)	Q4 FY2020	Funding for 3D structure support and integration activities. Contractor Mitch Miller works closely with PubChem Team.	9/2018-9/2020	Sep-2021	$20,000	Sep-2019		100%			Ping Sun	DECS or DSD?	Content: DSD - Content - New Chemist (not full time - 70%) and Joanne - CDR going to DECS	Joanne Goshorn, Bert Hakkinen, David Gillikin, NIOSH rep (Evan Belcher or Kim Pratt), Florence Chang, Wei Ma	David Gillikin
DHMH/C	2	ChemID: Accelrys Software license (Elsevier / Accelrys)	Q4 FY2019	Biovia software license for chemical structure software	8/2018-8/2020	Aug-2019	$16,000	Aug-2019		100%			Ping Sun	DECS or DSD?	Content: DSD - Content - New Chemist (not full time - 70%) and Joanne - CDR going to DECS	Joanne Goshorn, Bert Hakkinen, David Gillikin, NIOSH rep (Evan Belcher or Kim Pratt), Florence Chang, Wei Ma	David Gillikin
DHMH/C	2	ChemID Oracle database license	Q4 FY2019	Oracle database management system for ChemID data, licensed through OSCS	11/2018 - 12/2019		$5,262			100%			Phillip Thomas, Florence Chang	DECS or DSD?	Content: DSD - Content - New Chemist (not full time - 70%) and Joanne - CDR going to DECS	Joanne Goshorn, Bert Hakkinen, David Gillikin, NIOSH rep (Evan Belcher or Kim Pratt), Florence Chang, Wei Ma	David Gillikin
DHMH/C	3	LactMed (Rich Anderson)		Content creation and update of the LactMed database	7/2019 - 7/2020	Jul-2019	$20,000	Jul 2019	Sole source	0%			Lucie Chen	LO - DSD?	Needs DSR - Bert? Very popular. Should not require significant time. Author is highly motivated and the tool is already integrated into bookshelf - working on resume/plan now. **Who manages other Bookshelf resources? Should it go there in the future? What is the process for resources going to Bookshelf, what is the model?** Note: Even though this offering can be used by consumers, the content is NOT developed for consumers. May PIO would be an advisor in the future.	ADLO rep (Dianne Bahoski or Joyce Backus), Stacey Arneson, Terry Ahmed, Stephanie Morrison, David Gillikin, Bert Hakkinen, Lucie Chen,	David Gillikin
DHMH/C	3	Household Product Database (Kenny DeLima)	Q3-Q4 FY2019	License of the content of the Household Product Database, a database on the health effects from exposure to the chemical ingredients in the household products	11/2018-12/2019	Dec-2021	$60,000	Dec 2018	Sole source	0%			Lucie Chen	LO - DSD	Needs DSR - Bert? Also very popular, so it will be evaluated. Looking to see if DTSE (Consumer Products Safety Excellence) will take it over. Note: Even though this offering can be used by consumers, the content is NOT developed for consumers.	ADLO rep (Dianne Bahoski or Joyce Backus), Stacey Arneson, Terry Ahmed, Stephanie Morrison, David Gillikin, Bert Hakkinen, Lucie Chen,	David Gillikin
Order/C	1	MadMap (Jay Brown)	Q4 - Q1 FY2020	License of the content of the MadMap database, a occupational exposure and diseases database	7/31/2019 - 6/1/2020	Jul-2020	$38,500	Jul 2019	Sole source	0%			Lucie Chen	Sunset - LB02	DSD - Bert is trying to find a new home, can't be added to bookshelf because of how it is structured. Contract ends in July, needs the Sunset Form. Bert is writing the Sunset plan - 010615	No addition of meetings.	David Gillikin
DHMH/C	3	ITER (Univ of Cincinnati)	Q4 FY2019	License of the content of the International Toxicity Estimates for Risk (ITER)	4/2019 - 4/2020	Apr-2021	$25,000	Apr 2019		0%			Bert Hakkinen	LO - DSD	Bert COR - Eventually integrated into Bookshelf, ownership of the content is currently in question, will come down with TOXNet 010615	Florence Chang, Bert Hakkinen, ADLO rep (Dianne Bahoski or Joyce Backus), David Gillikin (INTERMITTENT SCOPE MEETING, purpose is continuation decision; line 11 is its own meeting	David Gillikin
Order/C	4	Poisindex emergency medical management (Truven Health) **(Not renewed yet as of March)**		License of the content of Poisindex from Truven Health	1/2019 - 1/2020	Jan-2019	$93,125	Jan 2019		0%			Joe Pelcam	N/A - 8510 or P	Micromedex - Commercially available. Not renewed but in the process of renewing license, not sure where to go. Should Jen keep this one? Up for integration. What holds "data" in LDT Key data for 9530 and WISER.	Joanne Goshorn, Bert Hakkinen, David Gillikin, Stacey Arneson, Florence Chang, Wei Ma	David Gillikin
DHMH/C	2	Pillbox	Q3-Q4 FY2019												This was going to be reviewed by the NLM Drug SWOT review group. If the Drug SWOT review is still in the plan, then Pillbox and Drug Info Portal should be evaluated by that group. Task manager: David Hale (BSD/NMEI)	Joanne Goshorn, Bert Hakkinen, David Gillikin, Stacey Arneson, Florence Chang, Wei Ma	David Gillikin
DHMH/C	3	Go Local Technical Integrator and Help Desk IT support (ICF)		Contract for the main IT contract with ICF International for providing GIS computer system administration and information system development support.	Not going to re-compete		$886,000	Sep 2019	MITAAC	100%			Florence Chang	DECS	CDR Wei Ma, Supports A & contractors, contract will end in Sept. Plans around transitioning of systems between now and Sept.	No addition of meetings.	
DHMH/C	3	TOXNET/HSDB Content Management: Isotrex Toxicon	Q4 FY2019	Support the data entry and editing system and database maintenance for TOXNET databases, including HSDB, LactMed, and IRIS.	7/2019 - 7/2020	Jan-2019	$20,000	Jul 2019	Open	100%			Phillip Thomas	DECS	CDR Robert Salas, setting up the recompete - will be done by July.	No addition of meetings.	
DHMC	3	Disaster Info Support (ICF)	Q2 FY2020	Includes support for librarian and computer programmer to support Disaster Lit, DMRC web site, Disaster health informatics and communication innovation initiatives (training, communication)	9/2019 - 9/2020	Sep-2019	$525,000	Sep 2019	BPA	50%	SIS - $225,880 IAA and DC - $360,000	Additional IAAs and DCs from partner agencies; amount varies; FY2019 total $140K	Stacey Arneson	LO - PSD	Siobhan will be task manager; broad task for IT and content; other invention projects (Kristen) general DMRC website and its LIT, CMS, production and staging is at NLM. Programmer efforts. Librarian onsite (can change), will have this PDP	ADLO rep (Dianne Bahoski or Joyce Backus), Stacey Arneson, Terry Ahmed, Jennifer Ward, OCCS rep (ask Wei Ma - either Joe Pelcin or John Rosler)	Stacey Arneson
DHMC	1	MRMR (Nine Century)	Q1 FY2020	To support the development of the tool for responding to hazardous material incidents. For maintenance for all platforms with minor enhancements and data (content) updates, and prototyping of voice-activated assistant.	9/2019 - 9/2020	Sep-2019	$450,000	Sep 2019	GSA	100%	MS - $300,000 (base) MS - $300,000 (enhancement) Additional fundings from DOT, ASPR	IAA funding from DOT, ASPR, etc. Amount varies	Joe Pelcam	LO PSD	CDR Jen - Bert is also part of the team (no formal role - facilitator and promoter). Does it make sense long term in PSD - should all Tox staff eventually land in MSD? Since the delivery mechanism is most important aspect it does belong in PSD. Jen will be fully occupied; outside contractor does the program - does OCCS need to be looped in on this? If this is expected to funded in long, resumption, offsite staff, mostly IT website, hosted at NLM, web services; 3 APIS; transitioning to PSD; we need to know about any funding for contractors that update the web pages, unclear about CMS.	ADLO rep (Dianne Bahoski or Joyce Backus), OCCS rep (ask Wei Ma - either Joe Pelcin or John Rosler), Stacey Arneson, Terry Ahmed, David Gillikin,	Stacey Arneson
DHMC	3	NAEMM Forums		NAEMM Med Prep Forum & Action Collab on Disaster research	9/2019 - 9/2020		$25,000	Sep 2019		0%			Stacey Arneson	LO - PSD	Transfer to PSD. With DO contract, we have a task em it to support NAEMM; re: IT, now formerly, need to make a decision about contributing to this in 2019, TSD should not pay for this, Tara NLM wants to belong for next year is the question. Pay for 2020 and then determine plans next year	Stacey will coordinate a discussion on long term plans.	Stacey Arneson
CHEMM/T	1	CHEMM content creation and maintenance (CHEMM)	Q1 FY2020	Support the content creation and maintenance of Chemical Hazards Emergency Medical Management (CHEMM)	8/1/2019 - 7/31/2020	Aug-2019	$80,067	Jul 2019	GSA	0%			Bert Hakkinen	LO - PSD	CDR Bert- very involved, low marginally involved, considered one of the disaster tools and closely tied to MRMR - where should it live? If outside contractor does the program - does OCCS need to be looped in on this? Could work to have Jen take over COR and Bert as an advisor PSD — Shifting from sole contract to task under a BPA - Bert Jen involved in task	ADLO rep (Dianne Bahoski or Joyce Backus), OCCS rep (ask Wei Ma - either Joe Pelcin or John Rosler), Stacey Arneson, Terry Ahmed, David Gillikin,	Stacey Arneson
DHMC	1	RMMM												LO - PSD	Jen is the POC, Florence will be handing this off to her. Issues with the Content expert HHS Funded contractor and with the technology. Florence has done the technology, funding by an interagency agreement by HHS. Dianne and David are aware of the situation - 010618 Working on JAAs with ASPR - Joint HHS ASPR	ADLO rep (Dianne Bahoski or Joyce Backus), OCCS rep (ask Wei Ma - either Joe Pelcin or John Rosler), Stacey Arneson, Terry Ahmed, David Gillikin,	Stacey Arneson
Outreach	3	Special Populations Resources Enhancement and Outreach (ICF)	Q2 FY2020	Staffing, IT support for Health Reach, American Indian Health, Arctic Health	9/2018-9/2019	Sep-2019	$0	Sep 2019	BPA	8.01%			Laura Bartlett	NA LO-PSD?	Only one left in Health Reach, but the other ones are going, Being integrated into MedlinePlus. **Michael Hench in PSD as owner?** Laura has some "Outreach" connections that involve getting content - she has a few tools that she is doing through September - User studies (10-20k of her time until fully integrated).	Dianne Baloski, Janice Kelly, Stephanie Morrison, Terry Ahmed, Stacey Arneson	Amanda Wilson
Outreach	2	Technical and Programmatic Support for Specific Population Projects (ICF)		Support services for outreach projects such as CHIC, Community Health Maps, etc	9/2018-9/2019	Sep-2019	$680,000	Sep 2019	BPA	2%			Janice Kelly	LO - OET?	Janice gave her suggestions, and will be meeting with Joyce and Amanda to discuss all Outreach programs. Prior Jahe Scott had many Subcontracts for outreach awards, TBD; **need CDR**	Dianne Baloski, Janice Kelly, Stephanie Morrison, Terry Ahmed, Stacey Arneson	Amanda Wilson
Outreach	2	Maintenance and Development Support for SIS Programs Projects (ICF)		Provide comprehensive management and staffing services to the National Library of Medicine Specialized Information Services to support websites, services and activities	9/2018-9/2019	Sep-2019	TBD ($680,000 in FY2018)	Sep 2019	BPA	1%			Nicole Scott	LO OET or PSD	supports 3 contract staff - Sent Amanda an note and she is interested; 80% DIMRC and 20% Outreach, - through Sept.	Dianne Baloski, Janice Kelly, Amanda Wilson, Terry Ahmed, Stacey Arneson	Amanda Wilson
Outreach	2	ExHIP Chair		Support for the year long duties of the ExHIP chair	1/31/2019 - 1/14/2020	Jan-2019	$20,000		Contract	0%			Janice Kelly	LO - OET	**need COR; is this an annual POT Lacra?**	Dianne Baloski, Janice Kelly, Amanda Wilson, Terry Ahmed, Stacey Arneson	Amanda Wilson
Outreach	2	ExHIP junior advisor		Support for the year long duties of the ExHIP senior advisor Rueben Warren	9/30/2018 - 9/30/2020		$10,000	9/28/2018	Contract	0%			Janice Kelly	LO - OET	**need COR; is this an annual POT Lacra?**	Dianne Baloski, Janice Kelly, Amanda Wilson, Terry Ahmed, Stacey Arneson	Amanda Wilson
Outreach	4	Higher Ed Project		Project addressing the needs of minority serving institutions to use HSDB and other NLM resources.	3/6/2018-6/2019	Jan-2018	$60,000	6/28/2018	ICF	0%			Cassandra Ash	Sunset	Totally Sunset at this point	No addition of meetings	Amanda Wilson
Outreach	2	Training and Outreach Support Services for NLM (ICF)		Subaward to GPAU for training and outreach support, promotion and logistical support to SIS	9/2018-9/2019	Jan-2019	$680,000	June 2019	BPA	0%			Nicole Scott	LO - OET?	Being competed; **need COR? Will Nicole continue once funded or should this shift to OET?** Trying to put in a BPA - Nicole still involved and Judy is aware	Dianne Baloski, Janice Kelly, Amanda Wilson, Terry Ahmed, Stacey Arneson, Judy Nurik	Amanda Wilson
Outreach	2	Training and Outreach Support Services for NLM (ICF)		DET will need to take over the separate (MS) what do they want to do with it. Resources have been developed					BPA	0%			Nicole Scott	LO - OET?	No plans right now for IAAS. **Ends in June or July?**	Dianne Baloski, Janice Kelly, Amanda Wilson, Terry Ahmed, Stacey Arneson, Judy Nurik	Amanda Wilson
Outreach	2	Training and Outreach Support Services for NLM (ICF)		DET will need to take over exhibiting), what do they want to do with it. Resources have been developed					BPA	0%			Nicole Scott	LO - OET?	No plans right now for exhibiting. **Ends in June or July?**	Dianne Baloski, Janice Kelly, Amanda Wilson, Terry Ahmed, Stacey Arneson, Judy Nurik	Amanda Wilson
CDMS-H	1	Consumer Health Resources Maintenance (ICF)	Q2 FY2020	Provide subject matter and IT expertise to support Tox Town's, Kids portal, and GeneEd	9/2018-9/2019	Sep-2019	$226,500	Sep 2019	BPA	47%			Alla Keselman	LO - PSD OET?	TOXTOWN (only) - Alla is working on it; **should it go to BSD or PSD since they have consumer resources**, no content expert (people are going) recommend PSD but needs a Task Manager - needs a home - **public facing website should transition to OCCS**; developer is ICF, different CMS, will this go into PSD as consumer or as a CHEMM Tox offering; need to know the funding breakdown of IT as opposed and **need a task manager** Bert and other Tox person make sense as an owner	Dianne Baloski, Janice Kelly, Stephanie Morrison, Terry Ahmed, Stacey Arneson	Amanda Wilson
CDMS-H	1	Special Population Resources Enhancement and Outreach (ICF)	Q4 FY2019 - Q1 FY2020	Support special population resources including Healthreach, Arctic Health, and American Indian Health.	9/2018-9/2019	Sep-2019	$220,000	Sep 2019	BPA	3%			Laura Bartlett	LO / OCCS	Need to figure out resources/funds - this is the content/Outreach part? Very little IT, done by FTE at OCCS, talk to Laura - what should happen, healthreach integrated into Medlin; **need task manager. OCCS will need support for IT, Nicole is asking for an estimate for support of HR**	Dianne Baloski, Janice Kelly, Stephanie Morrison, Terry Ahmed, Stacey Arneson	Amanda Wilson
AIDS	1	AIDSinfo and AIDSource (ICF)	Q4 2019	Manage daily operations of the AIDSinfo, InfoAIDS and AIDSource services - the AIDSinfo website, guidelines and panels, and treatment information	9/2018-9/2019	Sep-2019	TBD ($2,372,862 in FY2018)	Sep 2019	BPA	9%	SIS - 0 DMR - $1,680,000	2,680,000	Nicole Scott	LO DEPS	OCPL? Patti wants it transitioned to another IC, Nicole is working on that	Judy Nurik, Nicole Scott, Stacey Arneson, Stephanie Morrison, Terry Ahmed	Stacey Arneson
AIDS	1	AIDSinfo and AIDSource Supplemental Tasks (ICF)	Q4 2019	Support for content development, outreach, training, evaluation, user studies, etc	9/2018-9/2020	Sep-2019	TBD ($1,337,196 in FY2018)	Sep 2019	BPA	17.00%	SIS - 0 DMR - $286,080	286,080	Nicole Scott	OCPL?	OCPL? Being evaluated for inclusion in MedlinePlus- Andrew Plummer in PSD as an option; logical choice. Nicole and team talking about this. Julian works on this as well as part of the team.	Judy Nurik, Nicole Scott, Stacey Arneson, Stephanie Morrison, Terry Ahmed	Stacey Arneson
AIDS	2	AIDS Foundation Houston (ACOP)		AIDS Community Information Outreach Program (ACOP) Awardee - [https://acicop.blog/currently-funded-projects/]	9/24/18-9/23/19	N/A	$68,000.00	Sep-2019	Contract	0	SIS: AIDS Fund	N/A	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the USH; End in Sept - **plans to continue? Or moving money to OAMS to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**	ADLO rep (Dianne Bahoski or Joyce Backus), Nicole Scott, OET rep (ask Amanda Wilson who to invite)	Amanda Wilson
AIDS	2	Black Girl Health (ACOP)		AIDS Community Information Outreach Program (ACOP) Awardee - [https://acicop.blog/currently-funded-projects/]	9/24/18-9/23/19	N/A	$48,936.00	Sep-2018	Contract	0	SIS: AIDS Fund	N/A	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the USH; End in Sept - **plans to continue? Or moving money to OAMS to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**	ADLO rep (Dianne Bahoski or Joyce Backus), Nicole Scott, OET rep (ask Amanda Wilson who to invite)	Amanda Wilson
AIDS	3	Comunidades Unidas (ACOP)		AIDS Community Information Outreach Program (ACOP) Awardee - [https://acicop.blog/currently-funded-projects/]	9/24/18-9/23/19	N/A	$49,418.00	Sep-2018	Contract	0	SIS: AIDS Fund	N/A	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the USH; End in Sept - **plans to continue? Or moving money to OAMS to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**	ADLO rep (Dianne Bahoski or Joyce Backus), Nicole Scott, OET rep (ask Amanda Wilson who to invite)	Amanda Wilson
AIDS	3	Philadelphia FIGHT (ACOP)		AIDS Community Information Outreach Program (ACOP) Awardee - [https://acicop.blog/currently-funded-projects/]	9/24/18-9/23/19	N/A	$50,000.00	Sep-2018	Contract	0	SIS: AIDS Fund	N/A	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the USH; End in Sept - **plans to continue? Or moving money to OAMS to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**	ADLO rep (Dianne Bahoski or Joyce Backus), Nicole Scott, OET rep (ask Amanda Wilson who to invite)	Amanda Wilson
AIDS	3	Prevention Collaborative (ACOP)		AIDS Community Information Outreach Program (ACOP) Awardee - [https://acicop.blog/currently-funded-projects/]	9/24/18-9/23/19	N/A	$68,000.00	Sep-2018	Contract	0	SIS: AIDS Fund	N/A	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the USH; End in Sept - **plans to continue? Or moving money to OAMS to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**	ADLO rep (Dianne Bahoski or Joyce Backus), Nicole Scott, OET rep (ask Amanda Wilson who to invite)	Amanda Wilson

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	Agency	Offering	Contract	POC @NLM	POC @fed. Agency	Funding FY2018	
CHEM/TOX	FDA	ChemIDplus; Substance Registry	ICF BPA; DSFederal; Cygnus; Scientific Thinking	Ying Sun	Larry Cunningham	$50,000	
DIMRC	DOT	WISER	Next Century	Jen Pakiam	Tom Kitty	$27,179.72	To PSD; not funded as of May 2; expect increase for ERG updates; all to the WISER contract
AIDS	HRSA	AIDSinfo	ICF BPA;	Nicole Scott	Laura Cheever/ Andrea Knox	$25,000	AIDSINFO funding; Nicole is going to continue support this effort (to OCPL)
CHEM/TOX	FDA	Support FDA Office of Orphan Products Development (OOPD)	ICF BPA	Nicole Scott; Ying Sun	Cora Sutton	$195,000	
CHEM/TOX/DIMRC	ASPR	REMM/CHEMM	ICF BPA; Next Century; ICF (IT contract)	Florence Chang; Stacey Arnesen	John Koerner	$221,000	a portion of this goes onto this to support CHEMM ofn the WISER app; expect funding in 2019
NICHSR	ASPE	NICHSR	ICF BPA	?	?	$150,000	

Direct Citations								
CAN Citation Tracki	**IC Reference no.**	Offering	**CAN**	**FY2018 Amount**	**Issuing IC**	**Receiving IC**	**Purpose**	
DC-LM-18-03	DCC AI 5019 03	AIDSinfo	8470035	810,000.00	NIAID	NLM/SIS	AIDS Info Service	expected funding in 2019; plan to transition to NIAID in 2020; supports guidelines
DC-LM-18-13	DCC-AI-4042-06	NAS task for Forum on Medical and Public Health Preparedness for Disasters and Emergencies	8010831	35,000.00	NIAID	NLM/SIS	Medical and Public Health	all of these (green) are collected by NLM to add to the NASEM contract for the forum
DC-LM-18-14	DCC-AI-7065-02	NAS task for Action Collaborative on Disaster Research	8010831	10,000.00	NIAID	NLM/SIS	IOM	
DC-LM-18-15	OD-2018-03	NAS task for Action Collaborative on Disaster Research	8469994	75,000.00	NIEHS	NLM/SIS	Large Scale Event	
DC-LM-18-17	OD-2018-02	NAS task for Forum on Medical and Public Health Preparedness for Disasters and Emergencies	8469994	10,000.00	NIEHS	NLM/SIS	Catastrophic Event	
DC-LM-18-20	HD-8-132	NAS task for Action Collaborative on Disaster Research	8014682	10,000.00	NICHD	NLM/SIS	NASEM	
DC-LM-18-21	1837	NAS task for Action Collaborative on Disaster Research	8321311	5,000.00	FIC	NLM/SIS	NASEM	
DC-LM-18-22	OD-2018-05	NIH Disaster Research Response Program (https://dr2.nlm.nih.gov)	8469994	100,000.00	NIEHS	NLM/SIS	DR2 NLM Website	this is under discussion w/PB; goes to ICF; DR2 web (IT and content)
DC-LM-18-23	18-143	NAS task for Action Collaborative on Disaster Research	8391741	10,000.00	OBSSR/OD	NLM/SIS	NASEM	
DC-LM-18-24	D2-CO-8145		8323341	10,000.00	NCI	NLM/SIS	NASEM	

National Library of Medicine
Inventory of Public-Facing Offerings

Group	Offering Name	Offering Short Description	Red, Yellow, Green	Column2	page views 2018	Timeline FY2019	Offering Type	Primary Organization Name	Primary Offering Owner Name	Owner following transition	Meeting Attendees
AIDS	AIDSinfo	NLM collaborates with the U.S. Department of Health and Human Services (HHS) to deliver AIDSinfo, a resource providing information on HIV/AIDS clinical trials and federally approved HIV treatment and prevention guidelines, information on HIV/AIDS treatment, clinical trials, and other HIV/AIDS-related research information for health care providers, researchers, people affected by HIV/AIDS, and the general public. The Spanish version is called infoSIDA.	yellow	LO	8,573,046	May 2019 - Q4 2020	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Nicole Scott	Nicole Scott	
AIDS	AIDSsource	AIDSource offers access to a comprehensive collection of HIV/AIDS-related resources reviewed and selected by expert information specialists and librarians. Materials are available in Spanish materials as well.	yellow	LO	95,155	May 2019 - Q4 2020	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Nicole Scott	Nicole Scott - Andrew Plummer?	
CHEM/TOX	AltBib	AltBib provides resources on Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing.	green	pubmed topic queries; needs to move to main web look		Q3	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Bert Hakkinen	Bert Hakkinen	
n/a	American Indian Health	American Indian Health is a source for information about the health and well being of Native Americans and Alaska Natives. Portal to be sunset in FY2019.	Red			Q4 - awairing sunset approval	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Laura Bartlett	N/A	
n/a	Arctic Health	Arctic Health is a source for information on diverse aspects of the Arctic environment and the health of northern peoples. Portal to be sunset in FY2019.	Red			Content assumed by a University	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Laura Bartlett	N/A	
	BabelMeSH	BabelMeSH is a cross-language tool for searching MEDLINE/PubMed intended for users whose native language is not English.					Digital Service	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Paul Fontelo		
	C3PI pill image collection	Computational Photography Project for Pill Identification (C3PI) is a database of pill images and data accessible to the public.					Data	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Lee Peters/Olivier Bodenreider		
	CCRIS	Moved to PubChem	Purple								
	CDD/SPARCLE	Conserved Domain Database/Subfamily Protein Architecture Labeling Engine (CDD/SPARCLE) is a tool that provides protein resources with well-annotated multiple sequence alignment models for ancient domains and full-length proteins. It also provides functional characterization and labeling of protein sequences that have been grouped by their characteristic domain architecture.					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Marchler-Bauer, Aron		
CHEM/TOX	Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass-casualty chemical incident.	yellow	understand users, cross map, look for duplication, environmental scan	595,249	Q1 FY2020	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Bert Hakkinen	Bert Hakkinen or Jen Pakiam?	

CHEM/TOX	ChemIDplus	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM and other databases and resources, including links to federal, state and international agencies.	yellow	? Replace with pubchem FC/JO to make plan	4,450,320	Q4	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	Jeanne Goshorn	Jeanne Goshorn	
	CHiQA	Consumer Health Information and Question Answering (CHiQA) is an experimental AI system that is learning how to answer health-related questions using reliable sources for patients.					Digital Service	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Dina Demner		
	ClinicalTrials.gov	ClinicalTrials.gov is a tool for accessing a public database of privately and publicly funded clinical studies conducted around the world.					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Rebecca J. Williams		
	ClinVar	ClinVar is an archive of human genetic variants and their relationships to disease.					Data	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Melissa Landrum		
	Common Data Element (CDE) Repository	The NIH Common Data Element (CDE) Repository provides access to structured human and machine-readable definitions of data elements that have been recommended or required by NIH Institutes and Centers and other organizations for use in research and for other purposes.	green	PFB to get DB to write budget request to SDC		Q2	Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	Patrick Mclaughlin		
	CORE subset of SNOMED CT	The CORE subset of Systematized Nomenclature of Medicine -- Clinical Terms (SNOMED CT) is a subset of clinical data that is most useful for documenting and encoding clinical information at a summary level.					Data	Lister Hill National Center for Biomedical Communications / Computer Science Branch	Kin Wah Fung		
	CTD Comparative Toxicogenomics Database	migrated to PubMed	purple								
	DailyMed	DailyMed provides trustworthy information about marketed drugs in the United States. DailyMed is the official provider of FDA label information (package inserts).	yellow	JS to discuss with ID to consider sunset		Q3	Digital Service	Library Operations (LO) / Bibliographic Services Division	Tammy Powell		
DATA	Data Discovery	The NLM open data discovery site, presented via the Socrata platform, provides easy interface to view, filter, download, visualize, and explore datasets.	Yellow	JB, ID, JO, FC to decide one of three platforms		Q2 (Data Discovery license) FY2021 on one data platform	Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	David Hale	David Hale	
	Data Distribution Program	The Data Distribution Program is an NLM program, coordinated and supported by MMS, which provides access and support to users accessing FTP files for various NLM data sets.	yellow	JB, ID, JO to decide one of three platforms		Q2 (Data Discovery license) FY2021 on one data platform	Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	Peter Seibert		
	DART Developmental and Reproductive Toxicology Database	content available in PubMed	purple								
	dbGaP	The database of Genotypes and Phenotypes (dbGaP) is an archive of data and results from studies that have investigated the interaction of genotype and phenotype in Humans. It also provides web interfaces to request and access these data.					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Mike Feolo		

	dbSNP/dbVar	Single Nucleotide Polymorphism Database (dbSNP) and Database of Genomic Structural Variations (dbVar) together constitute NCBI's database of small (<= 50bp) and large (>50bp) human variations and populations frequencies.					Product	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Lon Phan		
	Dermal	Content merged into PubChem	purple								
DRUG	Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products sold in the United States. DSID is a collaboration with NIH's Office of Dietary Supplements and USDA.	Yellow	JB, FC DB to talk with ODS to make a plan (Jean Goschorn)		Q2-Q3, 2020	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	Jeanne Goshorn	Jeanne Goshorn?	
DRUG	Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label derived information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. DSLD is a collaboration with NIH's Office of Dietary Supplements.	Yellow	Lo - need to look at long term viability with indexing & topic search	393,797	Q2-Q3, 2020	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	Jeanne Goshorn	Jeanne Goshorn?	
	Digital Collections	NLM Digital Collections comprises texts, images, audiovisuals, maps and software. Includes both scanned and born digital items.	green	JB to work with LHC to move Images, Profiles; HSR, Disaster Lit that is appropirate for the collection			Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	Jennifer Gilbert		
DIMRC	Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and technology for disaster and public health emergency preparedness, response, and recovery. The focus is to connect people to quality disaster and public health emergency information and foster a culture of community resiliency.	Yellow	Move to network resources -	65,375	Q2 2020	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	Stacey Arnesen	OET?	
DIMRC	Disaster Lit: Database for Disaster Medicine and Public Health	Disaster Lit, the Database for Disaster Medicine and Public Health, contains links to disaster medicine and public health emergency resources available on the Internet at no cost. Resources include guidelines, research reports, training classes, fact sheets, website, databases, data sets, and similar materials.	Yellow	when rights acquired, will move to digital collection and sunset by spring 2020	74,751	Q2 2020	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	Stacey Arnesen	?	
	DOCLINE	DOCLINE is an automated interlibrary loan (ILL) request routing system facilitating resource sharing among libraries in the National Network of Libraries of Medicine (NNLM).	green				Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section	Public Services Division		
DRUG	Drug Information Portal	The Drug Information Portal contains information for over 55,000 drugs. Names, usage, and structures are displayed, as well as search links to key NLM and government sites. Same backend database as ChemIDplus.	purple		1,078,965	Q3 - Q4 (starting)	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	Jeanne Goshorn	Jeanne Goshorn?	

	Enviromental Health Student Portal	The Enviromental Health Student Portal provides educational resources for middle school students and educators.	Red		95,155	Q4 - awairing sunset approval some content to ToxTown	Digital Service	Specialized Information Services (SIS) / Office of the Director	Alla Keselman		
n/a	Environmental Health and Toxicology Information	The Environmental Health and Toxicology Information website is a portal to numerous NLM databases and resources in environmental health and toxicology.	purple	Revise and migrate to NLM main site, not SIS	77,096	Q3 - Q4	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	Colette Hochstein	Colette Hochstein?	
	GenBank	GenBank is an archive of assembled, annotated nucleic acid sequences that are deposited by scientists worldwide as part of their research projects.					Data	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Ilene Mizrachi		
n/a	GeneEd	GeneEd is a portal of genetic topics such as cell biology, DNA, genes, epigenetics and more for students and teachers. Information from the site will be merged with Genetics Home Reference in spring 2019.	Red	Already Sunset	622,670	Q3 (March 31, 2019)	Digital Service	Specialized Information Services (SIS) / Office of the Director	Alla Keselman	Complete?	
	GeneTox	Moved to PubChem	purple								
	Genetics Home Reference	Genetics Home Reference is a consumer health resource that provides information for the general public about the effects of genetic variation on human health.	purple	INTEGRATED into MEDLINE plus connect ?? All of Us		Q3	Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	Public Services Division		
	GEO	Gene Expression Omnibus (GEO) is an international public repository that archives and freely distributes microarray, next-generation sequencing, and other forms of high-throughput functional genomics data submitted by the research community.					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Tanya Barrett		
CHEM/TOX	Hazardous Substances Data Bank (HSDB)	The Hazardous Substances Data Bank (HSDB) is a comprehensive, peer-reviewed toxicology data bank for about 6,000 chemicals. A TOXNET database.	purple	going to PubChem, sunsetting interface		Q4	Data	Specialized Information Services (SIS) / Biomedical Information Services Branch	Jeanne Goshorn	Jeanne Goshorn?	
n/a	HazMap	Haz-Map is an occupational health database designed for health and safety professionals and for consumers seeking information about the adverse effects of workplace exposures to chemical and biological agents. The main links in Haz-Map are between chemicals and occupational diseases.	Red	Plan sunset by July 2019; FC	447,253	Q3 - Q4	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Pertti Hakkinen	Bert Hakkinen	
CONS HLTH	HealthReach	HealthReach is a database of easy to read, multilingual health information for those working with or providing care to individuals with limited English proficiency.	purple	sunsest interface; consider investment in non-English, low literacy health information - LO	250,791	Q4 - FY2020 Q1	Digital Service	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Laura Bartlett	Michael Honch?	
	HMD Circulating Now Blog	Circulating Now raises awareness of the historical collections of the National Library of Medicine and informs the public about the resources, services, events and activities of the NLM History of Medicine Division.	green				Digital Service	Library Operations (LO) / History of Medicine Division	Elizabeth Mullen		

	HMD Digital Gallery	HMD Digital Gallery is an online presentation of curated digitized content that links audiences to Digital Collections. Curated assets that comprise Digital Galleries support and enhance online exhibitions' content. Currently, every Digital Gallery is connected to an online exhibition.	green				Digital Service	Library Operations (LO) / History of Medicine Division/ Exhibitions Section	Patricia Tuohy		
	HMD Directory of History of Medicine Collections (DHMC)	HMD Directory of History of Medicine Collections (DHMC) is a public-facing database containing information on collections in the history of health sciences all around the world.	yellow				Digital Service	Library Operations (LO) / History of Medicine Division	Lindsay Franz		
	HMD FDA Notices of Judgment	HMD FDA Notices of Judgment is a public interface to the digital archive of the FDA Notices of Judgment	purple				Digital Service	Library Operations (LO) / History of Medicine Division			
	HMD Finding Aids	The HMD Finding Aids web site is a comprehensive online system that allows patrons to discover the unique personal paper and archival collections held by NLM through progressively detailed descriptions of a collection's component parts.	green				Digital Service	Library Operations (LO) / History of Medicine Division	John Rees		
	HMD Finding Aids Consortium	The History of Medicine Finding Aids Consortium is a discovery tool providing keyword search services across a union catalog of finding aids describing archival collections broadly related to the history of medicine and its allied sciences.	yellow				Digital Service	Library Operations (LO) / History of Medicine Division	John Rees		
	HMD IndexCat	HMD IndexCat is the public facing database which provides direct access to the digital version of the Index-Catalogue of the Library of the Surgeon General's Office, the electronic Thorndike and Kibre (eTK for medieval Latin texts), and the electronic Voigts and Kurtz (eVK2 for medieval English texts).	green				Digital Service	Library Operations (LO) / History of Medicine Division	Lindsay Franz		
	HMD Medicine on Screen	Medicine on Screen is a curated portal to selected films from the National Library of Medicine's collection of over 10,000 historic audio visual titles.	green				Digital Service	Library Operations (LO) / History of Medicine Division	Sarah Eilers		
	HMD Online Exhibitions	HMD Online Exhibitions is an adaptation of exhibition content to the online environment.	green				Digital Service	Library Operations (LO) / History of Medicine Division/ Exhibitions Section	Patricia Tuohy		
	HMD Profiles in Science	Profiles in Science documents the work of leaders in biomedical research and public health using their archival collections.	purple				Digital Service	Library Operations (LO) / History of Medicine Division	Christie Moffatt		
	HMD Web Collection	HMD Web Collection is the public facing offering which searches the internet for web content.	green				Digital Service	Library Operations (LO) / History of Medicine Division	Christie Moffatt		
CHEM/TOX	Household Products Database	The Household Products Database links consumer brands to health effects from Safety Data Sheets provided by manufacturers and allows scientists and consumers to research potential health effects of chemicals in more than 18,000 common household products. based on chemical ingredients. A TOXNET database.	yellow	jO, JB, FC - consider hooking to pubChem	2,290,447	Q3 - Q4	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Pertti Hakkinen	Bert Hakkinen	

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CHEM/TOX	Integrated Risk Information System (IRIS)	Integrated Risk Information System (IRIS) contains data in support of human health risk assessment, including hazard identification and dose-response assessments. It is compiled by the U.S. EPA and contains descriptive and quantitative information related to human cancer and non-cancer health effects that may result from exposure to substances in the environment. A TOXNET database.	Red	EPA will host; they may provide XML to Bookshelf in the future		Q4 or later	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Pertti Hakkinen	Bert Hakkinen	
CHEM/TOX	International Toxicity Estimates for Risk (ITER)	International Toxicity Estimates for Risk includes risk information for over 600 chemicals from authoritative groups worldwide. A TOXNET database.	Red	Sunset - NLM may provide at a later date if ownership is resolved		Q4 or later	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Pertti Hakkinen	Bert Hakkinen	
	Journal Donation	Journal donation provides a method for libraries to search NLM journal holdings in order to offer surplus journal issues/volumes from institutional collections to fill gaps in NLM's collection.	green	may combine with ILL			Digital Service	Library Operations (LO) / Public Services Division / Preservation and Collection Management Section	Public Services Division		
CHEM/TOX	LactMed	LactMed, a Drugs and Lactation Database, provides information on drugs and other chemicals to which breastfeeding mothers may be exposed. Find information about maternal and infant drug levels, possible effects on lactation and on breastfed infants, and alternative drugs to consider. A TOXNET database.	purple	Bookshelf; managed at TBD; approved publisher NCBI will verify		Completed	Data	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Lucie Chen	Bert Hakkinen	
	LinkOut for Libraries	LinkOut is a service through NCBI/PubMed which allows users to link directly from PubMed and other NCBI databases to a wide range of information and services beyond the NCBI systems.	green	Consolidating backend to one tool under PubMed 2.0		Q3 - Q4	Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	Sarah Helson		
	Lister Hill Intramural Research Program	The Lister Hill intramural research program conducts biomedical informatics research to develop advanced health information resources and software tools for use in biomedical research and by health IT professionals, health care providers, and consumers.					Product	Lister Hill National Center for Biomedical Communications			
CHEM/TOX	LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and management of liver injury attributable to prescription and nonprescription medications, herbals and dietary supplements. A collaboration with National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK).	purple	NIDDK plans to maintain; NCBI will deliver from Bookshelf	3,740,565	Q3 - Q4	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Pertti Hakkinen	Bert Hakkinen?	
	Loansome Doc	Loansome Doc allows users to order full-text copies of biomedical literature from a medical library (local fees and delivery methods may apply). Users must register with a participating library to use this service.	Red			Q3	Digital Service	Library Operations (LO) / Public Services Division / Collection Access Section	Public Services Division		

	LocatorPlus	LocatorPlus is a MARC-based catalog of books, journals, audiovisuals, electronic resources, and other materials, including holdings and availability.	yellow	Looking for FISMA compliant vendor			Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section	Diane Boehr		
	LSTRC Publisher Web Form	The Literature Selection Technical Review Committee (LSTRC) is a federal advisory committee that meets three times a year to review and recommend journals for inclusion in MEDLINE. The system allows publishers and editors to submit the required application for a journal to be considered for inclusion in MEDLINE.	purple	NCBI writing into PMC portal		Q3 - Q4	Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	Jen Diffin		
	Malaria Datasets	Malaria Datasets provides access to segmented cell data from Malaria Screeners, as well as a mobile application for viewing.					Data	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Stefan Jaeger		
	Medical Text Indexer	Medical Text Indexer combines human expertise and Natural Language Processing technology to facilitate indexing of biomedical literature.					Digital Service	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Jim Mork		
	MEDLINE	MEDLINE is a database of citations from biomedical journal articles that have been indexed with MeSH terminology and additional metadata assigned and accessed primarily through PubMed	green				Data	Library Operations (LO) / Bibliographic Services Division / Index Section	Deborah Ozga		
	MedlinePlus Connect	MedlinePlus Connect (https://medlineplus.gov/connect/) helps patients and health care providers access consumer health information at the point of care in a health IT system (e.g. patient portals, patient health record systems, and electronic health record systems).	green				Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	Public Services Division		
	MedlinePlus	MedlinePlus.gov is a consumer health resource that offers reliable, up-to-date information on a wide variety of health topics in English and Spanish for patients, families, and the general public.	green				Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	Public Services Division		
	Medpix	MedPix® is a free open-access online database of medical images, teaching cases, and clinical topics, integrating images and textual metadata.					Data	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Soumya Gayen		
	MeSH RDF	Medical Subject Headings in Resource Description Format (MeSH RDF) is a linked data representation of the MeSH biomedical vocabulary. MeSH RDF includes a downloadable file in RDF N-Triples format, a SPARQL query editor, a SPARQL endpoint (API), and a RESTful interface for retrieving MeSH data.	yellow	establsh a plan for uptake; eval in a year - JB		Q1 FY2020 (review usage)	Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section	Barbara Bushman		
	MeSH Vocabulary	The Medical Subject Headings (meSH) vocabulary is a hierarchically-organized controlled medical terminology, used for indeixng, cataloging and searching.	green	MEDLINE 2022			Product	Library Operations (LO) / Office of the Director / Medical Subject Headings Section	Jim Pash		
	MetaMap	MetaMap is a tool For Recognizing UMLS Concepts in Text.					Product	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Dina Demner-Fushman/Jim Mork		

	Outreach & Training	MMS Outreach & Training includes classes, training resources, and news sources to help users learn about a variety of NLM resources, mostly those produced outside MMS. Will include outreach and training from SIS efforrts (e.g. Toxnet, AIDS, DMIRC) and materials at ORAU	purple				Human Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	Rex Robison		
	NHANES	Materials related to the second and third National Health and Nutrition Examination Surveys (NHANES II and III), carried out during the years 1976-1980 and 1988-1994, respectively.					Data	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Rodney Long		
DIMRC	NIH Disaster Research Response Program (DR2)	The NIH NIH Disaster Research Response Program (DR2) program is a collaboration between National Institute of Environmental Health Sciences (NIEHS) and NLM with the potential for additional NIH Institutes and Centers to join. DR2 is the national framework for research on the medical and public health aspects of disasters and public health emergencies.	Yellow	Stacey to talk to NIEHS collabortor about the plan to sunset and determine other collaborations	15,355	Q3 - Q4	Digital Service	Specialized Information Services (SIS) / Disaster Information Management Research Center	Stacey Arnesen	?	
	NIH Genetic Testing Registry (GTR) / MedGen	NIH Genetic Testing Registry (GTR) / MedGen is a portal to clinical, molecular, and actionable information about human diseases and phenotypes with a genetic component from authoritative sources relevant in the clinical genetics community. It also provides access to an international database of orderable clinical and research genetic tests and the laboratories that provide them as well as supporting resources about genetic diseases and genes.					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Adriana Malheiro		
	NLM Classification	The NLM Classification scheme allows for the arrangement of any medical library collection, created and maintained by NLM. NLM uses the Classification Editor to maintain and update the scheme.	green				Digital Service	Library Operations (LO) / Technical Services Division / Cataloging and Metadata Management Section	Sharon Willis		
	NLM Physical Collection	NLM Physical Collection is the world's largest and most comprehensive medical library, with rich collections in a variety of physical formats spanning ten centuries and originating from nearly every part of the globe. The Library collects materials in all areas of biomedicine, health care and the history of medicine as well as works on biomedical aspects of the humanities, physical, social and life sciences. Includes NLM permanently held journals	green				Product	Library Operations (LO)	Jennifer Marill, Jeff Reznick, Mark Ziomek		
	NLM Extramural Grant Program	The NLM Extramural Grant Program provides public funds to researchers and scientists to pursue research, development and training in biomedical informatics and data science					Product	Extramural Programs	Valerie Florance, PhD		

	NLM Main Web	The NLM Main Web hosts thousands of NLM sites providing a broad range of services to users across the globe. Over 1 million users access NLM Main Web pages quarterly to search for and access NLM products.	purple	Decide OCPL/LO management		Q3	Digital Service	Library Operations (LO) / Public Services Division / Reference and Web Services Section	Public Services Division		
	NLM Products and Services Directory (see NLM data distribution above)	The NLM Products and Services Directory is a website that provides a searchable directory of ~ 281 NLM products and services.	purple	part of the main web site - should be the place where downloadable data including socrata?			Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	Karen Nimerick		
	NLM Scrubber	NLM Scrubber is a clinical text de-identification tool.					Product	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Mehmet Kayaalp		
	Openi	Open-i is an experimental multimedia search engine to retrieve and display structured MEDLINE citations augmented by image-related text and concepts as well as links to images based on image features.					Digital Service	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Dina Demner		
	ORBIT	The Online Registry of Biomedical Informatics Tools (ORBIT) Project is a community-wide effort to create and maintain a structured, searchable metadata registry for informatics software, knowledge bases, data sets and design resources.					Digital Service	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Dina Demner		
	Pathogens	NCBI Pathogen Detection system integrates bacterial pathogen genomic sequences originating in food, environmental sources, and patients, to uncover potential food contamination sources, helping public health scientists investigate foodborne disease outbreaks.					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Klimke, William		
	Personal Health Record	Personal Health Record - "A web-based tool for tracking your health information"					Product	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Sameer Antani		
DRUG	Pillbox	Pillbox enables rapid identification of unknown solid-dosage medications (tablets/capsules) based on physical characteristics and high-resolution images.	Yellow	Drug swat team review - images are not a sustainable product; manufactures can load images to daily med	921,103	Q3 - Q4	Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	David Hale	David Hale?	
	Profiles in Science	Profiles in Science is a digital archival collection associated with prominent scientists, physicians, and others who have advanced the scientific enterprise.					Digital Service	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Marie Gallagher		
	PubChem	PubChem is a digital collection of chemical substances and their biological activities.					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch			
	PubMed	PubMed is a digital collection of biomedical literature journal article abstracts					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Kathi Canese		

	PubMed Central (PMC)	PubMed Central is a digital collection of full-text biomedical literature journal articles					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Katie Funk		
	PubMed for Handhelds	PubMed for Handhelds brings medical information to the point of care via devices like smartphones.					Product	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Paul Fontelo		
CHEM/TOX	Radiation Emergency Medical Management (REMM)	Radiation Emergency Medical Management (REMM) is a resource to assist healtcare providers diagnosis and treat a variety of radiation injuries.	Yellow	understand users, cross map	388,653	Q1 FY2020	Digital Service	Specialized Information Services (SIS) / Office of the Director	Florence Chang	Jen Pakiam?	
	RefSeq	RefSeq is a comprehensive, integrated, non-redundant, well-annotated set of sequences including genomic, transcript, protein, and related value-added sequence resources.					Data	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Murphy, Terence		
	RIDeM	Repository for Informed Decision-Making (RIDeM) is a Clinical Decision Support project with a long-term goal to provide access to key facts needed to support clinical decision making.					Digital Service	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Dina Demner		
	RxNav	RxNav is a browser to access RxNorm and other drug resources through graphical and application programming interfaces.					Digital Service	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Lee Peters/Olivier Bodenreider		
	RxNorm	RxNorm provides normalized names for clinical drugs and links its names to many of the drug vocabularies commonly used in pharmacy management and drug interaction software.	green	BSD			Data	Library Operations (LO) / Bibliographic Services Division	Tammy Powell		
	RxTerms	RxTerms is a database of drug interface terminology derived from RxNorm. The database can be an aid to prescription writing or medication history recording.					Data	Lister Hill National Center for Biomedical Communications / Computer Science Branch	Kin Wah Fung		
	SemMedDB	The Semantic MEDLINE Database (SemMedDB) is a repository of 90 million semantic predications (subject-predicate-object triples) extracted from MEDLINE.					Digital Service	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Halil Kilicoglu		
	SeqTools	SeqTools is a suite of tools and interfaces that are users' first choice for taking advantage of NCBI-provided nucleotide and protein databases.					Digital Service	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Valerie Schneider		
	SFX	An OpenURL link resolver that provides access to full-text based on user rights, and provides links from article citations to full text licensed and free-access journals.		process tool for link out management			Digital Service	Library Operations (LO) / Technical Services Division / Library Technology Services Section	Esther Baldinger		
	SimpleITK	Simple Insight Segmentation and Registration Toolkit (SimpleITK) is an open-source, cross-platform system that provides developers with an extensive suite of software tools for image analysis.					Product	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Ziv Yaniv/Olivier Bodenreider		
n/a	SIS main website	The SIS main website provides access to the resources offered by SIS, in the areas of toxicology and environmental heatlh, chemistry, HIV/AIDS, disaster health, and topics relevant to specific populations.	Red	Post messages; sunset on Dec 1		Q3	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	Jeanne Goshorn	?	

	SNOMED CT	SNOMED CT is a comprehensive, multilingual health terminology, allowing health information to be shared consistently within and across healthcare settings.	green				Data	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	Suzy Roy		
	SNOMED CT to ICD mappings	Systematized Nomenclature of Medicine -- Clinical Terms (SNOMED CT) to ICD mappings is a comprehensive database to map SNOMED CT and with codes from the International Classification of Diseases (ICD9CM/ICD10CM).					Digital Service	Lister Hill National Center for Biomedical Communications / Computer Science Branch	Kin Wah Fung		
	Specialist Lexicon and Lexical Tools	Specialist Lexicon and Lexical Tools provide lexical information needed for biomedical Natural Language Processing.					Product	Lister Hill National Center for Biomedical Communications / Cognitive Science Branch	Chris Lu/Jim Mork		
	SRA	Sequence Read Archive (SRA) is NIH's primary archive of raw sequencing data and alignment information obtained from high-throughput sequencing platforms.					Data	National Center for Biotechnology Information (NCBI) / Information Engineering Branch	Chris O'Sullivan		
DRUG	Substance Registration System	The Substance Registration System is a joint FDA/USP project to support health information technology initiatives by generating unique ingredient identifiers (UNIIs) for substances in drugs, biologics, foods, and devices. A collaboration with FDA.	Green		520,379	Q3 - Q4	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	Jeanne Goshorn	Jeanne Goshorn?	
	ToxLearn	Content to be assumed by the Society of Toxicology	purple						Bert Hakkinen		
	ToxLine	References now retrievable in PubMed	purple								
n/a	~~Tox Mystery~~	~~Tox Mystery is an interactive game about toxic substances for children ages 7-10.~~ Site will be sunset in fall of 2018.	Red			~~Gone already~~	~~Digital Service~~	~~Specialized Information Services (SIS) / Office of the Director~~	~~Florence Chang~~	N/A	
CONS HLTH	Tox Town	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals.	Green		1,129,615	Q1 FY2020	Digital Service	Specialized Information Services (SIS) / Office of the Director	Alla Keselman	?	
CHEM/TOX	Tox Tutor	tox Tutor provides college-level tutorials on the basic principles of toxicology, toxicokinetics, cellular toxicology, and related topics, e.g., exposure science and risk assessment. It is a self-paced tutorial covering key principles of toxicology for users of the NLM chemical and toxicology databases.	Yellow		549,607	Q1 FY2020	Digital Service	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Pertti Hakkinen	Bert - OET?	
n/a	ToxMap	TOXMAP: Environmental Health Maps provides searchable, interactive maps of EPA TRI and Superfund data, plus US Census and NCI health data	Red	Pre portal sunset plan		Q4	Digital Service	Specialized Information Services (SIS) / Biomedical Information Services Branch	Colette Hochstein	Status?	
CHEM/TOX	TOXNET	TOXNET is a search system for a cluster of databases covering toxicology, hazardous chemicals, environmental health and related areas.	purple		7,957,267	Q4	Digital Service	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	Florence Chang	Wei Ma	
	Tuberculosis Images	Tuberculosis Images is a dataset of Tuberculosis Chest X-rays from various sources.					Data	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Stefan Jaeger		
	Turning the Pages	Turning the Pages enables users to touch and turn historical biomedical manuscripts from NLM's collection.					Digital Service	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Michael Chung		

	Unified Medical Language System (UMLS)	The Unified Medical Language System (UMLS) is a set of files and software that brings together many health and biomedical vocabularies and standards to enable interoperability between computer systems.	Yellow	fix this puppy		Q1 FY2029	Data	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	David Anderson		
	Value Set Authority Center (VSAC)	Value Set Authority Center (VSAC) is a repository and authoring tool for public value sets created by external programs. Value sets are lists of codes and corresponding terms, from NLM-hosted standard clinical vocabularies, that define clinical concepts to support effective and interoperable health information exchange.	Yellow	need to determine how to grow the audience		Q3 2020	Digital Service	Library Operations (LO) / Bibliographic Services Division / MEDLARS Management Section	Maureen Madden		
	Visible Human Dataset	The Visible Human Dataset contains Visible Man and Visible Woman cross-sectional cryosection, CT, and MRI images.					Data	Lister Hill National Center for Biomedical Communications / Communications Engineering Branch	Sameer Antani		
CHEM/TOX	Wireless Information System for Emergency Responders (WISER)	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, managers, and healthcare providers in hazardous materials incidents.	Yellow	Understand users, cross map	624,253	Q1 FY2020	Product	Specialized Information Services (SIS) / Disaster Information Management Research Center	Jennifer Pakiam	Jen Pakiam?	

From: Nurik, Jody (NIH/OD) [E]
Sent: 1 Jul 2019 14:38:43 -0400
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Tuncer, Diane (NIH/NIDDK) [E];Scott, Nicole (NIH/NLM) [E]
Bcc: Middleton, Grace
Subject: Re: SIS comms
Attachments: SIS Sunset_Communication Messages and Distribution Plan 070119V1.docx

Hi Jerry,

The attached includes updates from the Friday meeting with Patti and today's activities. Nicole is working with Allison on the NLM org chart (page content and PDF) changes to the website. Think that does it for now.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Monday, July 1, 2019 at 2:25 PM
To: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Cc: Diane Tuncer <diane.tuncer@nih.gov>
Subject: Re: SIS comms

Hi Jerry,

I have been monitoring the items below that are due out today:

- SIS homepage banner and new content – DONE
- K-12 banner – DONE
- @nih_sis Twitter – account closing tweet – WENT OUT TODAY with three other message scheduled for each day the rest of this work week
- Technical Bulletin Announcement – SENT TO LO

Believe that is everything due out today. I am updating the SIS communications plan now and will send it to everyone shortly.

Regards,
Jody

Jody Nurik

Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Date: Monday, July 1, 2019 at 2:19 PM
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Subject: SIS comms

Jody, Nicole,
Do we have a timeframe for posting the SIS materials today.

Jerry

Jerry Sheehan
Deputy Director
National Library of Medicine | National Institutes of Health
8600 Rockville Pike, Bethesda, MD 20894-3808 USA
Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
http://nlm.nih.gov

Sunset of NLM Division of Specialized Information Services (SIS) Communication Messages and Distribution Plan

General SIS Sunset Message

As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov.

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.

Communication Messages and Distribution Plan

Distribution Channel	Message	Delivery Date
Talking Points to Dr. Collins/Dr. Tabak	**Message:** As outlined in the Phase 1 concept plan that was approved in late 2018**,** NLM will close its Specialized Information Services Division effective June 30, 2019. Some SIS information services and programs will be transferred to other divisions of NLM, while other will be terminated or transitioned to other organizations. Approximately 40 Federal staff in SIS have been reassigned to other NLM divisions. Contractors are being reassigned as programs transition. **Original purpose:** Specialized Information Services (SIS) was established at NLM in 1967, with the Toxicology Information Program being a major element. The	6/28 Per Patti, this needs to be put on hold – annual review info.

	program was designed to fulfill recommendations made by the President's Science Advisory Committee; with the objectives to create computerized toxicology information and data banks from the literature, and from the data sources of collaborating agencies. SIS also engages in health information outreach to special populations and has responsibility for disaster health information management. **Why no longer needed:** Some SIS resources have experienced low usage and/or have become obsolete and will be retired. Remaining programs and services will be realigned to integrate them into broader NLM operations to improve operational efficiencies and effectiveness. **Critical issues:** NLM has announced the dissolution of SIS to major stakeholder groups and will continue to provide information to assist users in finding existing information resources as they are transitioned to other websites over coming months. For those information services that will discontinued, NLM will ensure archiving of the resources so that no information is lost. The new locations for the resources will be shared on the NLM and SIS homepages. TOXNET, the flagship SIS resource, is being integrated into other chemical information resources maintained by the NLM's National Center for Biotechnology Information; most remaining programs, including outreach, will be integrated into NLM's Library Operations Division.	needs to be sent first
NLM Broadcast Email from Dr. Brennan	TO INCLUDE ALL PHASE I UPDATES SIS, APDB, OET, OCCS) Dear Colleagues: We have been working diligently to align our organizational structure and offerings wi the National Library of Medicine's Strategic Plan, 2017-2027. As we do, the NLM will become more efficient and effective to delivering on our mission. Effective on July 1st, the Specialized Information Services (SIS) division will be discontinued, with staff and programs integrated into other parts of the organization. This integration will improve discoverability and access to resources for engaging with broader audiences and enabl NLM to better leverage its talents and resources.	By July 9 to coincide with Patti's Blog Post Draft send to Patti on 6/28

	With a long and important history, SIS has provided more than 50 years of service to NLM and the American people. Founded in 1966 in response to the urgent need for a coordinated, complete, computer-based resource of toxicological information, it grew over time to include what we know now as TOXNET. The program expanded further to include outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. Our new organizational structure strives to create a more collaborative environment f curating important toxicology information and a more integrated information infrastructure, ensuring the integrity and sustainability of key. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner site or discontinued. We will provide notice of these changes as they are made on the SIS home page at https://sis.nlm.nih.gov. With this transition, we also acknowledge two outstanding NLM leaders as they retire, Florence Chang, Acting Associate Director, and Janice Kelly, Acting Deputy Associate Director. They have dedicated their careers to the health of the nation and a strong an trusted NLM and have led an outstanding, dedicates staff. I hope you will join me in thanking them for their service and wishing them well as they take on new ventures. While change can be difficult, I believe it will produce a stronger NLM that will better serve our broad sets of users. I am grateful to all SIS staff for their professionalism and flexibility throughout this transition. As we work more closely and break down boundaries between our units, NLM is poised to make great strides in accelerating discovery and advancing health through data-driven research. Patti Patricia Flatley Brennan, RN, PhD Director, National Library of Medicine	
Message on SIS Home Page	Please note, this page will no longer be available effective 12/1/2019.	On 7/1

	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of mar SIS programs into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. We will provide notice of these changes as they are made. Links to SIS resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	DONE
Technical Bulletin Announcement	As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of many SIS program into other parts of NLM. This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness. Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner site or discontinued. We will provide notice of these changes as they are made. Links to SI resources and programs in their new locations will be shared on the SIS homepage at https://sis.nlm.nih.gov. Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656.	The week of 7/1 SENT TO LO on 6/28

Social Media Messaging re: Shutdown **The week of July 8 - A notice will be posted on @nlm_sis Twitter account stating the account will be closed as of 7/31/19**	The following will be sent the week of July 1, 2019 • The @NLM_SIS account is closed as of 7/31/19. Please follow @NLM_News to stay up to date! POSTED on 7/1 and this message pinned to the top • Please follow @NLM_News to stay up to date on our services. Thank you. • For all the latest information, please follow @NLM_News. Effective 7/31/19 this account will no longer provide updates.	7/1
Musings Blog	OCPL will send Patti talking points for the blog – a continuation of the January 2, 2019 blog post. TO INCLUDE ALL PHASE I UPDATES SIS, APDB, OET, OCCS, HPPC	7/9 ROUGH DRAFT sent to Patti on 6/28 – she let us know she'll do the first draft
Update NLM Website Org Charts	OCPL will make the changes to the online org charts	7/1 Allison to post
Web Site Message **-K-12 Science and Health Education**	Please note, this page will no longer be available effective 12/1/19. Visit www.sis.nlm.nih.gov for additional information.	7/1 DONE
Message for BSD (LO)	Messaging: Welcome to your new home re: scientific review panel. Work will continue.	Week of July 8
ENHIP (Environmental Health Information Partnership)	Same as Technical Bulletin content	Week of July 8
NNLM Listserv **(Amanda Wilson sends on Fridays)**	Repurpose Technical Bulletin content (SEE IF OET should be included)	7/12

From: Thomas, Phillip (NIH/NLM) [E]
Sent: 2 Jul 2019 11:17:49 +0000
To: Corn, Milton (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Milt,
Thanks for looking into this.

I'll discuss with the matter further with George to see if we can come up with another option. The small part that we have selected and boxed up are the most critical. Perhaps we can find private funding.

Phillip

From: Corn, Milton (NIH/NLM) [E]
Sent: Monday, July 1, 2019 10:54 AM
To: Thomas, Phillip (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Phil,

I'm sorry but this looks like an impasse that I can't resolve. I take seriously your evaluation of the value of the remaining volumes, but I cannot disregard the multiple opinions I've received that dispute your claim. In addition, SIS seems actively opposed to shipping the materials you've boxed. This is painful for you and George but I have no remedy.

Milt

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine at NIH

From: "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>
Date: Friday, 28. June 2019 at 14:43
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Cc: "Chang, Florence (NIH/NLM) [E]" <changf@mail.nlm.nih.gov>, "Lockett-Jordan, Deborah (NIH/NLM) [E]" <dlovelace@mail.nih.gov>
Subject: RE: SIS toxicology book collection

Milt,
I have no estimate of the cost (6 large boxes; 8 medium boxes, 4 large envelopes – all heavy), but Florence Chang says to write/ask her. This is her last day.
--Phillip

From: Corn, Milton (NIH/NLM) [E]
Sent: Friday, June 28, 2019 10:49 AM
To: Thomas, Phillip (NIH/NLM) [E] <thomasph@mail.nih.gov>
Subject: Re: SIS toxicology book collection

Phil,

Everyone I contacted at Nlm about this collection is confident that appropriate evaluation has been made, and that removal is justified. What are the shipping costs for the 14 boxes you and George have found new homes for?

Milt

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine at NIH

From: "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>
Date: Friday, 28. June 2019 at 07:19
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Subject: Re: SIS toxicology book collection

Hi,
I am told the major part of the toxicology book collection will be discarded (read "trashed"). George Fonger and I have been able to contact some university researchers to take part of the collection (we have boxed up about 14 boxes and 4 large envelopes of materials), but I am under the impression that SIS is not willing to ship these most critical items.

Do you have any shipping funds that we can ship at least these materials? George estimates that the entire in-house toxicology collection cost over $300,000.

--Phillip
C: Personal Info

From: Corn, Milton (NIH/NLM) [E]
Sent: Thursday, June 20, 2019 11:52 AM
To: Thomas, Phillip (NIH/NLM) [E]
Subject: Re: SIS toxicology book collection

Phil,

I've contacted a number of people and asked for an explanation of what is happening to this collection and how the decision was reached. I'll let you know how things work out.

Milt Corn

Milton Corn, M.D.
Deputy Director for Research and Education
National Library of Medicine
NIH

From: "Thomas, Phillip (NIH/NLM) [E]" <thomasph@mail.nih.gov>
Date: Wednesday, June 19, 2019 at 11:38 AM
To: "Corn, Milton (NIH/NLM) [E]" <cornm@mail.nlm.nih.gov>
Subject: SIS toxicology book collection

I understand my former colleague George Fonger spoke with you last week about the dispersal of toxicology interests here in SIS (to be merged with multiple parts of NLM) as of this coming Sunday. If you have any concerns he raised, I am available through my cell phone at: Personal Info

My most urgent frustration is the plan to discard (I believe this means shred rather than find a home for) our toxicology reference collection on Monday. The collection contains hard to acquire books that have been collected over at least 30 years. As this division has worked with Historically Black Colleges and with Regional Medical Centers, I am sure with a little dedication something better than the current plan could be found.

As far as I can see with the Toxnet system, we are changing the essence of NLM from a place where researchers in biomedical interests find resources brought together into an institution which tells researchers to go elsewhere.

In any case, my group is gradually moving back to 38a in the coming months. Although I have been at NLM since 1997, I don't think we have met. George has always talked positively about you. If you are available for coffee someday, do let me know.

Phillip

Phillip Lee Thomas, Ph.D.
TOXNET System Administrator

From: Huerta, Mike (NIH/NLM) [E]
Sent: 9 Jul 2019 18:36:50 +0000
To: Samsel, Leigh (NIH/NHLBI) [E]
Subject: FW: [EXT] Metamodel for terms
Attachments: NLM Customer List Mapping 122018.xlsx, 4.a.2 NPA NLM Portfolio Metamodel v1.0.docx

Please have a look just fyi

From: Melby, Beth <bmelby@mitre.org>
Sent: Tuesday, February 26, 2019 10:55 AM
To: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Cc: Federer, Lisa (NIH/NLM) [E] <lisa.federer@nih.gov>; Ijagbemi, Mayowa <oijagbemi@mitre.org>; Efrom, Neil F. <nefrom@mitre.org>
Subject: RE: [EXT] Metamodel for terms

Hi Mike,

I've attached MITRE's deliverable which elaborates the portfolio metamodel data elements and definitions which were prioritized for the initial work. I'm not sure if you've received this document previously; I hope it will help on the definitions front.

Then, here is some general information about the process to help answer your questions:

1. **Target customer types** – Customer list was initially developed with NLM NPA advisory team working with MITRE. We did not specifically define the customer types for the metamodel documentation. This is an improvement area. For example, we learned during the data call that there had been an NLM outreach functional analysis in the past year during which a customer type list had been produced. MITRE took that list, merged it with the original NPA list and additional customers that were submitted for the NPA. We then came up with a consolidated list that should be considered going forward. I've attached the consolidated list for your reference. We have not brought the list to the Divisions yet to discuss. The idea behind the merged list is to come to consensus that it covers all the necessary customer types. Then, each should be defined and included in the metamodel documentation.
2. **Mandate types** – The list of mandates types was originally brainstormed with the NPA advisory team. Specific definitions of each are not yet in the metamodel definitions file . This is another improvement area.
3. **Alignment to strategic plan** – Offering owners aligned offerings to SP elements based on their own perspective. There was not guidance for this at the time of the data call. This is another improvement area.

I would be very glad to set up time with you and your team to go into detail about the NLM portfolio metamodel, how definitions for data attributes were arrived at, and how MITRE set up the data calls to capture the customers, mandates, alignment and other details. We can describe the whole process to bring you up to speed. I understand that last week's NLM senior leadership meeting produced some recommended next steps in terms of normalizing terms so the timing seems to be right for us to partner with your team to refine the metamodel terms and work to improve the process overall.

Please let me know your thoughts on scheduling a meeting.

Thank you
Beth

From: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Sent: Tuesday, February 26, 2019 7:51 AM
To: Melby, Beth <bmelby@mitre.org>
Cc: Federer, Lisa (NIH/NLM) [E] <lisa.federer@nih.gov>
Subject: [EXT] Metamodel for terms

Hi Beth – In the NPA tool, we are interested figuring out how you got the responses you did for: 1) target customer types, 2) mandate types, and 3) alignment to strategic plan. So, please let me know how these were defined, or guidance given in soliciting this info and/or the metamodel used. Thanks much – Mike

Michael F. Huerta, Ph.D.
Director
Office of Strategic Initiatives
Associate Director
National Library of Medicine
National Institutes of Health
301-827-6451

NPA	OUTREACH AND TRAINING	NPA DATA CALL - NEW CUSTOMERS
	Data Scientist	
	Data resource or tool developer	
Educators	Educator	Educators
	Emergency preparedness and response	
Lay Public	General public	Citizen Scientists Volunteers
Clinicians	Health care provider	Healthcare professional
	Historian	Scholars in the History of Medicine
	Journalist	
Libraries/Librarians	Library or information professional	Librarians Library Staff NNLM Members University and Research Libraries / librarians Biomedical librarians
	Public health professional	Public Health Policy Staff and Decision Makers(both State and Local Government and non-profit organizations) State public health labs Public Health profeessionals
Press/Publishers	Publisher	Journal Editors Media
Researchers	Researcher	
Students	Student, K-12	
Students	Student, college & post-grad	Fellows Graduate-level professional students and their faculty (public health, public policy, HSR, bioinformatics, information science) Interns Students (undergraduate and post graduate)
Congress		
NIH		
Federal Agencies		
NLM Internal		
Commercial Entities		Library Vendors Small Businesses
International Collaborators		
		Domestic Partners and Collaborators
		Not-for-profit Organizations
		Patient/Disease Advocacy Groups

CONVERGED - CUSTOMER TYPES

Original Usage

Types	NPA	Outreach	Data Call - NEW
Congress	X		
Commercial Entities	X		
Library Vendors			X
Small Businesses			X
Educators	X	X	
Educators, K-12			
Educators, College and Post-Graduate			X
Federal Agencies	X		
General Public	X		
Citizen Scientists			X
Volunteers			X
Health Care Professionals		X	X
Clinicians	X		
Health Care Professionals		X	X
Historians		X	X
International and Domestic Collaborators	X		
Domestic Collaborators			X
International Collaborators	X		
Library or Information Professionals	X	X	X
Biomedical Librarians			X
NNLM Members			X
University and Research Librarians			X
Not-For-Profit Organizations			X
Patient/Disease Advocacy Groups			X
NIH	X		
NLM Internal Stakeholders	X		
Public Health Professionals	X		
Emergency Preparedness and Response Professionals		X	
Public Health Professionals (incl. Laboratories)		X	X
Media	X		X
Journalists		X	X
Publishers	X	X	
Researchers	X	X	
Academic and Commercial		X	
Data Resources/Tool Developers		X	
Data Scientists		X	
Students		X	
Fellows			X
Interns			X
Student, K-12		X	
Student, College and Post-Graduate		X	X

Prepared for:

Department of Health and Human Services
National Institutes of Health

CMS Alliance to Modernize Healthcare
Federally Funded Research and Development Center

Strategic Support for National Library of Medicine

Task Order No. HHSN276201800082U

Project Deliverable 4.a.2 NLM Portfolio Metamodel

National Library of Medicine Portfolio Metamodel

Version 1.0

December 21, 2018

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Record of Changes

Version	Date	Author / Owner	Description of Change
1.0	December 21, 2018	B. Melby / CAMH	Version 1.0 for release to Sponsor

Executive Summary

The National Institutes of Health (NIH) National Library of Medicine (NLM) Portfolio Metamodel aims to provide information to NLM decision makers to understand the mix of products and services—called offerings—that NLM provides to customer constituencies. The metamodel is a *future-state illustration* of features that are most critical to a holistic understanding of NLM's portfolio. The metamodel is populated with information sourced from NLM Division management records as well as from NLM financial management systems and processes. It is designed to help answer key management questions that are fundamental to understanding NLM's portfolio both at a high-level and at the individual offering level.

Broadly, NLM management desires to seeks information about:

- What is the number, type, and complete list of offerings available to the public? How do NLM offerings relate to each other and to NLM's mission?
- What federal or NIH mandates and/or NLM Strategic Plan elements compel NLM to support specific offerings?
- How are different customer constituencies served by NLM's diverse portfolio?
- What NLM resources (i.e., business processes and functions, technology, and data) and external resources are used in combination to deliver offerings to customers?
- What are the dependencies between offerings and their underlying resources?
- How is NLM's annual budget allocated and expended in support of individual offerings?
- What projects and activities does NLM support with federal investments to produce, operate, and maintain NLM offerings?

Scope of Document

This document consists of two sections:

- **NLM Portfolio Metamodel Components.** A common taxonomy for describing the NLM portfolio components is necessary for cross-portfolio analyses and transparent decision-making processes. This section defines each item appearing in the metamodel as well as data attributes associated with each item. Attribute values and examples are also provided to facilitate metamodel adoption.
- **NLM Portfolio Key Management Questions.** Different data points associated with the portfolio metamodel can be analyzed together to answer key management questions identified by NLM leadership. Answers support more informed decision-making about how to direct NLM's limited resources to effectively and efficiently execute NLM's mission and position NLM well for the future. This section enumerates each key management question and shows the lines of sight between different metamodel components that can provide data points to help answer each question.

Methodology

The MITRE Corporation (MITRE) collaborated with NLM leadership to develop the portfolio metamodel. To address the key management questions, the NLM portfolio metamodel collects information from internal sources and incorporates the information into a decision support environment. To create NLM's baseline portfolio inventory, portfolio data is organized into an Excel-based master data file (.xlsx) and visualized using Tableau software (.twbx). As NLM continues to develop its portfolio management (PfM) capability, NLM may opt to convert its Excel master data file to a database system to make data maintenance and expansion less cumbersome. MITRE developed metamodel definitions, data attributes and values, which were vetted by NLM leadership to ensure all aspects of the metamodel meet leadership's current reporting needs as well as some future reporting aspirations.

Intended Audience

This report is intended for NLM executive leadership, division leadership, and offering, resource, business, and technical owners.

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1. Introduction

1.1 Background

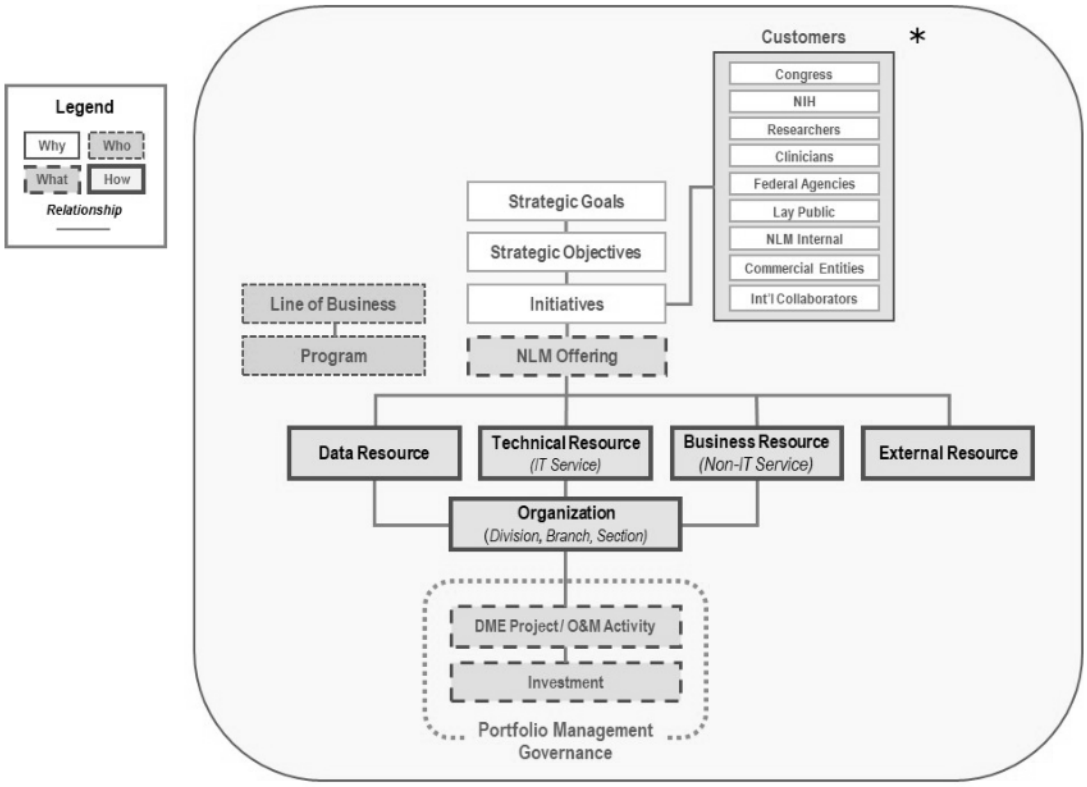
The National Library of Medicine (NLM) requested assistance from the CMS Alliance to Modernize Healthcare (CAMH), a Federally Funded Research and Development Center (FFDRC) operated by The MITRE Corporation (MITRE), to undertake an objective, unbiased, and comprehensive inventory of the entire NLM portfolio and develop portfolio analysis tools. NLM requested that MITRE propose a portfolio framework with cross-NLM applicability to facilitate standardized reporting, enable visualizations to evaluate alignment between NLM strategic priorities and offerings, and provide more robust data for planning and decision-making about NLM's future direction. This effort was the first of its kind to systematically catalog offerings (i.e., products/applications and services) delivered by individual NLM's divisions and centers in a cross-NLM portfolio framework.

By adopting portfolio management (PfM) discipline, federal agencies are equipped with more robust tools to better understand the scope, size, and impact of their business activities. PfM combines strategic, operational, financial, and performance data in a meaningful way that enables agencies to make better decisions about where to invest and to regularly evaluate the results of those investments.

1.2 Purpose

The objective of the NLM portfolio metamodel is to provide NLM a decision analysis capability that answers key management questions about how NLM fulfills its mission. The metamodel was developed using the following approach:

- Determine stakeholders for portfolio management information.
- Survey stakeholders to understand their information needs, capturing the initial set of management questions to answer.
- Parse information from discussions with leadership and interviews with NLM staff to develop a "metamodel" illustrating categories of information and their relationships.
- Evaluate data management and visualization requirements and identify a tool to support reporting based on metamodel categories.
- Determine how to compile, structure, and link information from portfolio data calls completed by key NLM stakeholders to support the relationships defined in the metamodel.
- Develop prototype NLM portfolio dashboards with different views to support answers to NLM management questions.



* The following additional customers were identified during the NPA Phase 1 data call and may be included in a future metamodel version: Educators, Students, Libraries/Librarians, and Press/Publishers.

Figure 1. NLM Portfolio Metamodel

The metamodel is designed to help NLM answer the following broad questions:

- What is the number, type, and complete list of offerings available to the public? How do NLM offerings relate to each other and to NLM's mission?
- What federal or NIH mandates and/or NLM Strategic Plan elements compel NLM to fund specific offerings?
- How are different customer constituencies served by NLM's diverse portfolio?
- What internal NLM resources (i.e., business processes and functions, technology, and data) and external resources are used in combination to deliver offerings to customers?
- What are the dependencies between offerings and their underlying resources?
- How is NLM's annual budget allocated and expended in support of individual offerings?
- What projects does NLM support with federal investments to produce, operate, and maintain NLM offerings?

2. Metamodel Definitions and Attributes

This section defines all metamodel components that comprise the types of data needed to answer key management questions. The five components are:

- **ITEM–** indicates the different components of the NLM Portfolio Metamodel.
- **ATTRIBUTES –** are the qualities or features that are regarded as a characteristic or inherent part of each ITEM. ATTRIBUTES are additional data points pertaining to ITEMS. In information management, an attribute is a piece of information that determines the properties of a field or tag in a database or a string of characters in a display.
- **VALUE –** provides possible options for the attribute based on either a predetermined list of NLM data or user-driven input.
- **EXAMPLES –** are provided to put the definitions for ITEM and ATTRIBUTE in the NLM context.

Attributes are grouped to indicate the type of information to which they relate (basic offering information or financial information). An additional distinction is made to identify attributes that are an aspirational part of the future-state NLM metamodel. These attributes were identified as important to future portfolio analyses; however, NLM leadership determined that standardized definitions for this set of attributes were not important for meaningful baseline portfolio analyses.

2.1 Attribute Group: NLM Offering Information

2.1.1 NLM Offering

Definition: The product and/or service offered to satisfy a want or need of an existing or target user constituency.

Table 1. NLM Offering Attributes

Attribute Name	Definition	Possible Values	Examples
Offering Name	The full name of the offering without information truncated by acronyms.	• List (Large Number of Possible Values) • Manual Data Entry	• Common Data Element Repository • National Health and Nutrition Examination Survey Database • PubMed
Offering Name (Short)	"Brand name," the name used to take the offering to market.	• List (Large Number of Possible Values) • Manual Data Entry	• CDE Repository • NHANES • PubMed
Offering Short Description	A succinct description of the value provided to customers.	Manual Data Entry	• CDE Repository – The NIH Common Data Element (CDE) Repository provides access to structured human and machine-readable definitions of data elements that have been recommended or required by NIH Institutes and Centers and other organizations for use in research and for other purposes. • NHANES – NHANES is a database of materials related to the second and third National Health and Nutrition Examination Surveys (NHANES II and III), carried out during the years 1976-1980 and 1988-1994, respectively. • PubMed – - PubMed is a digital collection of biomedical literature journal article abstracts.

Attribute Name	Definition	Possible Values	Examples
Offering Group	The category indicating the common purpose or characteristic that relates multiple offerings.	• Databases • Analytic Tools • Library Physical and Digital Collections • Training & Career Development • Outreach • Research • Library Science Platforms/Operations	

Attribute Name	Definition	Possible Values	Examples
Offering Type	The category indicating the form in which an offering is delivered to customers.	• Data • Digital Service • Human Service • Product	• **Product** – A system or raw materials combined and made available to users (customers). For the NLM context, a product generally refers to a physical asset or commodity provided to users. Examples: Books, exhibitions assets, training materials. • **Human Service –**Interaction between providers and users where the provider has a direct or indirect interaction with the user. Examples: Data Distribution Program, Library Operations MMS Outreach & Training. • **Digital Service –** A valuable action performed to satisfy customer need that has been delivered using IT infrastructure. Examples: Pathogen surveillance service, genome annotation service, contamination screening service. • **Data –** Information that has been translated or organized into a form that is efficient for movement, processing or consumption. Information may be housed within a database. Examples: PubMed, GenBank.
Offering Mechanism Type	The different mechanism(s) or means by which an NLM offering is provided to customers.	• API Access • Curated Data FTP • Software • Website Access • Media (Print, Video)	CDE Repository Mechanisms: 1. API Access 2. Website Access 3. Curated Data FTP

Attribute Name	Definition	Possible Values	Examples
		• Interpersonal	PubMed Offering Mechanisms: 1. API Access 2. Website Access (PubMed interactive web site) 3. Curated Data FTP NHANES Mechanisms: 1. Website Access (including controlled access) 2. Curated Data FTP 3. Software
Mandate Source Type	The primary source of NLM's mandate to provide a specific offering.	• Congress • NIH Policy • NLM Policy/ Strategic Plan • Other (e.g., historical) • Unknown	
Mandate Reference	The primary reference citation for the authorizing source legislation, policy, or regulation obligating NLM to provide resources and support for an offering or group of offerings.	Manual Data Entry	Sec. 301 of the PUBLIC HEALTH SERVICE ACT, PART D—NATIONAL LIBRARY OF MEDICINE, Subpart 1—General Provisions "PURPOSE, ESTABLISHMENT, AND FUNCTIONS OF THE NATIONAL LIBRARY OF MEDICINE"
Primary Offering Owner Name	Person accountable for delivering value to customers via a specific offering.	Manual Data Entry	Jane Smith
Critical Success Factor	Refer to specific activities, procedures, or areas that a business or organization depends on for its continued survival. (Technopedia)	Manual Data Entry	Example categories for CSF include cost, innovation, quality, speed, and size of consumer base.
Sunsetting Planned	Indicator that a plan is in place to sunset the offering in the future.	Yes	

2.1.2 Organization

Definition: The group of persons organized within NLM with responsibility to deliver a specific NLM offering. Provide NPA Organization information at the Section level or lowest level available when the Section organizational construct is not used.

Table 2. Organization Attribute

Attribute Name	Definition	Possible Values	Examples
Primary Organization Name	Name of the NLM organizational unit.	List (Large Number of Possible Values)	• Exhibitions Section • E-Health Information Support Section

2.1.3 Customers

Definition: Constituencies, including individuals, groups, or organizations, that are intended to use the project's product or service or result.

Table 3. Customer Attributes

Attribute Name	Definition	Possible Values	Examples
Customer Name	Short name for the customer constituency that uses the offering.	• Clinicians • Commercial Entities • Congress • Educators • Federal Agencies • International Collaborators • Lay Public • Libraries/Librarians • Manual Data Entry • NIH • NLM Internal • Press/Publishers • Researchers • Students	

2.1.4 NLM Initiative

Definition: A broadly defined objective that an organization must achieve to make its strategy succeed *(Association of Strategic Planning Body of Knowledge 2.0*). Initiatives are aligned to NLM Strategic Plan Goals and Objectives through the plan's hierarchical numbering framework.

Table 4. NLM Strategic Initiative Attribute

Attribute Name	Definition	Possible Values	Examples
Initiative Name	Strategic initiatives impact the organization as a whole and have enterprise-wide significance *(Association of Strategic Planning Body of Knowledge 2.0)*. If an offering is aligned to an Initiative, its alignment to the associated Strategic Objective and Goal will occur.	• List (see examples) • No alignment • Unknown	1.1b MEDLINE 2022 1.1c NLM Portfolio Assessment by MITRE 1.1d DATaset Metadata Model (DATMM) Initiative 2.1a Outreach planning 2.1d User Experience / User Development Initiative 2.1e External Communications Plans & Information Resources 2.1f Informatics Professionals Outreach, Training and Development 3.2b1 Reproducibility for Intramural Scientists Workshop 3.2b2 Second Reproducibility for Intramural Scientists Workshop 3.2c Data Science for Librarian Workforce Workshop 3.2d Assessment of extramural staff data science training needs

2.1.5 NLM Strategic Objective

Definition: A broadly defined objective that an organization must achieve to make its strategy succeed (*Association of Strategic Planning Body of Knowledge 2.0*). Objectives are aligned to NLM Strategic Plan Goals through the plan's hierarchical numbering framework.

Table 5. NLM Strategic Objective Attribute

Attribute Name	Definition	Possible Values	Examples
Strategic Objective Number	Number indicating the NLM Strategic Objective to which the offering is expected to contribute and help achieve. When an offering is aligned to a Strategic Objective, its alignment to the associated Strategic Goal will occur.	• List (see examples) • No alignment • Unknown	1.1 Connect the resources of a digital research enterprise 2.1 Know NLM users and engage with persistence 3.2 Assure data science and open science proficiency

2.1.6 NLM Strategic Goal

Definition: Encompasses the organization's vision, mission, and objectives (*Association of Strategic Planning Body of Knowledge 2.0*). High-level strategic goals have the following characteristics:

- Describe a future end-state that is supportive of the mission and vision.
- Describe actions in actionable terms.
- Relate to the expectations/requirements of all the major stakeholders and employees and reveal the underlying reasons for running the business.
- Imply a completion date at some point in the future but not defined at this point.
- Can be divided into milestones that, in turn, can be translated into achievable, assignable, and measurable objectives.

Table 6. NLM Strategic Goal Attribute

Attribute Name	Definition	Possible Values	Examples
Strategic Goal Number	Number indicating the NLM Strategic Goal to which the offering is expected to contribute and help achieve.	• Goal 1 • Goal 2 • Goal 3 • No alignment • Unknown	Goal 1 – Accelerate Discovery and advance health through data-driven research Goal 2 – Reach more people in more ways through enhanced dissemination and engagement Goal 3 – Build a workforce for data-driven research and health

2.1.7 Business Resources

Definition: Services associated with business process execution. Business resources support planning, implementation, operation, maintenance, and/or delivery of an offering. Business resources are often used in combination with technical resources and either indirectly or directly support offerings.

Table 7. Business Resource Attributes

Attribute Name	Definition	Possible Values	Examples
Business Resource Name	Short name for the business services that contribute to the delivery of an offering. The resource name given should describe the type of support provided (e.g., Content Management of RxNorm).	• List (Large Number of Possible Values) • Manual Data Entry	• Parature / Dynamics Support Portal and Ticketing System • PHPartners HSRIC curation • Prokaryotic Genome Annotation Curation • SNOMED CT US Edition Production
Business Resource Owner Name	Person responsible for managing the business resource inputs to an offering.	Manual Data Entry	Jane Smith

Attribute Name	Definition	Possible Values	Examples
Business Resource Type	Categories of business resource that distinguish the business function provided to an offering.	• Customer Service • Data • Management • Research • Other (with Manual Data Entry to add additional values)	

2.1.8 Data Resource

Definition: An organized collection of data. Data resources specify the data set that is leveraged when delivering an offering. May also be provided as an offering.

Table 8. Data Resource Attribute

Attribute Name	Definition	Possible Values	Examples
Data Resource Name	Short name for the data collection that contributes to the delivery of an offering.	• List (Large Number of Possible Values) • Manual Data Entry	• Anatquest images • PubMed Central Data Collection • VSAC data
Data Resource Owner Name	Person responsible for managing the data resource inputs to an offering.	Manual Data Entry	Jane Smith
Data Resource Owner Organization	Name of the NLM organizational unit responsible for providing the resource.	List (Large Number of Possible Values)	• Exhibitions Section • E-Health Information Support Section

2.1.9 External Resource

Definition: An input to an NLM offering that is obtained from a provider(s) outside the NLM organization.

Table 9. External Resource Attributes

Attribute Name	Definition	Possible Values	Examples
External Resource Name	Short name for the external resources that contribute to the delivery of an offering.	Manual Data Entry	eRA – public access compliance report
External Resource Provider Name	Name of external agency or organization providing the external resource.	Manual Data Entry	• NIH • EPA
External Resource Business Owner Name	Person responsible for managing the external resource inputs to an offering.	Manual Data Entry	John Smith

2.1.10 Technical Resource

Definition: Services as well as tangible assets supporting the technology needed to deliver an offering. Technical resources combine technical processes and functions of software, hardware, networks, telecommunications, and electronics as well as facilities and equipment. Includes software development, integration, and maintenance; hardware; networking integration, management and maintenance; information security (IS); IT management consultants; mobile services; web applications; and infrastructure.

Table 10. Technical Resource Attributes

Attribute Name	Definition	Possible Values	Examples
Technical Resource Name	Short name for the technical resources that contribute to the delivery of an offering.	• List (Large Number of Possible Values) • Manual Data Entry	• Annotation pipeline software • BioProject Archive • Entrez • Lexical Tools • SFX • Task Manager
Technical Resource Owner Name	Person responsible for managing the technical inputs	Manual Data Entry	Jane Smith

Attribute Name	Definition	Possible Values	Examples
	to the offering.		

3. Attribute Group: Financial Information

3.1 Expenditure

Definition: The actual spending of money; an outlay (*GAO-05-734SP Budget Glossary*).

Table 11. Annual Expenditures Attributes

Attribute Name	Definition	Possible Values[1]	Examples
Expenditure Type	The definitive breakdown of expenditures into groups that classify or summarize the type of cost.	• Division Federal Salaries (Programmatic/Operational) • Contract Salaries (Programmatic/Operational) • Service Contracts (Offering-Specific) • Other Support Costs (e.g., Administrative Overhead, Supplies, Travel, Training) • IT Services (Division-Specific) • IT Services – IT Management (Division-Specific) • IT Services – Security & Compliance (Division-Specific) • IT Services – Delivery (Division-Specific) • IT Services – Application (Division-Specific) • IT Services – Storage (Division-Specific) • IT Services – Compute (Division-Specific) • IT Services –Platform (Division-Specific) • IT Services – Network (Division-Specific) • IT Services – Data Center (Division-Specific) • NLM-wide IT Shared Services	

[1] For definitions, please refer to the **Glossary of Select Terms and Data Values**.

Attribute Name	Definition	Possible Values[1]	Examples
Cost Pool	Low-level categories that are often aligned easily to general ledger accounts. (*TBM Council*[2])	• Internal – Labor • External – Labor • External – Expenses • Internal –Other • Internal Services – IT	
Expenditure Total	Total amount of money expended to support a business activity.	Manual Data Entry (USD)	$1,234,567.89

[2] https://www.tbmcouncil.org/sites/default/files/tbmc_tbm_taxonomy_3.0.pdf

4. Proposed Future Attributes

4.1 Attribute Group: NLM Offering Information

4.1.1 Offering Information

Definition: Please refer to subsection *2.1.1*.

Table 12. Future-State NLM Offering Attributes

Attribute Name	Definition	Possible Values	Examples
Flagship Indicator	Indicator that the offering belongs to the finest, largest, or most important group of NLM offerings. *(https://www.merriam-webster.com/dictionary/flagship)*	Yes	
Key Performance Indicator (KPI)	Name of the metric most indicative of the offering's value to customers. Selected by offering business owner.	Manual Data Entry	
KPI Measurement Unit	The quantity used as the standard of measurement.	Manual Data Entry	Webpage hits
KPI Measurement Value	The measured KPI quantity at a moment in time.	Manual Data Entry	123,456
KPI Measurement Period	The predetermined time between two scheduled KPI measurements.	• Weekly • Monthly • Quarterly • Semi-annually • Annually	
KPI Measurement Date	The date on which the KPI measurement value is generated for reporting.	Manual Data Entry	YYYYMMDD

Attribute Name	Definition	Possible Values	Examples
KPI Measurement Target	The desired or benchmark KPI measurement value at any given time.	Manual Data Entry	123,456
KPI Data Source Name	Primary location (i.e., database, application, website, etc.) where current and historical KPI data are stored.	Manual Data Entry	Amazon Web Services
NLM Function	Derived from 8 functional statements describing the NLM's key functions.	• Biomedical collections/archives • Medical library development • Training • Outreach • Research • Tools development • Technical consultation	
NLM Core Operations	The range of activities that serve NLM's mission. Per the NLM Strategic Plan Implementation FAQs, NLM core operations are: • Acquire, preserve, and disseminate information • Conduct research about the information substrate of health • Workforce development • Provide training and use on how to make NLM's materials more accessible to others	• Archives & Collections • Outreach • Research • Training • Workforce Development	
Program	An organization subdivision focused on a single product or family of products (*Gartner IT Glossary*).		
Line of Business (LOB)	Related projects, subsidiary		

Attribute Name	Definition	Possible Values	Examples
	programs, and program activities that are managed in a coordinated manner to obtain benefits not available from managing them individually. (*PMBOK*®; used by NCBI). A collection of organizational resources that is geared to accomplish a certain major goal or set of goals (*www.managementhelp.org*).		

4.1.2 Technical Resource

Definition: Please refer to subsection *2.1.9*.

Table 13. Technical Resource Attributes

Attribute Name	Definition	Possible Values	Examples
FISMA System	Indicator of the NLM system designated as a part of the Federal Information Security Management Act of 2002 (FISMA) to which the technical resource is a part.	• List • Undocumented	• Access GUDID • BLAST • Clinical Trials • DailyMed • dbGaP • Digital Repository • DOCLINE • GenBank • Genetic Testing Registry (GTR) • Genetics Home Reference (GHR) • Images from the History of Medicine • Index Management System (IMS) • LPF • MEDLARS Application • MedlinePlus • MeSH • NLM Biomedical Terminology System (NBTS) • NLM Data Center • PubChem • PubMed/PubMed Central • RxNorm Editing System • Serials Extract File • TOXNET • Unified Medical Language System (UMLS) • Value Set Authority Center (VSAC) • Voyager

4.2 Attribute Group: Investment and Expenditure Information

4.2.1 DME Project

Definition: A project is a temporary endeavor undertaken to create a unique product or service. A project has a beginning and an end. (*Project Management Institute®*). A DME (Development, Modernization and Enhancement) project is the portion of an IT investment/project that deals with developing and implementing new or enhanced technology in support of an agency's mission (*48 CFR 1034.001 – Definitions*).

Table 14. Future-State DME Project Attributes

Attribute Name	Definition	Possible Values	Examples
DME Project – Resource Name	Name of the resource supported by the DME project.	Manual Data Entry	
DME Project Name	Short name for a DME project undertaken to develop a business or technical resource.	Manual Data Entry	• PubMed 2.0 • SEF Redesign
DME Project Investment Amount	Total amount invested to complete a DME project.	Manual Data Entry (USD)	$1,234,567.89
DME Project Expenditures Amount	Total expenditures incurred for a DME project to a specified point in time.	Manual Data Entry (USD)	$1,234,567.89

Attribute Name	Definition	Possible Values	Examples
DME Project Associated Investment Name	Name of HHS-reported NLM investment lines from which funding is directed to a project.	• NLM Biomedical Terminology System (NBTS) • NLM BLAST • NLM Entrez Molecular Biology Website • NLM Genome Assembly and Annotation (GenBank) • NLM Molecular Biology IT Support • NLM TOXICOLOGY DATA NETWORK • NLM Clinical Trials • NLM Health Information Resources • NLM PubChem • NLM Human Variation Resources • NLM Medical Library Heath Info Systems and Services • NLM Literature Resources • NLM Clinical Informatics and Data Standards and Analytics Research • NLM Medical Imaging and Visualization Research	

4.2.2 Operations and Maintenance (O&M) Activity

Definition: Appropriations that traditionally finance those things whose benefits are derived for a limited period (e.g., expenses rather than investments) (*Defense Acquisition University*).

Table 15. Future-State O&M Activity Attributes

Attribute Name	Definition	Possible Values	Examples
O&M Activity – Resource Name	Name of resource supported by the O&M activity.	Manual Data Entry	

Attribute Name	Definition	Possible Values	Examples
O&M Activity Name	Short name for the O&M activity supporting the operation and maintenance of a business or technical resource.	Manual Data Entry	• OCCS Application Branch Operations and Maintenance • Format R/W Maintenance Total FY • GBench Editing Total FY • SMART/SMUPD Maintenance 2018 • Sub Portal Maintenance Total FY • SuperBankIt-Maintenance-2018 • Foosh-Genbank Automation
O&M Activity Investment Amount	Total amount invested to perform an O&M activity.	Manual Data Entry (USD)	$1,234,567.89
O&M Activity Expenditure Amount	Total expenditures incurred for the O&M activity to a specified point in time.	Manual Data Entry (USD)	$1,234,567.89
O&M Activity Associated Investment Name	Name of reported NLM Investment lines from which funding is directed to an activity.	• NLM Biomedical Terminology System (NBTS) • NLM BLAST • NLM Entrez Molecular Biology Website • NLM Genome Assembly and Annotation (GenBank) • NLM Molecular Biology IT Support • NLM TOXICOLOGY DATA NETWORK • NLM Clinical Trials • NLM Health Information Resources • NLM PubChem • NLM Human Variation Resources • NLM Medical Library Heath Info Systems and Services • NLM Literature Resources • NLM Clinical Informatics and Data Standards and Analytics Research • NLM Medical Imaging and Visualization Research	

4.2.3 IT Infrastructure

Definition: Investments in IT Infrastructure reported to HHS. Includes NIH End User Devices, Tools, and Support; NIH Computational Infrastructure and Services; NIH IT Security and Compliance; and NIH Network & Telecommunications Infrastructure.

Table 16. Future-State IT Infrastructure Investment Attributes

Attribute Name	Definition	Possible Values	Examples
IT Infrastructure Investment Project Name	Short name for the IT infrastructure project investment reported to HHS.	Manual Data Entry	
IT Infrastructure Investment Amount	Total amount invested in IT infrastructure.	Manual Data Entry (USD)	$1,234,567.89

Appendix A. Key Management Questions Answered Through the NLM Portfolio Metamodel

A.1 Portfolio View: Alignment

The ***Alignment*** portfolio analysis view seeks to evaluate the linkage between an organization's business unit activities and its business goals and objectives and, in the case of federal agencies, also their mandated mission. With these guidelines, NLM's baseline alignment analyses enable drilling down to understand how singular NLM offerings (or groups of NLM offerings) support the realization of NLM strategic plan elements and fulfillment of NLM's responsibilities mandated by law, regulation, or other authoritative source. In the future, NLM should specify the desired outcomes (e.g., performance targets) for each offering and incorporate views into alignment analyses that examine the extent to which NLM is achieving its desired outcomes.

A.1.1 What offerings does NLM provide to user constituencies?

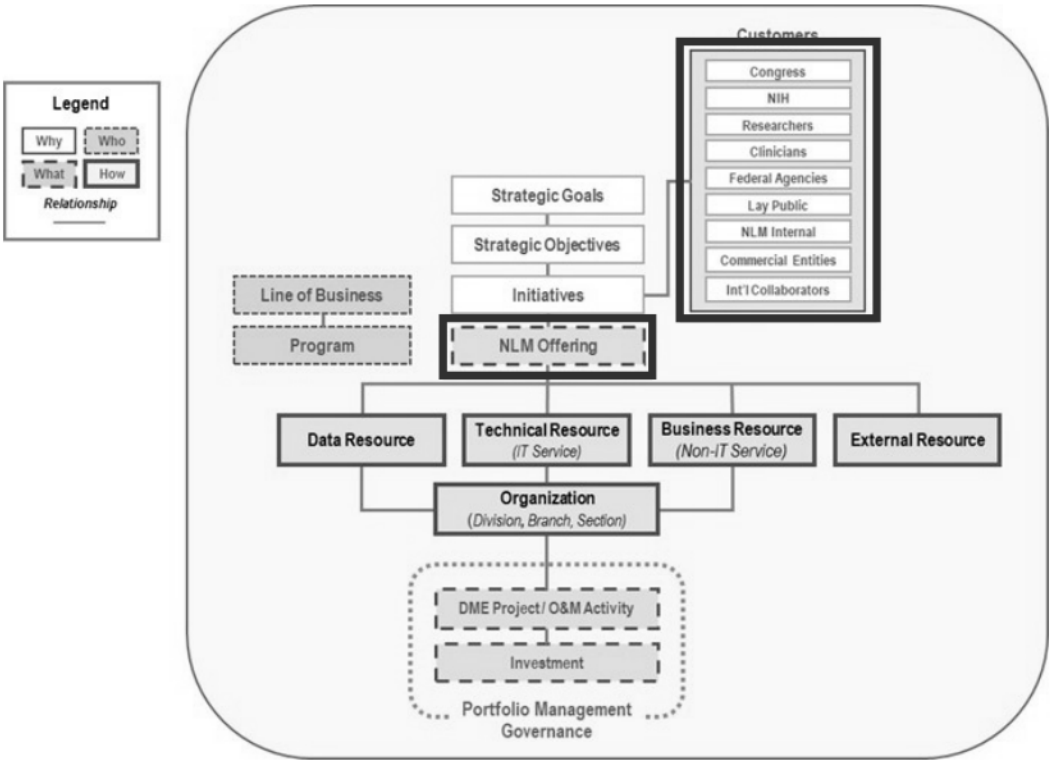


Figure 2. Alignment Question 1.1 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Offering Short Description • Offering Type
Customers	• Customer Name

Outputs:

1.1.1 Count of NLM offerings

1.1.2 Comprehensive, descriptive list of NLM offerings

1.1.3 Count of NLM offerings serving different customer types

A.1.2 How do NLM offerings relate to each other?

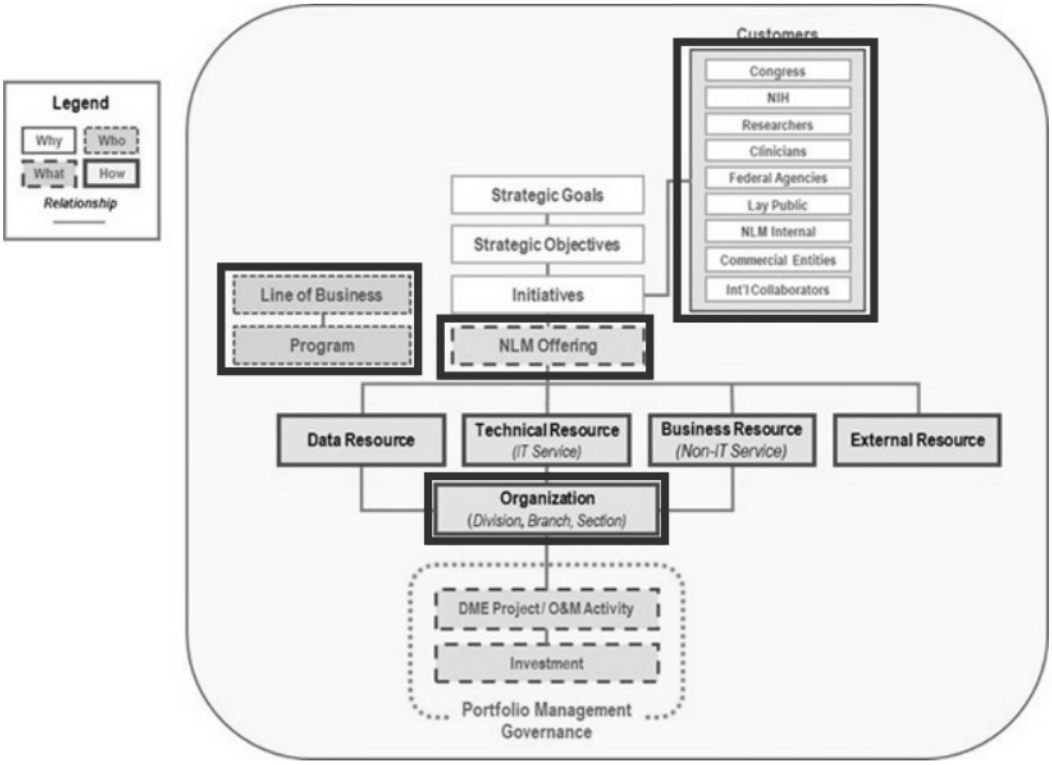


Figure 3. Alignment Question 1.2 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Offering Type • Offering Group
Customers	• Customer Name
Line of Business	• LOB Name
Program	• Program Name
NLM Organization	• Organization Name

Outputs:

1.2.1 Count of NLM offerings by NLM organization (i.e., Division, Branch, Section)

1.2.2 Count of NLM offerings differentiated by offering type

1.2.3 Count of offerings by offering group

1.2.4 *(Future PfM Report)* Count of NLM offerings by NLM lines of business

1.2.5 *(Future PfM Report)* Count of NLM offerings by NLM program

A.1.3 How are NLM's current offerings directed by law, regulation, policy, or other mandate?

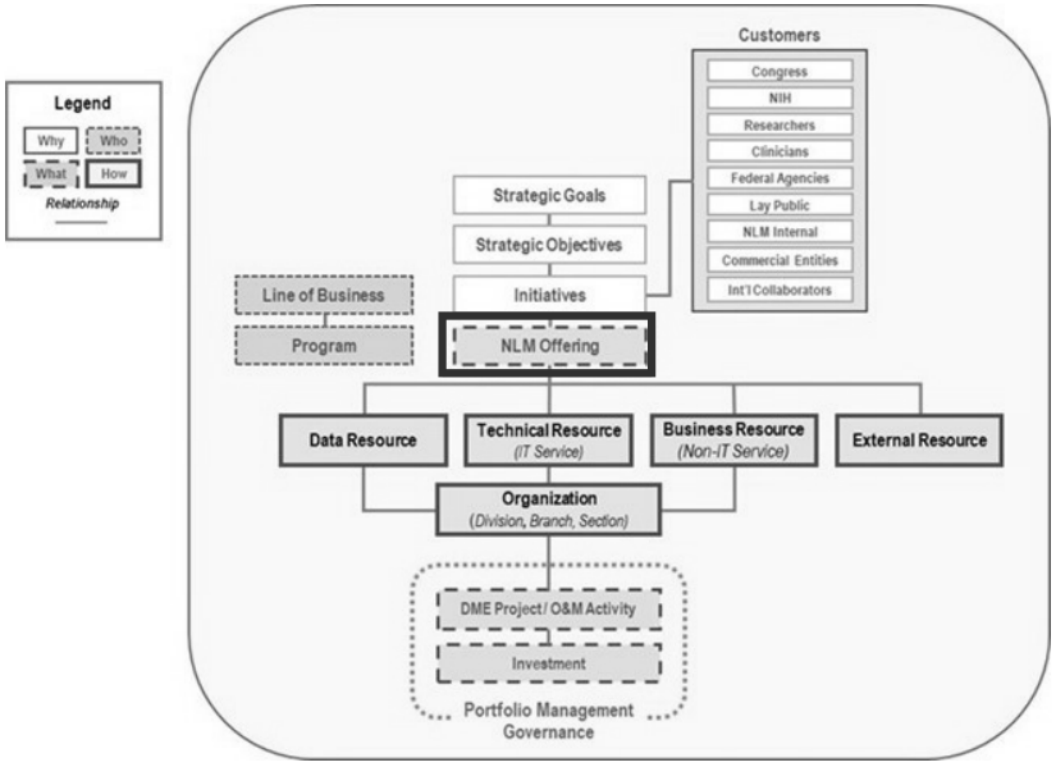


Figure 4. Alignment Questions 1.3 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Mandate Source Type • Mandate Reference

Outputs:

1.3.1 Count of NLM offerings by mandate source type

1.3.2 List of NLM offerings with mandate reference citation

A.1.4 How do NLM offerings align to NLM strategic goals, objectives, and initiatives?

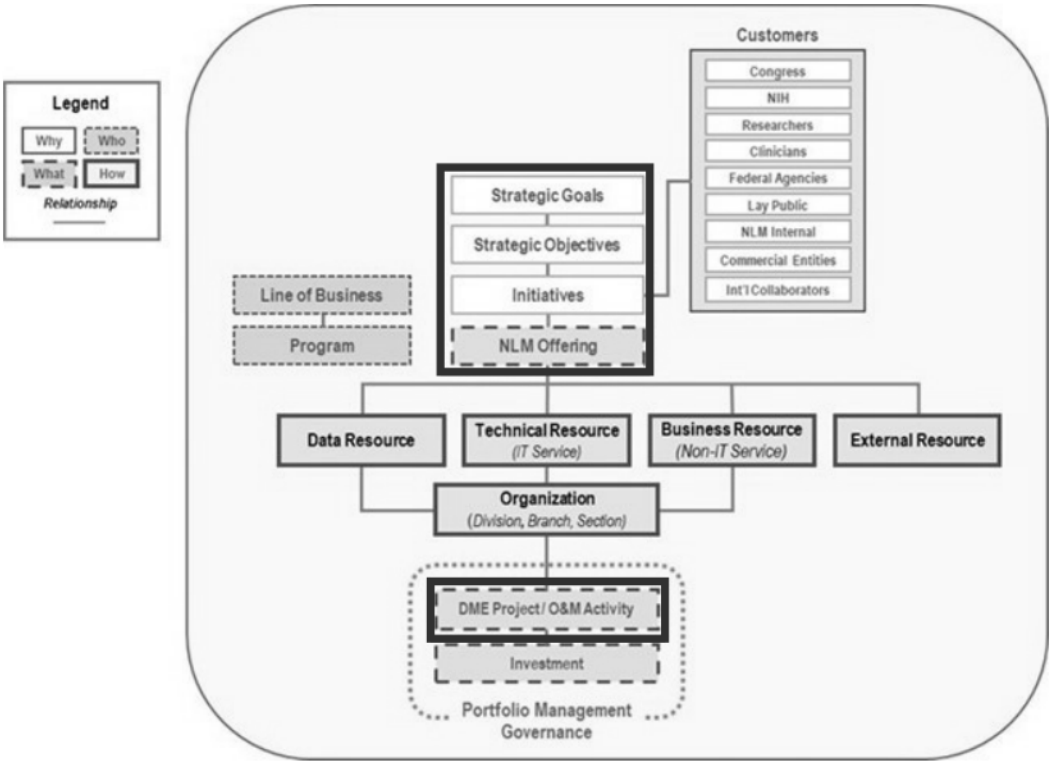


Figure 5. Alignment Question 1.4 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short)
Strategic Goal	• Strategic Goal Name
Strategic Objective	• Strategic Objective Name
Initiative	• Initiative Name
DME Project	• DME Project Name

Outputs:

1.4.1 Count of offerings aligned to each strategic goal

1.4.2 Count of offerings aligned to each strategic objective (per goal)

1.4.3 Count of offerings aligned to each 2018 strategic initiative (per objective)

1.4.4 (*Future PfM Report*) List of DME projects aligned to NLM initiatives

1.4.5 (*Future PfM Report*) Grouping(s) of DME projects identified by NLM to address specific initiatives associated with NLM strategic plan implementation and aligned to NLM offerings

A.2 Portfolio View: Fiscal Balance

The ***Fiscal Balance*** view typically presents actual operational expenditures versus expected benefits. Mature organizations will also evaluate expenditures against risk and benefits. For NLM's baseline PfM capability, NLM's diverse, public-facing offerings are the primary benefit in focus. The current-state view visualizes the allocation of fiscal year expenditure totals among offerings and by expenditure category, such as federal and contractor labor, service contracts, and IT services.

Investment information, when available within the portfolio database in the future, will further enhance NLM's ability to understand the results of specific federal investments. It may also highlight opportunities to eliminate or consolidate similar investments and be more operationally efficient.

A.2.1 What is the cost of making and maintaining NLM offerings?

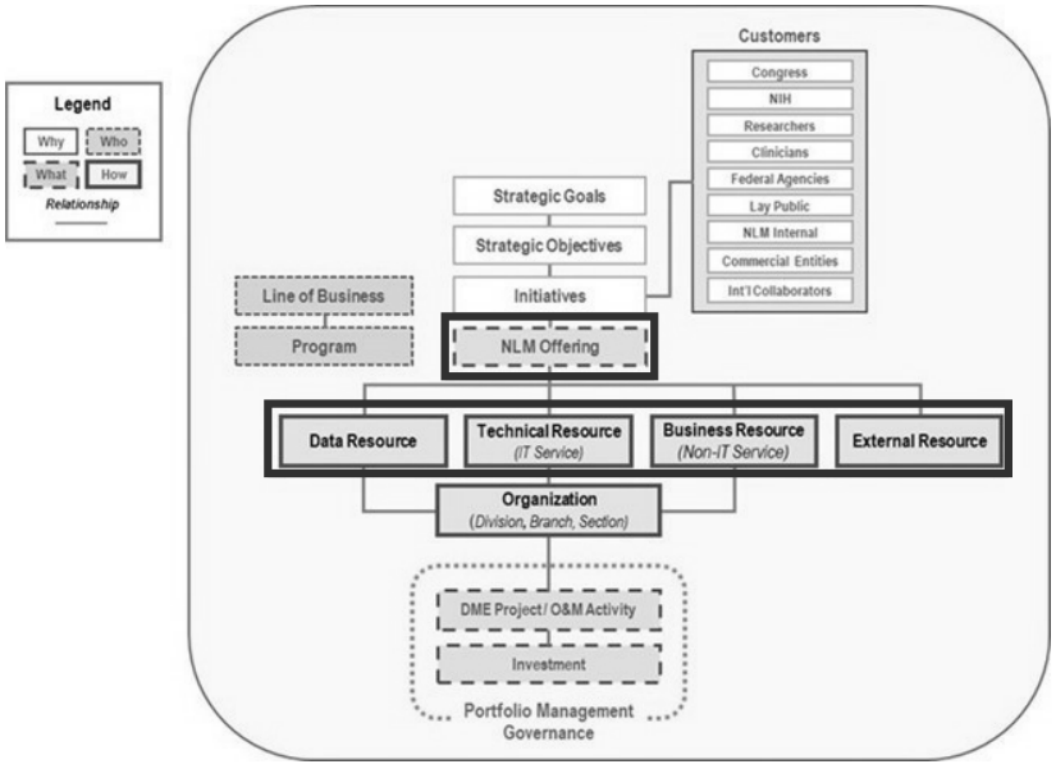


Figure 6. Fiscal Balance Question 2.1 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short)
Business Resource	• Business Resource Name
Data Resource	• Data Resource Name • Data Resource Expenditure Amount ($US; FY Total to Date)

Item	Attribute
External Resource	• External Resource Name • External Resource Expenditure Amount ($US; FY Total to Date)
Technical Resource	• Technical Resource Name • Technical Resource Expenditure Amount ($US; FY Total to Date)

Outputs:

Offering Expenditure Information

2.1.1 Total expenditures for offerings

2.1.2 A list of the "top-n" offerings with the highest expenditures

2.1.3 The breakdown of offering total expenditures among Division activities, IT services, and NLM shared services

2.1.4 The breakdown of Division expenditures for an offering by expenditure type

2.1.5 A list of the "top-n" offerings by total expenditures for IT shared services

2.1.6 A list of the "top-n" offerings by total expenditures for NLM shared services

Resource Expenditure Information

2.1.7 (*Future PfM Report*) Total expenditures by resource type (i.e., business, data, technical, and external[3])

2.1.8 (*Future PfM Report*) The breakdown of offering expenditures attributable to resource type (i.e., business, data, technical, and external)

2.1.9 (*Future PfM Report*) A list of the "top-n" resource expenditures by resource type (i.e., business, data, technical, and external)

2.1.10 (*Future PfM Report*) A list of the "top-n" offerings with the highest expenditures for each resource type (i.e., business, data, technical, and external)

2.1.11 (*Future PfM Report*) The breakdown of total expenditures by offering attributable to resource business, data, technical, and external resources against risk and resource type

[3] Determining the costs of shared resources requires a transparent, repeatable, and reasonable cost allocation approach. In addition, capturing the cost of specific external resources requires that charge-back mechanisms be in place to quantify the support NLM received from those resources.

A.2.2 How much does NLM spend on offerings with a similar purpose?

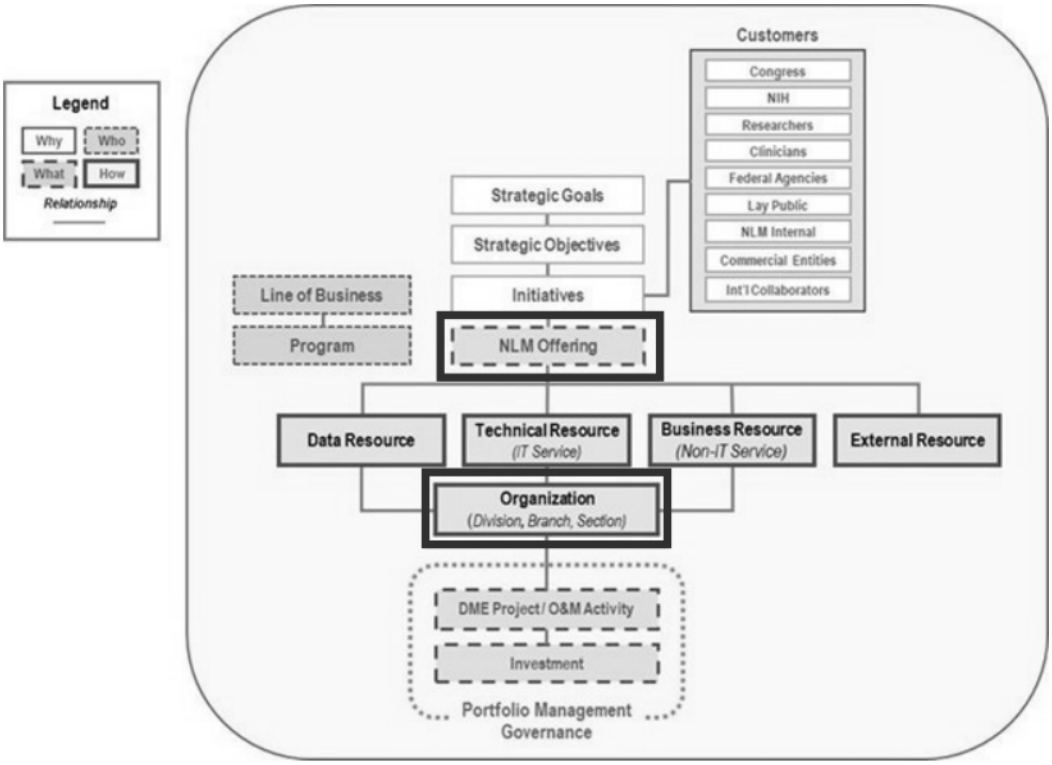


Figure 7. Fiscal Balance Question 2.2 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short) • Offering Group
Expenditures	• Expenditure Category • Expenditure Type • Expenditure Total ($US; FY Total to Date)

Outputs:

2.2.1 Total expenditures by offering group

2.2.2 Breakdown of offering group expenditures by expenditure type

A.2.3 What is the composition of NLM Investments?

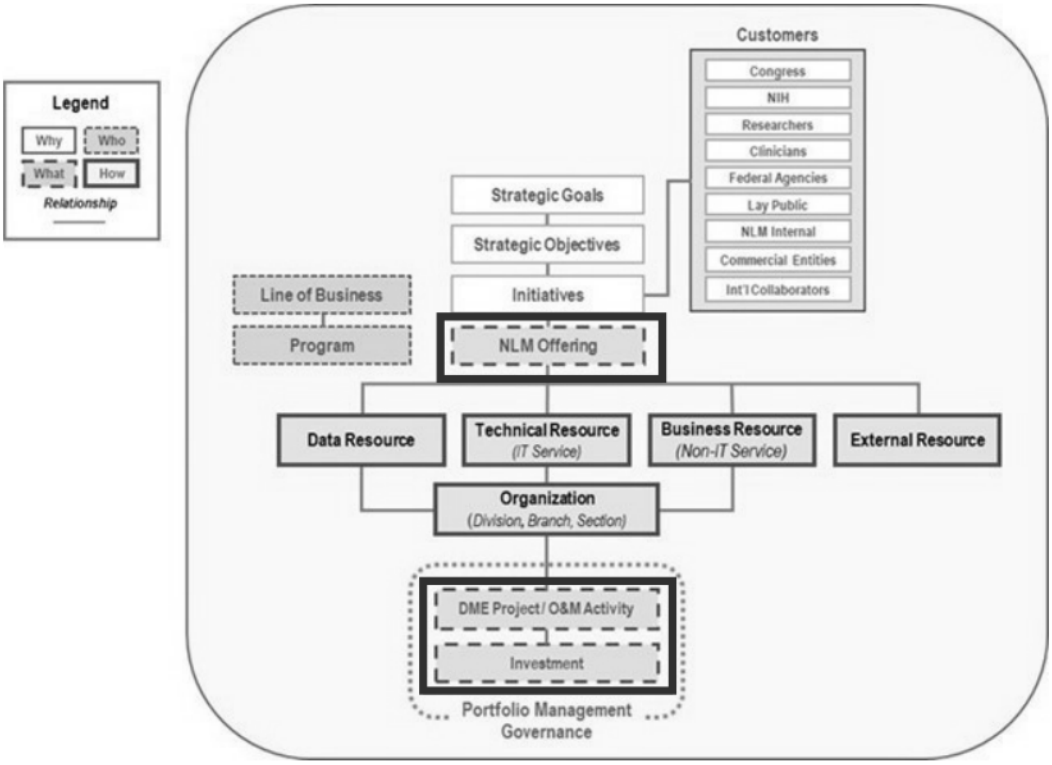


Figure 8. Fiscal Balance Question 2.3 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
NLM Offering	• Offering Name (Short)
Investment	• Investment Name • Investment Amount ($US; FY Total to Date
Investment Line	• Investment Line Name • Investment Line Investment ($US; FY Total to Date)
DME Projects	• DME Project Name • DME Project Expenditure Amount ($US; FY Total to Date)
O&M Activity	• O&M Activity Name • O&M Activity Expenditure Amount ($US; FY Total to Date)
IT Infrastructure	• IT Infrastructure Project Name • IT Infrastructure Investment Amount ($US; FY Total to Date)

Outputs:

2.3.1 (*Future PfM Report*) Total of investments

2.3.2 (*Future PfM Report*) The breakdown of total investments by investment category (i.e., DME, O&M, and IT infrastructure)

2.3.3 (*Future PfM Report*) A list of the "top-n" investments by investment category (i.e., DME, O&M, and IT infrastructure)

2.3.4 (*Future PfM Report*) The breakdown of investments by offering according to investment category (i.e., DME, O&M, and IT infrastructure)

2.3.5 (*Future PfM Report*) Total of investments by NLM organization

2.3.6 (*Future PfM Report*) Breakdown of investments for DME projects and O&M activities by NLM organization

2.3.7 (*Future PfM Report*) A list of the "top-n" offerings with the highest total investment amount

2.3.8 (*Future PfM Report*) A list of the "top-n" offerings with the highest total investment amount by investment category (i.e., DME, O&M, and IT infrastructure)

A.2.4 How much funding has NLM invested to implement strategic initiatives?

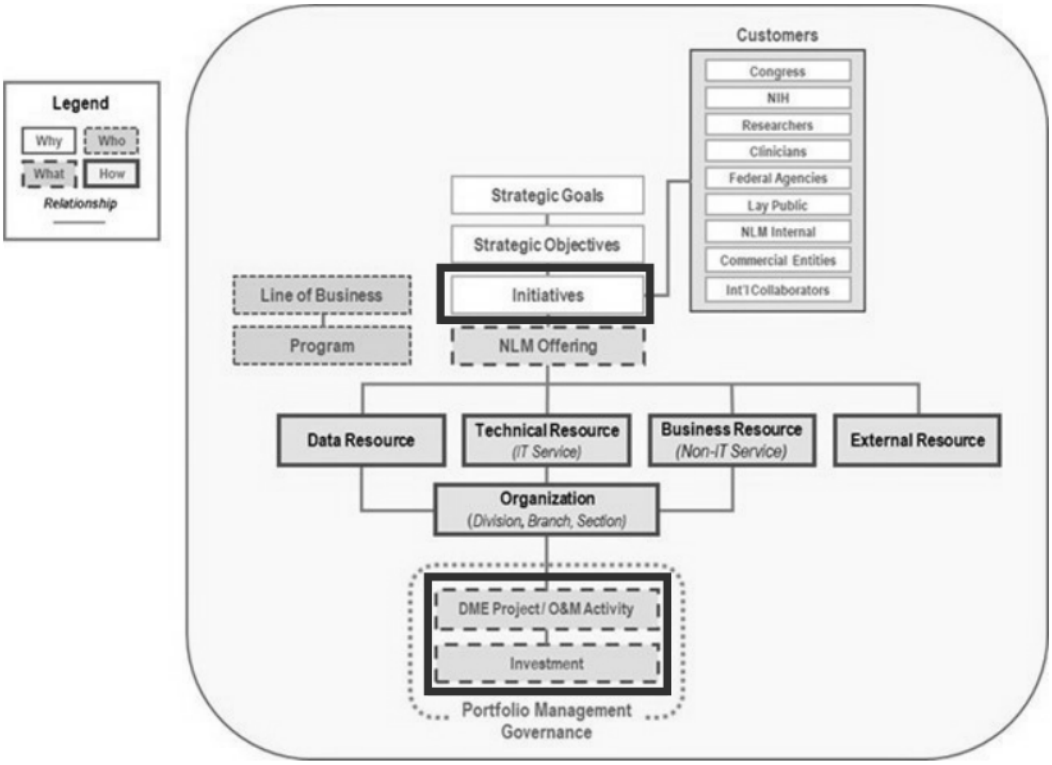


Figure 9. Fiscal Balance Question 2.4 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
Offering	• Offering Name (Short)
Initiative	• Initiative Name
Investment	• Investment Name • Investment Expenditure Amount ($US; FY Total)
DME Projects	• DME Project Name • DME Project Expenditure Amount ($US; FY Total)
O&M Activity	• O&M Activity Name • O&M Activity Expenditure Amount ($US; FY Total)

Outputs:

2.4.1 *(Future PfM Report)* The total investments in dollars allocated to address specific NLM initiatives

2.4.2 *(Future PfM Report)* A list of all investments, designated either DME project or O&M activity, allocated to offerings aligned with specific NLM initiatives

2.4.3 *(Future PfM Report)* A list of the "top-n" initiatives with the highest total dollar investment amount

2.4.4 *(Future PfM Report)* The total investments in dollars allocated to organizations responsible for resources implicated in achieving NLM initiatives

2.4.5 *(Future PfM Report)* The total expenditures in dollars allocated to address specific NLM initiatives

2.4.6 *(Future PfM Report)* A list of all expenditures, designated either DME project or O&M activity, allocated to offerings aligned with specific NLM initiatives

2.4.7 *(Future PfM Report)* A list of the "top-n" expenditures with the highest total dollar amount

2.4.8 *(Future PfM Report)* The total expenditures in dollars allocated to organizations responsible for resources implicated in achieving NLM initiatives

A.3 Portfolio View: Constraints and Dependencies

The ***Constraints and Dependencies*** portfolio view examines general constraints and dependencies that affect portfolio and portfolio component performance. NLM's current-state metamodel provides a preliminary view of dependencies among offerings as well as between offerings and NLM resources owned by NLM Divisions. Potential constraints that may be added to NLM portfolio view include funding, technology, NLM mandate, and complexity. More research is needed to identify the important management questions related to operational constraints and dependencies that the portfolio metamodel may be configured to answer.

A.3.1 How are NLM resources allocated to deliver NLM offerings?

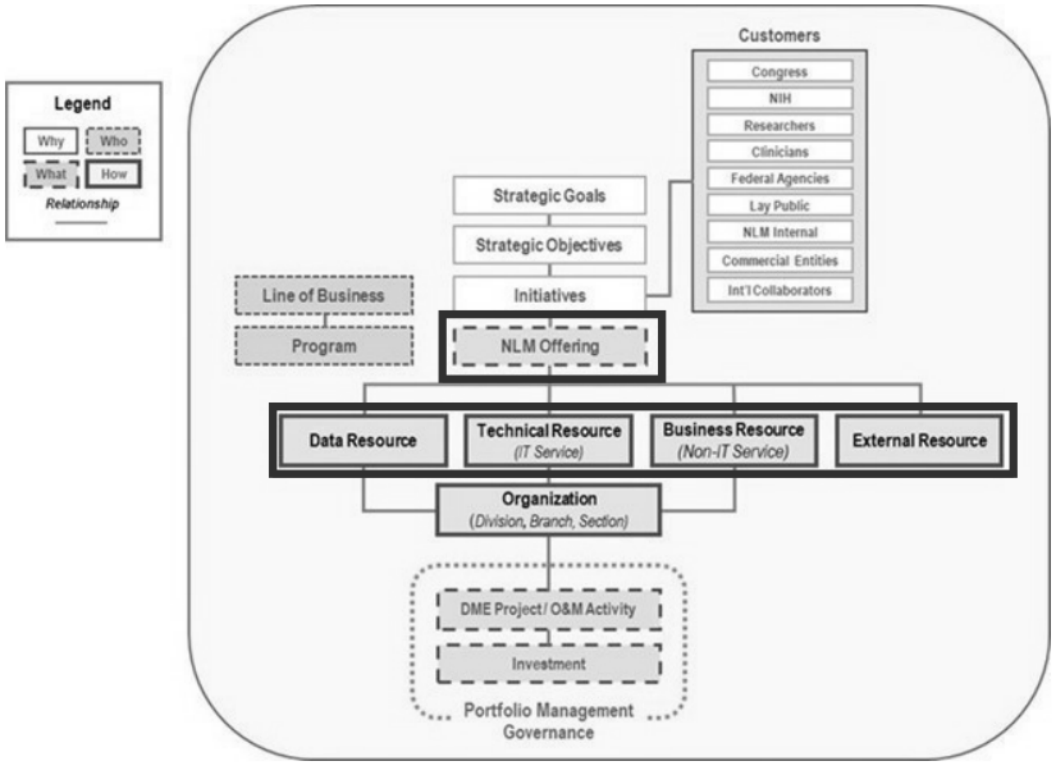


Figure 10. Constraints and Dependencies Question 3.1 – Line of Sight

Metamodel Items and Attributes:

Item	Attribute
Offering	• Offering Name (Short)
Business Resource	• Business Resource Name
Data Resource	• Data Resource Name
Technical Resource	• Technical Resource Name • DME Project Expenditure Amount ($US; FY Total)
External Resource	• External Resource Name

Outputs:

3.1.1 A list of resources (i.e., business, data, technical, and external) utilized by each NLM offering

3.1.2 A list of "top-n" resources (i.e., business, data, technical, and external) utilized by NLM offerings

3.1.3 (*Future PfM Report*) The total approximate expenditures in dollars attributable to the "top-n" shared resources (i.e., business, data, technical, and external)

3.1.4 (*Future PfM Report*) The total approximate expenditures in dollars attributable to the "top-n" shared resources (i.e., business, data, technical, and external) as a percentage of total resource costs

A.4 Portfolio View: Value

The ***Value*** portfolio view combines different indicators related to the organization's cost and funding profile, effectiveness, delivery timeline, and risks to produce a composite data point that indicates value delivered. NLM's portfolio is very diverse; for this reason, a singular value indicator cannot be applied to all portfolio components. Further work is needed to identify key value indicators. In some instances, volume and/or demand may be good indicators of customers' appreciation of NLM offerings. These types of indicators serve as a rough indicator of usefulness (e.g., low demand equates to low usefulness); however, for some offerings with a small customer constituency or specific delivery mandate, neither volume nor demand may suffice to answer the value question. Other value indicators would be required. Future work to build NLM PfM capabilities should include developing a strategy to identify value indicators for each offering or for similar offerings.

Possible strategies for determining value measures include:

1. Conduct customer surveys and analyze feedback to understand customers' perspectives
2. Select key performance indicators based on success criteria determined for an offering or a group of offerings
3. Determine a means to evaluate whether an individual offering (or a group of offerings) fulfills a mandate from Congress, NIH, NLM, or other authoritative source
4. Determine the offering's relevance and uniqueness in the market

The following are examples of value-related management questions:

- 3.1 What is the demand (usage) for NLM offerings? How has demand changed over a defined time period ("n")?
- 3.2 What is the volume of customers (total and by customer type) for each NLM offering? How has customer volume and composition changed over a defined time period ("n")?
- 3.3 How are NLM's flagship offerings performing against key performance indicators measured over a defined time period ("n")?
- 3.4 What identifiable value do offerings provide users/customers?
- 3.5 What value do customers receive from NLM offerings, as conveyed through their feedback?
- 3.6 How does offering value compare with offering total expenditures?
- 3.7 How do offerings act as a support or foundation to external outcomes (e.g., development of apps and other industry technologies, lives saved, and student/research development)?

A.5 Portfolio View: Health

The ***Health*** portfolio view provides information to help an organization understand how well it is executing against its plans for investing, expending, and accomplishing key activities. The Health view analyzes the state of individual investments against the portfolio: how many investments are on track, over budget, under budget, on or behind schedule, etc. As NLM's PfM maturity progresses, NLM may consider expanding the portfolio metamodel to capture information to respond to the following management questions, which are offered as examples only:

5.1 What is the fiscal year budget variance (planned vs. actual)?

5.2 What is the fiscal year budget variance (planned vs. actual) by Division?

5.3 What is the fiscal year variance (planned vs. actual) for NLM projects?

5.4 What is the time estimated to finish the NLM budget?

5.5 What is the workplan variance for NLM initiatives?

5.6 What is the workplan variance for 2018 DME projects?

5.7 What is the workplan variance for 2018 O&M activities?

5.8 What is the fiscal year budget variance (planned vs. actual)?

5.9 What is the budget variance between successive fiscal years?

A.6 Portfolio View: Risk

The ***Risk*** portfolio view associates a risk indicator or score to portfolio components to enable an organization to ensure the amount of risk is commensurate with the potential benefits across the short, medium, and long term. Risk can be examined from multiple perspectives, including investment function/execution, organizational reputation, operational, and competitive position. The level of risk acceptable to an organization depends on its priorities. Therefore, understanding those priorities and potential tradeoffs are paramount. A portfolio risk view is indicative of more a mature PfM approach. Some risk-related management questions are:

6.1 What level of risk does NLM assume by providing the offering?

6.2 How does an offering compare to similar offerings in the marketplace?

Glossary of Select Terms and Data Values

Expenditure Types

Division Programmatic and Operational Activities

Division Federal Salaries	For example, staff executing programmatic/operational roles in support of specific offerings or multiple offerings; includes IT developer time when supporting specific offerings.
Contract Salaries	For example, external contractors hired to support specific offerings or multiple offerings; works alongside federal staff.
Service Contracts	For example, contracts established to purchase a specific service in support of NLM Offering delivery.
Other Support Costs	For example, cost that is potentially allocable across all offerings and not generally offering-specific, such as administrative / management overhead, supplies, travel, and training.
Division-Specific IT Services	IT services provided by an NLM provider (e.g., OCCS) that are specific to a Division (i.e., software, applications, etc.).
NLM-Wide IT Shared Service Costs	IT services that are provided across all of NLM (e.g., data center and network).

Technology Business Management IT Tower Definitions[4]

IT Management	The IT Management tower includes the costs to manage, administer, and plan IT for the enterprise. It includes executive management, strategic management, enterprise architecture, IT finance, and vendor management.
Security and Compliance	The Security & Compliance tower includes service costs related to IT security compliance and disaster recovery. The scope includes costs to define, establish, enforce, and measure security, compliance, and disaster recovery readiness for the enterprise.
Delivery	The delivery tower includes the costs to monitor, support, manage, and run IT operations for the enterprise and includes the IT Service Management (ITSM) functions.
Application	The Application tower includes costs related to applications in the

[4] https://www.tbmcouncil.org/sites/default/files/tbmc_tbm_taxonomy_3.0.pdf

	enterprise. The scope includes the cost of business software and the costs to develop, manage and run applications for the enterprise.
Storage	Storage provides centralized data storage and securely holds information and data to be retrieved later. Storage may hold data for application programs and code, databases, files, media, email and many other forms of information. The storage tower includes distributed and mainframe storage that provides on-line storage for real-time access and archival storage solutions that may enable near-term retrieval or long-term archival. The storage tower excludes the internal storage included with a typical server configuration or end-user device such as a laptop, desktop or mobile phone, or tablet.
Compute	Compute refers to both general and special-purpose devices and software that are programmed to carry out a set of arithmetic or logical operations. In essence, it provides the "brains" to process application and user requests. Compute includes a wide range of physical and virtual servers differentiated by platform and operating system. The Compute tower should include all direct hardware, software, labor, and outside service costs.
Platform	Platform includes all costs associated with distributed and mainframe databases and middleware systems. Costs include DBMS software and tools, labor, and outside services.
Network	Network includes the data and voice equipment along with the transport methods to connect systems and people and to enable people to converse. Networks provide core connectivity within the enterprise data centers as well as connectivity to and access within office building and remote locations.
Data Center	Data centers are purpose-built facilities to securely house computer equipment. Data centers provide racks/cabinets and cabling; clean and redundant power; data connectivity; environmental controls, including temperature, humidity, and fire suppression; physical security; and the people to run and operate the facility and its infrastructure.

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From: Goodwin, Rebecca (NIH/NLM) [E]
Sent: 12 Jul 2019 17:26:04 +0000
To: Paltoo, Dina (NIH/NLM) [E]
Cc: Goodwin, Rebecca (NIH/NLM) [E]
Subject: RG Mtg Notes in AGENDA Mtg w JS-DP-RG 2019-07-12.docx
Attachments: AGENDA Mtg w JS-DP-RG 2019-07-12.docx

Weekly Legislation and Policy Update Discussion Items
Rebecca Goodwin, Dina Paltoo, Jerry Sheehan
July 3, 2019 -- Call in: 1-650-479-3208 Attendee access code: Passcode

- Coordinating Committee for Research on Women's Health (CCRWH)
    - Recap of 7/10 meeting
        - DUE 7/17 -- Bold ideas for research agenda; ask Mike to send request to NLM Leadership and ask ppl to send suggestions to David & Rebecca -- Valerie, Milt, Olivier, David…
            - Pelvic health, maternal morbidity & mortality, health across the lifespan, big data and addressing bias in big data…
            - Survey to reps will come 7/22 and due 8/5
            - CCRWH mtg discussion 8/14
            - Sending to Dr. Collins Sept
    - Request for NLM to present at future mtg
        - NIH-wide collxns of CDEs, standardization of lang and data…using tools and resources and platforms…
            - Lisa Lang project
            - Opportun for NLM to help ppl in other ICs to develop
        - Inclusion in research, NNLM partnership w All of Us
        - SABV data tracking/filtering in PubMed and CT.gov
        - Compile some background/briefing for Patti related to NLM efforts re RWH…

- Co-funding opportunity ORWH & OBSSR
    - CCRWH/ORWH (EP -- Noemie Elhadad endometriosis research? Bias in big data? NCBI - hackathon? OSI/OD- Workshop or guest speaker?? LHC - ?)
    - Need to be strategic abt what NLM wants to do in this area
    - Include a synopsis in the draft email for Mike to send to Leadership** might be helpful guidance for staff in thinking abt strategy and proposals/ideas

- NIDB Z report - LM200888 - National Biomedical Information Services
    - FY 2019 draft (track changes updates in progress); due 7/31 (BUT SUBMIT BY 7/26 before Jerry goes on leave starting 7/28, and draft before 7/15 to Jerry)
    - FY2018 report
        - Toxnet and disaster info research…might want to focus on notion of improving efficiencies by moving into NCBI and pubchem for toxnet; not say much abt disaster info rscs

NOTE -- ***Jerry on leave starting 7/28****

- Ellen Klutzman - Interest in NLM Policy detail
    - Patti thought a few items in her background good
    - Jerry thinks good
    - She said she has funding
    - Jerry also used as opportunity to tel Patti Dina needs more support and could pilot/demo the advantages to having more staff support

- ACTION: Jerry will mention to Patti and Dina will plan to schedule mtg w Ellen & Jerry & Rebecca to hear more abt her interests and then plan what is a good project match (incl leg tracking)

- NLM Copyright web page revisions
  - NLM Copyright Information page_revised-2019-06-27.docx

- June 26 MLA Hill Day De-brief with Mary Langman
  - Well aligned w Jody Nurik and OCPL communic strategy and audit
  - Rebecca & Dina will send Jody more info/details
  - Key takeaway that they want to keep materials fresh, not repeat, simplify (key/succinct) and streamline, more visual, creative ways to provide access to addtl info and other details on website via QR codes?)
    - Bipartisan support for NLM budget
    - Public access wasn't a big interest
    - Materials too text heavy
    - Want more abt data sci
    - Interest of legisl in net neutrality
    - Training initiatives from extramural
    - New capability brochures (CBs) aka "big bookmarks" for data sci, NLM Strategic Plan, research grants, NNLM/All of Us
  - Are members of congress receiving copies of medline plus? – jerry thinks yes but also in process of transition to online version as the publishing platform

- NLM Annual Report – is it required by legisl mandate or NIH policy? Can we leverage CJ work if we continue to do it at all?
  - Emailed Rachel Pollock

- Recap of meeting with Jeff Smith (AMIA)
  - NPrm responses
  - FHIR and Potential guide notice (Jeff mentioned engagement w CTSAs and Elaine Collier)
    - Identify meaningful things NIH can do to support use of FHIR in research was a rec during BMIC mtg by Elaine Collier…we should engage BMIC members in follow up. Jeff also said once guide notice issued, AMIA willing to help develop use cases and more info/materials. Dina agrees helpful to talk with them before RFI language finalized.
    - Dina sent Patti language as background for question from ICD review of guide notice draft re human subjects data
  - Dec Public Policy forum clinical decision support theme; registration is $350 and Dina wants to attend; call for proposals open now and due end July(?)
  - Have another mtg w Jeff in the fall

- AAU/APLU proposal
  - Jerry needs to send to Patti; Dina can tell Beth clarifying and interested in supporting and might be able to provide some funding

- AI Hearing (***added after sent agenda to Jerry…did not discuss 7/12 so maybe next week)

- NLM Congressional Justification
    - Draft outline in progress; due 6/26
    - WORK W CHIANTI TO SCHEDULE A TIME TO MEET W JERRY AND PATTI…ideally mid next week

- GDPR approved language from OGC

- Subcommittee on Open Science
    - Need to schedule meeting for all NIH staff involved
    - Sub-Groups 2 and 3 regroup
        - SOS-2: Tell about favorable view in SOS mtg re IDA and DMP
            - Follow up w email recap of SOS mtg -- Dina will draft email recap to go back to SOS-2
            - Jerry will email Laura to sched recurring monthly mtgs
        - SOS-3:
            - Jerry will email Brian to sched recurring monthly mtgs
            - NLM develop and provide more elab abt PMC as platform
            - OSTP plans & ways to communic APIs on science.gov?
        - SOS-4: Steve Sherry sent out the surveys to key staff on July 9
            - Jerry met w Andrew
                - Arrange for Katie Funk to attend and give some info
                - Andrew is going to meet w ppl re AI/ML subgroup and someone from OMB
                - Possib future mtg discussion of Evidence Act and invite Rebecca Williams from HHS to give the update and info abt guidance?
                - Dina emailed Hilary this morning; not sure abt the points of contact or official communic

- ILL statutory language
    - Rachel Pollock asked Neil (OB) to respond by today….

- NLM Policy Group

- NLM Associate Fellows
    - Stacy Brody – Open Science Comparison Report
        - REBECCA will send draft slides to JERRY
        - Get draft email info to Mike before mtg next Mon w Jerry, Mike, and Patti
    - Paije Wilson – Poster presentation at July MCBK meeting
        - REBECCA will send to Jerry & Patti as FYI

From: Ma, Wei (NIH/NLM) [E]
Sent: 17 Jul 2019 17:24:15 +0000
To: Dunn, Kathel (NIH/NLM) [E];ckurowski@fmpconsulting.com;sandy.becker@me.com;breynolds@fmpconsulting.com;Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E]
Subject: Sunsetting applications list submitted for SIS
Attachments: SIS Services to be Retired.xlsx

All,

Attached is the list of all SIS applications being submitted to sunsetting system.

Thanks-Wei

-----Original Appointment-----
From: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
Sent: Thursday, May 9, 2019 7:21 AM
To: Dunn, Kathel (NIH/NLM) [E]; ckurowski@fmpconsulting.com; sandy.becker@me.com; breynolds@fmpconsulting.com; Ma, Wei (NIH/NLM) [E]; Backus, Joyce (NIH/NLM) [E]; Babski, Dianne (NIH/NLM) [E]; Gillikin, David (NIH/NLM) [E]; Arnesen, Stacey (NIH/NLM) [E]; Wilson, Amanda (NIH/NLM) [E]
Subject: NLM/FMP Strategic Workforce
When: Wednesday, July 17, 2019 9:00 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: 2W-04A (Joyce Backus office) OR webex

-- Do not delete or change any of the following text. --

Join Webex meeting

Meeting number (access code): Passcode
Meeting password: weZaqPHr

Join from a video system or application

Dial Passcode@nih.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

Join by phone

1-650-479-3208 Call-in toll number (US/Canada)

Global call-in numbers

Join using Microsoft Lync or Microsoft Skype for Business

Dial Passcodenih@lync.webex.com

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IMPORTANT NOTICE: Please note that this Webex service allows audio and other information sent during the session to be recorded, which may be discoverable in a legal matter. By joining this session, you automatically consent to such recordings. If you do not consent to being recorded, discuss your concerns with the host or do not join the session.

NLM Product/Service (Offering)	Retiring Date	Primary Point of Contact	Justification
@NLM_SIS Twitter Accounts	06/21/2019	Ilyse Kramer, Siobhan Champ-Blac	Obsolescence / Better products have come along, whether from NLM or another group
All Hazards Plan	12/31/2019	Jennifer Pakiam, Stacey Arnesen, H	Low usage, No longer aligned with NLM priorities or mission needs
American Indian and Alaska Native Health portal https://americanindianhealth.nlm.nih.gov	05/31/2019	Laura Bartlett	Low usage, No longer aligned with NLM priorities or mission needs, Reallocation of staff to different products because resource is no longer a priority, Other: The NIH Tribal Health Research Office will develop a comprehensive outreach and dissemination plan for tribal health and research information for all of NIH.
Arctic Health	05/31/2019	Laura Bartlett	Low usage, Obsolescence / Better products have come along, whether from NLM or another group, Other: The "better product to come along" is https://arctichealth.org/.
ChemSpell	09/30/2019	Ying Sun, Jeanne Goshorn, Hua Cha	Obsolescence / Better products have come along, whether from NLM or another group
DART (Developmental and Reproductive Toxicology)	12/01/2019	David Gillikin, Jeanne Goshorn, Phi	No longer aligned with NLM priorities or mission needs, Cost in relation to value
Environmental Health Student Portal	06/10/2019	Alla Keselman	No longer aligned with NLM priorities or mission needs
SIS Division Sunset	06/21/2019	Hua Chang	Other: The SIS division is being sunset
SIS K-12 Program	06/30/2019	Alla Keselman	No longer aligned with NLM priorities or mission needs
Select Gov Delivery Email Distribution Lists	06/23/2019	Ilyse Kramer, Siobhan Champ-Blac	Obsolescence / Better products have come along, whether from NLM or another group
TOXNET	12/01/2019	Evan Bolton, Colette Hochstein, Je	Other: NLM is consolidatiing information into a few sustainable platforms for improved user experience, discoverability and efficiency.
TOXNET Toxics Release Inventory (TRI)	12/31/2019	Colette Hochstein, David Gillikin, J	Obsolescence / Better products have come along, whether from NLM or another group, No longer aligned with NLM priorities or mission needs

From: Backus, Joyce (NIH/NLM) [E]
Sent: 17 Jul 2019 17:31:58 +0000
To: Ma, Wei (NIH/NLM) [E]
Subject: RE: Sunsetting applications list submitted for SIS
Attachments: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST, ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

These may be the approved ones only? I have these two action item emails to approve the sunset plan for these two, not on the list.

NLM Service/Product (Offering)	DERMaL (Dermal Exposure Risk Management and Logic) website

NLM Service/Product (Offering)	Haz-Map health-related database designed for health and safety professionals and for consumers

From: Ma, Wei (NIH/NLM) [E]
Sent: Wednesday, July 17, 2019 1:24 PM
To: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>; ckurowski@fmpconsulting.com; sandy.becker@me.com; breynolds@fmpconsulting.com; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>
Subject: Sunsetting applications list submitted for SIS

All,

Attached is the list of all SIS applications being submitted to sunsetting system.

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Sent: Thursday, May 9, 2019 7:21 AM
To: Dunn, Kathel (NIH/NLM) [E]; ckurowski@fmpconsulting.com; sandy.becker@me.com; breynolds@fmpconsulting.com; Ma, Wei (NIH/NLM) [E]; Backus, Joyce (NIH/NLM) [E]; Babski, Dianne (NIH/NLM) [E]; Gillikin, David (NIH/NLM) [E]; Arnesen, Stacey (NIH/NLM) [E]; Wilson, Amanda (NIH/NLM) [E]
Subject: NLM/FMP Strategic Workforce
When: Wednesday, July 17, 2019 9:00 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: 2W-04A (Joyce Backus office) OR webex

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1-650-479-3208 Call-in toll number (US/Canada)

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From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 28 Jun 2019 16:55:34 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	DERMaL (Dermal Exposure Risk Management and Logic) website
Description	The DERMaL (Dermal Exposure Risk Management and Logic) for Emergency Preparedness and Response Toolkit was developed by NIOSH/CDC and has been hosted by NLM's CHEMM since 2015 as a valuable resource for first responders and others. The current web site is https://dermal.nlm.nih.gov/ .
Document(s) Supporting Justification	This is a NIOSH publication about DERMaL.docx
Justification	Other: It will be incorporated into CHEMM rather than as a separate web site. This plan has been shared with the key contact at NIOSH (Dr. Naomi Hudson) and there are no concerns from the NIOSH side. NIOSH (Dr. Hudson) is involved in ongoing interactions about CHEMM, e.g. project team plans and updates.

Retirement Date	09/15/2019
Organization	LO
Key Staff Involved	Pertti Hakkinen Stacey Arnesen Jennifer Pakiam Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Pertti Hakkinen Stacey Arnesen Jennifer Pakiam Jeanne Goshorn Hua Chang Wei Ma David Gillikin Amanda Wilson
Communicated Message	That DERMaL is no longer a separate resource and that it has been incorporated into CHEMM.
Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Information delivered at staff meetings Other: GovD bulletin(s).
Retained Content	Other:

	It will be part of CHEMM.
Additional Information	--

External Communication Plan	
External Stakeholders to be Informed	WISER and CHEMM users. CHEMM-related collaborators at NIOSH and HHS ASPR, and members s of professional societies (e.g., American College of Medical Toxicology, ACMT) and other relevant organizations (e.g., International Association of Fire Chiefs, IAFC).
Communicated Message	That DERMaL is no longer a separate web site and that the content has been incorporated into CHEMM.
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Emails Other: GovD messages to WISER and CHEMM users, and presentations at professional society and other meetings. Newsletter Social Media In person meeting or phone call
Communication Frequency	One time message

Retained Content	Other: DERMaL will be incorporated into CHEMM.
Page Redirected	No
Additional Information	---

Request Information	
Request ID	341
Task ID	403
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/28/2019 04:27 p.m.

APPROVE	**RETURN** *	**REJECT** *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 28 Jun 2019 17:52:13 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	Haz-Map health-related database designed for health and safety professionals and for consumers
Description	Haz-Map® is an occupational health database designed for health and safety professionals and for consumers seeking information about the adverse effects of workplace exposures to chemical and biological agents. The main links in Haz-Map are between chemicals and occupational diseases. These links have been established using current scientific evidence. Haz-Map has been part of NLM's TOXNET suite of resources for over 15 years. Haz-Map is used within the Federal Government (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and by others. This is the current website for https://hazmap.nlm.nih.gov/
Document(s) Supporting Justification	Some publications about Haz.docx About for Haz-Map.docx 2017 HazMap 2017 Webinar from NLM.docx
Justification	No longer aligned with NLM priorities or mission needs Other: License ends in July 2019 and current plan is not to renew it. However, please note that Haz-Map is used within the Federal

	Government (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and by others. NIH's Division of Occupational Health and Safety lists it as Federal resource https://www.ors.od.nih.gov/sr/dohs/safety/workplace/Pages/Federal-Resources.aspx
Retirement Date	07/31/2019
Organization	LO
Key Staff Involved	Pertti Hakkinen Jeanne Goshorn Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen Jeanne Goshorn Wei Ma David Gillikin Amanda Wilson
Communicated Message	NLM's license for Haz-Map ended-in in July 2019.
Date the Message will be Sent	08/01/2019
Communication Channel(s)	Emails Information delivered at staff meetings Other:

	GovD toxicology-related bulletin.
Retained Content	Other: We can let interested NLM people (and people contacting NLM) know that the Haz-Map developer (Dr. Jay Brown) offers Haz-Map content on this web site: https://www.haz-map.com/
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Federal Government users (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and others. Also, professional societies (e.g., American Industrial Hygiene Association, AIHA, and American College of Medical Toxicology, ACMT) and other organizations.
Communicated Message	Haz-Map will no longer be available from NLM. We can let interested NLM people know that the Haz-Map developer (Dr. Jay Brown) offers Haz-Map content on this web site: https://www.haz-map.com/
Date the Message will be Sent	08/01/2019
Communication Channel(s)	Emails Technical Bulletin Newsletter Social Media

	In person meeting or phone call
Communication Frequency	Monthly Quarterly
Retained Content	Other: We will check if NLM's licensing agreement with Dr. Jay Brown allows us to keep Haz-Map available for a brief time or longer. Also, if there is agreement within NLM, we could work within the Federal Government (e.g., NIH OD Division of Occupational Health and Safety, OSHA, CPSC, DoD, etc.) to possibly find another home for Haz-Map that NLM could then help publicize.
Page Redirected	Yes
Redirect URL	https://www.haz-map.com/
Additional Information	---

Request Information	
Request ID	342
Task ID	404
Request Status	Submitted
Created By	Pertti Hakkinen
Date Created	06/28/2019 05:32 p.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Middleton, Grace (NIH/NLM) [C]
Sent: 19 Jul 2019 20:56:23 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: Any sunset updates?

I will actually have an email for him on Monday for both. They look ready to move forward – plans are complete. You could take them to him, if that makes more sense.

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Friday, July 19, 2019 1:15 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Any sunset updates?

Hi Grace,

I am meeting with Jerry on Monday – anything I can update him on TOXNet or K-12? Thanks!

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308
Office phone: 301-827-7615

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 22 Jul 2019 09:22:43 -0400
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: ACTION REQUIRED (NLM DEPUTY DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXNET
Description	TOXNET® (TOXicology Data NETwork) is a group of databases covering chemicals and drugs, diseases and the environment, environmental health, occupational safety and health, poisoning, risk assessment and regulations, and toxicology. I
Document(s) Supporting Justification	TOXNET Internal Communications Plan.docx TOXNET usage past 12 months.docx Second revision June 11 NLM TOXNET transition page and System message.docx TOXNET Transition Page implementation v3 (1).docx
Justification	Other: NLM is consolidatiing information into a few sustainable platforms for improved user experience, discoverability and efficiency.
Retirement Date	12/01/2019

Organization	DSIS
Key Staff Involved	Evan Bolton Colette Hochstein Jeffrey Beck Pertti Hakkinen Evgueni Kireev Stacy Lathrop Kim Pruitt Jeanne Goshorn Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen Jeanne Goshorn Wei Ma David Gillikin Terry Ahmed Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be

	available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	NLM Website
Additional Information	via PubChem, PubMed, Bookshelf, others

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, TOXNET colleagues at EPA, NIEHS, NNLM, etc.
Communicated Message	On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free

	online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Technical Bulletin Social Media Emails Other: GovD bulletins In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	NLM Website Other: Various .org sites specified on the TOXNET transition page
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available via a new TOXNET transition page.

Request Information	
Request ID	261
Task ID	442
Request Status	Communication Director Approved
Created By	Colette Hochstein
Date Created	06/11/2019 11:06 a.m.

APPROVE	**RETURN** *	**REJECT** *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Middleton, Grace (NIH/NLM) [C]
Sent: 22 Jul 2019 17:49:21 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: Toxnet, K-12 and SIS Twitter

Yes.

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, July 22, 2019 12:19 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Toxnet, K-12 and SIS Twitter

Thanks! Can you take a first stab at editing the message based on the overall tenure/tone of the SIS sunset communications?

Jody

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Monday, July 22, 2019 9:46 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Toxnet, K-12 and SIS Twitter

They actually have pieces drafted. I think for K-12 we just need to edit the message they wrote and work with them on the channels they are going to use to communicate. The Twitter account is already done…except for closing it completely on the 31st.

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, July 22, 2019 9:30 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Re: Toxnet, K-12 and SIS Twitter

Great. Are there any actions OCPL needs to take or communications to begin drafting?

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Jul 22, 2019, at 9:26 AM, Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov> wrote:

> Good morning, Jody,

I have approved and sent forward TOXNET, K-12 and the SIS Twitter account to Jerry (with notes for each about the communication plans and current status of the offerings) for his review approval in the sunsetting system. Let me know if you need anything further before you meet with him.

Thanks,
Grace

From: Middleton, Grace (NIH/NLM) [C]
Sent: 22 Jul 2019 17:49:43 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: Toxnet, K-12 and SIS Twitter

Okay, I can work with Allison and Diane on that…

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, July 22, 2019 12:19 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: RE: Toxnet, K-12 and SIS Twitter

Also, think there is a record management component once the social media account(s) are closed completely.

Jody

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Sent: Monday, July 22, 2019 9:30 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Re: Toxnet, K-12 and SIS Twitter

Great. Are there any actions OCPL needs to take or communications to begin drafting?

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Jul 22, 2019, at 9:26 AM, Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov> wrote:

> Good morning, Jody,
>
> I have approved and sent forward TOXNET, K-12 and the SIS Twitter account to Jerry (with notes for each about the communication plans and current status of the offerings) for his review approval in the sunsetting system. Let me know if you need anything further before you meet with him.
>
> Thanks,
> Grace

From: NIH CIO Communications (NIH/OD)
Sent: 22 Jul 2019 19:52:19 +0000
To: D'Souza, Ivor (NIH/NLM) [E];Danielson, Todd (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Cc: Shuler, Rex (NIH/NLM) [E];NIH IT Data Call
Subject: ACTION: Provide Public Facing Website Status – NLM [Due 08/02/19]
Attachments: IDEA-Data-Call-2019-07-NLM.xlsx

All,

HHS is requesting data on NIH's public facing websites in response to the requirements of the *21st Century Integrated Digital Experience* (IDEA) Act, which was signed into law on Dec. 20, 2018

The attached spreadsheet includes your IC's websites which were submitted to HHS in prior data calls.

Please review it for accuracy and make corrections and additions as necessary. Please do not include social media accounts, mobile apps, email lists or other digital communications tools. Your response should only include websites maintained and managed by your IC.

Please provide a single, coordinated response for your IC by COB Friday, August 2, 2019 to nihitdatacall@mail.nih.gov.

Please include ALL your IC's public facing websites, including any Scientific Databases and Applications. There is a column in the spreadsheet to identify them so that these sites will not be reported beyond the HHS level.

If you have questions about any of the individual elements, please contact NIH IT Data Call at nihitdatacall@mail.nih.gov.

Thanks!

Website Type	Name of Website	URL	Status	Hosting Server	Hosting Type	Platform (if platform is not available in the dropdown, please specify the platform in the comments)	Language (if open source)	Date of Last Update	On-Board (has the owner of the site been informed about the Guidelines?)	GM Guidance (Conform with requirements of Guidelines)	Archive/Storage (Is the government approved Records Disposal Schedule adhered to and how long is the data kept?)	Content Checks (Is there a review process in place to check the content before it is published?)	Search (Is there a search engine on the website that allows users to easily search content relevant to public use)	UI/UX (Does the site through an industry standard interface guideline)	Site structure clarities (Is it easy to navigate the website with clear sitemap and are different key management and citizen's centric services)	Transactional/Efficient and Secure (Allows users to complete digital transactions, e.g. Submission of forms, Payment, Data Transmission, etc.)	Others (1. Is the transactional and usable on a personal mobile device) (2. Is there a page count specified for the website) (3. Is the website hosted in-house or outsourced to a vendor)	Scientific Database Application (Does the website's content fall under any scientific database application)	Notes (i.e. recommended by who)
Website	SMART Malaysia	https://smart.rdc.nl.gov/	Live	NLM		.Net		6/10/2564											
Website	Chemistry	https://chemistry.rdc.nl.gov/	Live	NLM		Java		6/10/2564											
Website	Math Kids	https://mathkids.rdc.nl.gov/	Live	NLM		PHP		6/10/2564											
Website	Math Kids	https://mathkids.rdc.nl.gov/	Live	NLM		PHP		6/10/2564											
Website	Arid Quest - The Hydrilla Bureau Project	https://bureauproject.rdc.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Crime Ontology for Malaysia	https://ontology.nlmonth.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Crime Ontology for Malaysia	https://ontology.nlmonth.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Indexing Initiative	https://in.dev.nl.gov	Live	NLM/ADC	N/A	Laravel/HTML	N/A	21-Feb-22											
Website	I-Digry	https://imagi.dev.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	GAPURA Project: In Memory Processing for Fulltime Online Analytic (GAPURA) System	https://mapuraolinenlm.gov	Live	NLM/ADC	N/A	C#	N/A	21-Feb-22											
Website	LMS Demo Arena	https://lmsmo.fte.nlm.nlk.gov https://lmsmo.dems.dev.nlk.gov	Live	NLM/ADC	N/A	Moodle	N/A	21-Feb-22											
Website	Live HD National Canine Tumour Histopathology Classification	https://lmsdc.nlm.nlk.gov	Live	NLM/ADC	N/A	Wrapid	N/A	21-Feb-22											
Website	LexiPrimer Tutor	https://lpt.dcc.nl.gov	Live	NLM/ADC	N/A	Java FX	N/A	21-Feb-22											
Website	Medical Overdose Research	https://mor.nlm.nlk.gov	Live	NLM/ADC	N/A	Linux/PHP	N/A	21-Feb-22											
Website	Mindtap	https://mindtap.nlm.nlk.gov	Live	NLM/ADC	N/A	Java FX	N/A	21-Feb-22											
Website	Mindtap	https://mindtap.nlm.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Mitsi Platform (Lexicography-assessment)	https://pkedi.nlk.nlk.gov	Live	NLM/ADC	N/A		N/A	21-Feb-22											
Website	Newborn Screening Waiting Time Calculator	https://newborn-screening.pkdj.nlmonth.gov	Live	NLM/ADC	N/A	Java	N/A	22-Feb-22											
Website	Ali Pharma Inc.	https://kedp.dcc.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	22-Feb-22											
Website	Alerts 1	https://kpert.nlk.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	22-Feb-22											
Website	Alerts 2 - Mobile	https://kpert.nlk.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	22-Feb-22											
Website	NFM Nebulae Backend Portal (NFP)	https://kedc.dcc.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	22-Feb-22											
Website	Freight Tracker	https://ptsfm.nlk.gov	Live	NLM/ADC	N/A	Apache	Hyperskill Experience Mentor https://hyperskill.org/? modified=Mentorship/Web	21-Feb-22											
Website	iPay eMed	https://ipayemed.nlm.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Prehistoric Science	https://pscifi.nlmonth.gov	Live	NLM/ADC	N/A	Java	N/A	21-Feb-22											
Website	Repository for Informed Decision Making (RFIDM)	https://ebrary.telkomuniversity.ac.id/login/	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Tracker v2	https://trackingv2.nlm.nlk.gov	Live	NLM/ADC	N/A			21-Feb-22											
Website	Relay	https://relay.nlmonth.gov	Live	NLM/ADC	N/A			21-Feb-22											
Website	3D Terrain Demo	https://kedm-terrain.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Gateway	https://gateway.nlmonth.gov	Live	NLM/ADC	N/A	Tomcat	N/A	21-Feb-22											
Website	Test	https://pkn-demo.dcc.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Spelling	https://spell.nlm.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Semantic Knowledge Representation	https://skr.nlk.nlk.gov	Live	NLM/ADC	N/A	LAMP	N/A	21-Feb-22											
Website	Pharmaceutical Unwanted Presence Alert Tools	https://spacealert.dcc.nl.gov	Live	NLM/ADC	N/A	LAMP	N/A	22-Feb-22											
Website	Structural Lithotomy Method (SLM)	https://slm.kedcollaboration.nlmonth.gov	Live	NLM/ADC	N/A	LAMP	N/A	21-Feb-22											
Website	Malaysia Map Display	https://kedc.dcc.nl.gov/mmdisplay	Live	NLM/ADC	N/A	Mondrian	Vanish (Linux)	21-Feb-22											
Website	Cloud Control Cart (CCC)	https://ccc.dcc.nl.gov	Live	NLM/ADC	N/A			21-Feb-22											
Website	SCAM Tools	https://scamtools.nlm.gov	Live	NLM/ADC	N/A	Tomcat	N/A	21-Feb-22											
Website	GIS Extension Network	https://extensionnetwork.dcc.nl.gov	Live	NLM/ADC	N/A			21-Feb-22											
Website	Kedlang Portal	https://kedlang.nlm.nlk.gov	Live	NLM				21-Feb-22											
Website	Kedlang Docs and Tutorial	https://kedlangdocs.nlm.nlk.gov	Live	NLM		Apache HTTPd		21-Feb-22											
Website	National Library of Medicine Medical Subject Headings (MeSH) Browser	https://meshbrowser.gov/	Live	NLM		Local Terminal		22-Feb-22											
Website	Medical Natural Language Agent (MedL)	https://www.nlm.nlk.gov/research/medl/	Live	NLM		Local Terminal		22-Feb-22											
Website	Solar Mi Academy Server	https://www.dcc.nl.gov	Live	NLM		Local Terminal		22-Feb-22											
Website	NFI CSI Repository	https://csi.nlm.nlk.gov/nfi/	Live	NLM		Local Terminal		22-Feb-22											
Website	Kedlang Docs	https://kedlangdocs.nlm.nlk.gov/	Live	NLM		Wrapid Tomcat		22-Feb-22											
Website	Digital Initiatives	https://kedlabdocs.dcc.nl.gov/	Live	NLM		Local Terminal		21-Feb-22											
Website	Archplot	https://archplot.dcc.nlk.gov/kdl-plot/	Live	NLM		Kedlibraries/Tomcat		21-Feb-22											
Website	Kedlang Docs	https://kedlangdocs.nlm.nlk.gov/	Live	NLM		Apache HTTPd	Alex Argonauts	21-Feb-22											
Website	National Library of Medicine	https://www.nlm.nlk.gov/	Live	NLM		Apache HTTPd		21-Feb-22											
Website	National Network of Library of Medicine	https://nnlm.gov/	Live	NLM		TeamWork		21-Feb-22											
Website	National Library of Medicine Biotechnology Information	https://www.ncbi.nlm.nlk.gov/	Live	NLM		Wrapid		21-Feb-22											
Website	PERSAKI	https://pdc.dcc.nlm.gov/nlm/pdc/	Live	NLM			Alex Argonauts	21-Feb-22											

From: Middleton, Grace (NIH/NLM) [C]
Sent: 23 Jul 2019 12:20:21 +0000
To: Nurik, Jody (NIH/NLM) [E];Carolyn Kurowski;Scott, Nicole (NIH/NLM) [E]
Cc: Bryanne Reynolds
Subject: RE: SIS Product List
Attachments: SIS Sunset map June25.xlsx

Good morning, Carolyn,

Please find attached the spreadsheet provided by SIS before the division was sunset. It includes the offerings they were tracking for sunset and/or migration to another part of NLM. I hope you find this helpful.

Regards,
Grace M. Middleton

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, July 23, 2019 7:58 AM
To: Carolyn Kurowski <CKurowski@fmpconsulting.com>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Bryanne Reynolds <Breynolds@fmpconsulting.com>
Subject: RE: SIS Product List

Hi Grace and Nicole,

Please forward on to Carolyn any list other than the one we are primarily using from the sunset database that might be helpful regarding SIS sunsetting.

Thanks,
Jody

From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Sent: Tuesday, July 23, 2019 7:21 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Cc: Bryanne Reynolds <Breynolds@fmpconsulting.com>
Subject: SIS Product List

Good morning,

The Steering Group has asked me to do a check to confirm we have a complete list of SIS products.Wei Is pulling me the list from the sunsetting database, but I wanted to check and see if you all had a separate list or lists that you were using, and if you would mind sharing it with me so I can check it against the list that LO is using.

To be clear, I am not asking that you create or compile a list, only share ones you're already using.

We will be reviewing the list in our meeting tomorrow morning and confirming that we have the key information and specific roles a Denna five for each of the projects. You will be sent the notes from that discussion as well as a link to the document so you have access to that information as well.

Please let me know if you have any questions. And thank you in advance for your help!

Carolyn Kurowski
Managing Partner
FMP Consulting
2900 South Quincy Street, Suite 200, Arlington, VA 22206
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ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

	A	B	C	D	E	F	G
1	**Offering**	**Going to or Sunset**	**Person**	**Communication Plan**	**Alt Resources**	**External Messages**	**Notes**
2	TOXNET	Sunset	Jeanne	in the portal	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Part of the TOXNET integration with NCBI platforms
3	Hazardous Substance Databank	BSD	Bert		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI platforms in 2020
4	ChemIDplus	BSD	Jeanne		PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020
5	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site.

	A	B	C	D	E	F	G
6	IRIS (Integrated Risk Information System	Sunset	Jeanne	in development	Iris at EPA link	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link to IRIS page at EPA	Retire in fall 2019; remove from NLM products &service list
7	ITER (International Toxicity Estimates for Risk)	Sunset	Bert	in the portal		TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the sunset notice.	Sunset in fall 2019. Remove from NLM Products & Services list. May survive sunset if contractor issue is resolved
8	Gene-TOX	Sunset	Jeanne	in development	PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in PubChem" on the page.	Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?
9	CPDB (Carcinogenic Potency Database)	Sunset	Jeanne	approved pre-portal		TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP.	Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and Services list
10	CRISS (Chemical Carcinogenic Potency Database	Sunset	Jeanne	in development	PubChem	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page.	Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from transition page.

	A	B	C	D	E	F	G
11	LactMed	BSD	Jeanne		Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include a link to Lactmed in Bookshelf	Content managed at BSD, public facing in Bookshelf, app will be maintained
12	Alt Bib (Alternatives to Animal Testing)	BSD	Bert		PubMed		Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page
13	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
14	Dietary Supplement Label database and Ingredient database	ODS	Jeanne		new url at ODS when moved	Provide message on page with new link when it is available and move date established	Moving to ODS May, 2020. Then remove from the NLM Products & Services
15	Household Products	BSD	Bert				
16	DERMAL	Sunset	Bert	in development	CHEMM	See message in sunset plan; include link to CHEMM	Content is merged into CHEMM
17	LiverTox	NCBI				TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and will link to LiverTox in Bookshelf	Moving to Bookshelf, change url in prod & services

	A	B	C	D	E	F	G
18	CTD (Comparative Toxicogenomics Database)	Sunset	Bert	in development		TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and include notice of sunset	Will retire in fall with other TOXNET offerings with the TOXNET integration into NCBI platforms, remove from NLM Products and Services list
19	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
20	DART (Developmental and Reproductive Toxicology Database)	Sunset	Jeanne	in the portal	DART [subset] in PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page	Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms
21	HazMap	Sunset	Bert	in development		See message in plan	License ends in July, 2019 and will not be renewed. Message in Tech Bulletin, remove from Products & Services. Contact DOL
22	TRI	Sunset	Colette	in the portal	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services
23	FDA Substance Registry System	BSD	Jeanne				Part of ChemIDplus
24	CHEMSpell API	Sunset	Florence	in the portal		The ChemSpell API service will retire in the Fall of 2019. The algorithm used for chemical spellchecking and the software is outdated and cannot be sustained.	Remove from NLM Products & Services, no alternative references available

	A	B	C	D	E	F	G
25	Data Discovery	BSD	David H				
26	Disaster Lit	PSD	Stacey				
27	NIH DR2	Sunset???	Stacey	to be developed		See plan for message	Future uncertain: May sunset and perhaps move to NIEHS
28	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
29	REMM (Radiation Emergency Medical Management)	PSD	Stacey				App will be maintained
30	CHEMM (Chemical Hazards Emergency Medical Management)	PSD	Jen/Bert				
31	All Hazard Plan	Sunset	Jen	in the portal		The NLM version of All Hazard Plan will sunset inn September 2019 ASPR will host the site in FY2019 – FY2020 time frame (link to URL).	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in maintenance mode.
32	Pillbox	BSD	David H				
33	Drug info portal	BSD	Jeanne				

	A	B	C	D	E	F	G
34	American Indian Health	Sunset	Laura	in the portal	Medlineplus	The American Indian and Alaska Native portal (https://americanindianhealth.nlm.nih.gov) will be retired on June 30, 2019. Please use the Medlineplus "Native American Health" page for information about American Indian and Alaska Native health at https://medlineplus.gov/nativeamericanhealth.html. If you have any questions, please contact NLM customer support at https://support.nlm.nih.gov/.	Notice on website, notice in Technical bulletin, outreach social media feeds, remove link in NLM Prod & Services
35	HealthReach	PSD	Laura		Medlineplus		Under study at LO to determine if integrating into Medlineplus
36	Arctic Health	Sunset	Laura	in the portal	Univ of AK - https://arctichealth.org/	The Arctic Health portal moved to a new home on September 28, 2018. The University of Alaska Anchorage will continue to host and maintain the publications database at https://arctichealth.org/. Content from NLM hosted Arctic Health has been moved into the database and the search engine has been enhanced. Please bookmark the new URL for Arctic Health at https://arctichealth.org/.	Notice on site, Tech Bulletin, social media, remove from Prod&Services, contact UofA personnel (this is done)

	A	B	C	D	E	F	G
37	Environmental Health Student Portal	Sunset	Alla	in the portal	ToxTown	See message in plan	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products & services
38	ToxTown	PSD	Alla				
39	CHIRR	Sunset	Janice	approved pre-portal	PubMed, CDE	Notice on website (done), Contacted 2 authors (done)	Sent file to 1 author at his request
40	GeneEd	Sunset	Alla	approved pre-portal	GHR	Notice on GeneEd, Technical Bulletin - both done	Sunsetted at end of Feb, selected content available in GHR
41	ToxMystery	Sunset	Florence	approved pre-portal			done
42	SIS Main website	Sunset	Florence /OCCS	See the Division of SIS plan	NLM main	Post on the SIS homepage before June 23, 2019 - This site will retire on (TBD). Please use NLM.nih.gov to find NLM products and services or contact NLM customer services for assistantce (provide link)	RWS/WIM will look for SIS content and links on the NLM main and send report to LO
43	AIDSource	OCPL	Nicole				Under study at LO to determine if integrating into Medlineplus
44	AIDSinfo	OCPL	Nicole				
45	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG reviewed.
46	DIMRC website	PSD	Stacey				In team site and will move with staff and DIMRC resources
47	**PROGRAMS**						

	A	B	C	D	E	F	G
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia as task mgr
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead

	A	B	C	D	E	F	G
55	K-12 Program	Sunset	Alla	in the portal	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website. Make a list of unique assets from page
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement
57	Disaster Information Specialist	PSD	Stacey Siobhan				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	**SOCIAL MEDIA**						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and General Topic.
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest - HIV Community Information Outreach

	A	B	C	D	E	F	G
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) •○HIV Community Information Outreach
61	K-12 Science and Health Education	Sunset	Alla	in the portal		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter Outreach (50)

	A	B	C	D	E	F	G
62	#NAME?	Sunset	Colette	in the portal		See message in plan	Delete in June. Remove from https://www.nih.gov/ news-events/social- media-outreach
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information -STEM Newsletter

	A	B	C	D	E	F	G
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and News
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolence	Alla				
67	Animations in YouTube	TBD	Alla				

	A	B	C	D	E	F	G
68	Division of Specialized Information Services	Sunset	Florence /OCPL	in the portal	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM main
69							
70							

From: Lang, Lisa A (NIH/NLM) [E]
Sent: 23 Jul 2019 17:19:12 +0000
To: Paltoo, Dina (NIH/NLM) [E];Goodwin, Rebecca (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E]
Subject: Some background info for today's 2pm call -- data assets previously provided or identified by NIH for HHS Enterprise Data Inventory
Attachments: NIH Extract- 2016 HHS EDI file.xlsx, NIH Data Sharing Repositories from BMIC-nih_data_sharing_repositories.html.docx, m-13-13.pdf, M-19-23.pdf, Open Data Act Title 2.docx

Hello Jerry, Dina and Rebecca –

I haven't seen any agenda for today's meeting re questions/concerns we would have for OMB on title 2 – if you have anything, pls share. Jerry – do we want to meet 5 minutes early in your office to discuss NLM's point of view on this?

I understood that for the earlier version of this 'data asset' requirement, we had initially identified the data repositories on the BMIC list as the core set for inclusion in the HHS Enterprise Data Inventory (HHS EDI (2016)). The HHS EDI (2016) is a named subset of Healthdata.gov, which is updated continuously and routinely provided to Data.gov. I thought it would be helpful for us and OD to see what we have previously identified, and how it compared to the current NIH associated content in Healthdata.gov. Attached is the following

- NIH data sharing repositories list, from the BMIC site.
    - NOTE: any line highlighted in GREY represents an asset on this list that is NOT currently in either the most recent healthdata.gov pull or the 2016 HHS EDI file.
- Excel with two tabs: 2016 HHS EDI file – NIH Extract AND Healthdata.gov 7_19_19 file – NIH Extract.
    - NOTE: left-most column in yellow represent an asset that is included on the NIH data sharing repositories list, from the BMIC site.
    - NIH contributions to the 2016 HHS EDI – 104 items; NIH contributions to Healthdata.gov – 121 items

The rationale for inclusion in any of the 3 sets is NOT always clear, so any insights would be appreciated. As you will see, there are resources on the BMIC list that look as if they ought to have been included in the HHS EDI or healthdata.gov (eg, dbGaP); there are items in the EDI and healthdata that ought to be in the BMIC list (eg NDAR). The HHS EDI submissions for NLM and NIH were substantially greater than just the BMIC list.

I read the statute, which seems to be consistent with the earlier exec order, to be very broad, with broad authority to OMB to rein it in. Do you possibly have any description of the position we previously used to define what we included in the HHS EDI? This might be a good place to start today's meeting.

Thanks
Lisa

2016 HHS EDI file -- NIH Extract

Is BMC data sharing repository?	2016 HHS EDI file -- NIH Extract	_ - modified	_ - identif	_ - description	_ - accessLevel	_ - license	_ - publisher - name
	Cancer Incidence - Surveillance, Epidemiology, and End Results (SEER) Registries Limited-Use	2016-05-02	68efde71-	SEER Limited-Use cancer incidence data with associated population	public	http://opendefinition.org/licen	National Cancer Institute
	QuitNowTXT Text Messaging Library	2016-05-02	c90f280f-1	Overview: The QuitNowTXT text messaging program is designed an	public	http://opendefinition.org/licen	National Cancer Institute
	Drug Facts Chat Day	2016-05-02	0c7a3b41-	Transcript of 2010 Drug Facts Chat Day.	public	http://opendefinition.org/licen	National Institute on Drug Abuse
	NIDA Drug Use Screening Tool API	2016-05-02	9ec7268f-:	This Web-based interactive tool provides clinicians with a single-q	public	http://opendefinition.org/licen	National Institute on Drug Abuse
	AIDS Info	2016-05-02	3011ab57-	Aids Info	public	http://opendefinition.org/licen	National Institutes of Health
	AphasiaBank	2016-07-18	0d0c56dd	AphasiaBank is a shared database of multimedia interactions for th	public	http://opendefinition.org/licen	National Institutes of Health
	BEI Resource Repository	2016-07-18	1f97b8dc	BEI Resources provides reagents, tools and information for studyin	public	http://opendefinition.org/licen	National Institutes of Health
	Biologic Specimen and Data Repository Information Coordinating Center (BioLINCC)	2016-07-18	74efd6d-(	The goal of BioLINCC is to facilitate and coordinate the existing acti	public	http://opendefinition.org/licen	National Institutes of Health
	Biological General Repository for Interaction Datasets (BioGRID)	2016-07-18	27788c47-	BioGRID is an online interaction repository with data on raw protei	public	http://opendefinition.org/licen	National Institutes of Health
	Biospecimen Repository Access and Data Sharing (BRADS)	2016-07-18	77e6b5dd	BRADS is a repository for data and biospecimens from population h	public	http://opendefinition.org/licen	National Institutes of Health
	Cell Centred Database (CCDB)	2016-07-18	4368a9ec-	The Cell Centered Database (CCDB) is a web accessible database fo	public	http://opendefinition.org/licen	National Institutes of Health
	Child Language Data Exchange System (CHILDES)	2016-07-18	85ac8d07-	CHILDES is a system for sharing and analyzing conversational intera	public	http://opendefinition.org/licen	National Institutes of Health
	ClinicalTrials.gov : linking patients to medical research	2016-05-02	a3199715-	Abstract: Provides patients, family members, health care professi	public	http://opendefinition.org/licen	National Institutes of Health
	Cooperative Research and Development Agreement (CRADA) Opportunities from NIH	2016-05-02	8bbc3620	This RSS Feed represents all Collaborative Research and Developm	public	http://opendefinition.org/licen	National Institutes of Health
	DailyMed Webservices	2016-05-02	4a86be2e	The DailyMed RESTful API is a web service for accessing current SPL	public	http://opendefinition.org/licen	National Institutes of Health
	Database of Interacting Proteins (DIP)	2016-07-18	f064cdba-	The DIP database catalogs experimentally determined interactions	public	http://opendefinition.org/licen	National Institutes of Health
	dbSNP	2016-07-18	d6fe10ae-	dbSNP is a database of single nucleotide polymorphisms (SNPs) an	public	http://opendefinition.org/licen	National Institutes of Health
	dbVar	2016-07-18	94317ea7-	dbVar is a database of genomic structural variation. It accepts data	public	http://opendefinition.org/licen	National Institutes of Health
	Eukaryotic Pathogen Database Resources (EuPathDB)	2016-07-18	ac3f7bb4-	EuPathDB Bioinformatics Resource Center for Biodefense and Eme	public	http://opendefinition.org/licen	National Institutes of Health
	EyeGENE	2016-07-15	9adf0b25-	The eyeGENE® Biorepository and corresponding Database contain t	public	http://opendefinition.org/licen	National Institutes of Health
	Federal Interagency Traumatic Brain Injury Research (FITBIR) Informatics System	2016-07-18	d8048bb8	The Federal Interagency Traumatic Brain Injury Research (FITBIR) in	public	http://opendefinition.org/licen	National Institutes of Health
	FlyBase: A Drosophila Genomic and Genetic Database	2016-07-18	faf46179-:	Drosophila Genomic and Genetic database that includes proteomic	public	http://opendefinition.org/licen	National Institutes of Health
	GenBank	2016-07-18	810d7c33-	GenBank is the NIH genetic sequence database, an annotated colle	public	http://opendefinition.org/licen	National Institutes of Health
	Gene Expression Omnibus (GEO)	2016-07-18	03c4f32c-(	Gene Expression Omnibus is a public functional genomics data rep	public	http://opendefinition.org/licen	National Institutes of Health
	Health Information National Trends Survey (HINTS)	2016-05-02	e070c4c9-	The Health Information National Trends Survey (HINTS) is a biennia	public	http://opendefinition.org/licen	National Institutes of Health
	Immune Epitope Database and Analysis Resource (IEDB)	2016-07-18	7c8f0ef9-4	This repository contains antibody/B cell and T cell epitope informa	public	http://opendefinition.org/licen	National Institutes of Health
	Influenza Research Database (IRD)	2016-07-18	92714708-	The Influenza Research Database (IRD) serves as a public repositor	public	http://opendefinition.org/licen	National Institutes of Health
	Integrating Data for Analysis, Anonymization, and Sharing (iDASH)	2016-07-18	a3211df8-	iDASH, the newest Common Fund National Center for Biomedical (	public	http://opendefinition.org/licen	National Institutes of Health
	Inter-university Consortium for Political and Social Research (ICPSR)	2016-07-18	d6ee40ed	ICPSR maintains a data archive of more than 500,000 files of researc	public	http://opendefinition.org/licen	National Institutes of Health
	Licensing Opportunities for NIH, CDC & FDA Technologies	2016-05-02	caf1a232-(	This dataset represents all technologies available for licensing from	public	http://opendefinition.org/licen	National Institutes of Health
	MedlinePlus Connect for Electronic Health Record (EHR) Systems - Web Application	2016-05-02	f15aa02b-	A Web application that allows patient portals and electronic health	public	http://opendefinition.org/licen	National Institutes of Health
	MedlinePlus Connect for Electronic Health Record (EHR) Systems - Web Service	2016-05-02	94200b58	A Web service that allows patient portals and electronic health rec	public	http://opendefinition.org/licen	National Institutes of Health
	MedlinePlus Health Topic Web Service	2016-05-02	de0c318c-	A search-based Web service that provides access to disease, condit	public	http://opendefinition.org/licen	National Institutes of Health
	Metabolomics Workbench (MetWB)	2016-07-18	37d41112	The Metabolomics Program's Data Repository and Coordinating Cen	public	http://opendefinition.org/licen	National Institutes of Health
	Mouse Genome Informatics (MGI)	2016-07-18	7d09c1b3-	MGI is the international database resource for the laboratory mous	public	http://opendefinition.org/licen	National Institutes of Health
	Mouse Phenome Database (MPD)	2016-07-18	c1422c56-	The Mouse Phenome Database (MPD) has characterizations of hun	public	http://opendefinition.org/licen	National Institutes of Health
mimic III	Multiparameter Intelligent Monitoring in Intensive Care II (MIMIC-II)	2016-07-18	f4dd62fd-(	The objective of this Bioengineering Research Partnership is to foc	public	http://opendefinition.org/licen	National Institutes of Health
	Nanomaterial Registry	2016-07-18	d74eaf67-	By leveraging and developing a set of Minimal Information About ?	public	http://opendefinition.org/licen	National Institutes of Health
	Nanomaterial Registry	2016-05-02	9e32173a-	The Nanomaterial Registry compiles data from multiple databases	public	http://opendefinition.org/licen	National Institutes of Health
	National Addiction & HIV Data Archive Program (NAHDAP)	2016-07-18	d2073e47	NAHDAP acquires, preserves and disseminates data relevant to dru	public	http://opendefinition.org/licen	National Institutes of Health
	National Database for Autism Research (NDAR)	2016-07-18	47fd08c-	National Database for Autism Research (NDAR) is an extensible, sc	public	http://opendefinition.org/licen	National Institutes of Health
	National Database for Clinical Trials Related to Mental Illness (NDCT)	2016-07-17	ed15583e	The National Database for Clinical Trials Related to Mental Illness (	public	http://opendefinition.org/licen	National Institutes of Health
	National Epidemiologic Survey on Alcohol and Related Conditions (NESARC) - III	2016-05-02	39fcee10-	The National Epidemiologic Survey on Alcohol and Related Conditi	public	http://opendefinition.org/licen	National Institutes of Health
	National Epidemiologic Survey on Alcohol and Related Conditions (NESARC)—Wave 1 (2001–20(	2016-05-02	ff29c1d0-l	National Epidemiologic Survey on Alcohol and Related Conditions (	public	http://opendefinition.org/licen	National Institutes of Health
	Neuroimaging Informatics Tools and Resources Clearinghouse (NITRC)	2016-05-02	ec022df2-	The Neuroimaging Informatics Tools and Resources Clearinghouse	public	http://opendefinition.org/licen	National Institutes of Health
	NeuroMorpho	2016-07-18	95a42a4-	NeuroMorpho.Org is a centrally curated inventory of digitally reco	public	http://opendefinition.org/licen	National Institutes of Health
	NIDA Center on Genetics Studies	2016-07-18	2e9312a6	Blood and other biospecimens along with phenotypic data collecte	public	http://opendefinition.org/licen	National Institutes of Health
	NIDDK Central Repository	2016-07-18	ad6250c9-	The NIDDK Central Repository stores biosamples, genetic and othe	public	http://opendefinition.org/licen	National Institutes of Health
	NIDDK Information Network (DKnet)	2016-07-18	b635b7e8	The NIDDK Information Network serves the needs of basic and clin	public	http://opendefinition.org/licen	National Institutes of Health
	NIH Data Sharing Repositories	2016-05-02	d98d5757	A list of NIH-supported repositories that accept submissions of apg	public	http://opendefinition.org/licen	National Institutes of Health
	NIH Exported Research Portfolio Online Reporting Tools: Expenditures and Results (ExPORTER)	2016-05-02	3788d897	Research projects funded by the National Institutes of Health (NIH(	public	http://opendefinition.org/licen	National Institutes of Health
	NIH Exported Research Portfolio Online Reporting Tools: Expenditures and Results (ExPORTER)	2016-05-02	8f4db285-	Research projects funded by the National Institutes of Health (NIH(	public	http://opendefinition.org/licen	National Institutes of Health
	NIMH Repository and Genomics Resources (RGR)	2016-07-18	40058e12-	The NIMH Repository and Genomics Resource (RGR) stores biosam	public	http://opendefinition.org/licen	National Institutes of Health
	Nuclear Receptor Signaling Atlas (NURSA)	2016-07-18	ff71e3cf-f	The Nuclear Receptor Signaling Atlas (NURSA) is designed to foster	public	http://opendefinition.org/licen	National Institutes of Health
	Parkinson's Disease Biomarkers Program Data Management Resource (PDBP DMR)	2016-07-18	9047712c	The NINDS Parkinson's Disease (PD) Biomarkers Program Data Man	public	http://opendefinition.org/licen	National Institutes of Health
	Pediatric MRI	2016-07-18	8abea198	The NIH Study of Normal Brain Development is a longitudinal stud	public	http://opendefinition.org/licen	National Institutes of Health
	PeptideAtlas	2016-07-15	a6efb56e-	PeptideAtlas is a multi-organism, publicly accessible compendium	public	http://opendefinition.org/licen	National Institutes of Health
	PhonBank	2016-07-18	a1ed48ef-	PhonBank is an open database for the study of early phonological c	public	http://opendefinition.org/licen	National Institutes of Health
	PhysioNet	2016-07-18	2f84e873-	The PhysioNet Resource is intended to stimulate current research	public	http://opendefinition.org/licen	National Institutes of Health
	Products developed using NIH and FDA inventions	2016-05-02	b0bb3288	This dataset represents a subset of the products developed by com	public	http://opendefinition.org/licen	National Institutes of Health
	Protein Data Bank (PDB)	2016-07-18	d9f3932a-	The Protein Data Bank (PDB) archive is the single worldwide repos	public	http://opendefinition.org/licen	National Institutes of Health
	PubChem	2016-05-02	9dfde3e5-	PubChem contains the chemical structures of small organic molecu	public	http://opendefinition.org/licen	National Institutes of Health
	RadLex	2016-05-02	3c4eddf8-	RadLex is a controlled terminology for radiology and serves as a sin	public	http://opendefinition.org/licen	National Institutes of Health
	Rat Genome Database (RGD)	2016-07-18	c6c39d59-	The Rat Genome Database (RGD) is a collaborative effort between	public	http://opendefinition.org/licen	National Institutes of Health
	RDoCdb	2016-07-18	95143fa3-	RDoCdb supports the Research Domain Criteria Initiative (RDoC), w	public	http://opendefinition.org/licen	National Institutes of Health
	Sequence Read Archive (SRA)	2016-07-18	9b502aa8	The Sequence Read Archive (SRA) stores raw sequencing data from	public	http://opendefinition.org/licen	National Institutes of Health
	Study of Womens Health Across the Nation (SWAN) Public Use Data	2016-05-02	fc814791-(	The SWAN Public Use Datasets provide access to longitudinal data (	restricted public	http://opendefinition.org/licen	National Institutes of Health
	The Cardiovascular Research Grid (CVRG)	2016-07-18	5d045d79	The CardioVascular Research Grid (CVRG) project is creating an infr	public	http://opendefinition.org/licen	National Institutes of Health
	The Immunology Database and Analysis Portal (ImmPort)	2016-07-18	615a68a0-	The ImmPort system serves as a long-term, sustainable archive of (	public	http://opendefinition.org/licen	National Institutes of Health
	The National Institute on Aging Genetics of Alzheimer's Disease Data Storage Site (NIAGADS)	2016-07-15	a08ab7e7	The National Institute on Aging Genetics of Alzheimer's Disease Da	public	http://opendefinition.org/licen	National Institutes of Health
	The Panel Study of Income Dynamics (PSID)	2016-05-02	b2a0bdee	The Panel Study of Income Dynamics (PSID) began in 1968 with a ne	public	http://opendefinition.org/licen	National Institutes of Health
	The Universal Protein Resource (UniProt)	2016-07-18	6313d629	The Universal Protein Resource (UniProt) is a comprehensive reso	public	http://opendefinition.org/licen	National Institutes of Health
	The Zebrafish Model Organism Database (ZFIN)	2016-07-18	94570c43-	ZFIN serves as the zebrafish model organism database. It aims to: a	public	http://opendefinition.org/licen	National Institutes of Health
	TOXNET	2016-05-02	51dd280f-	A cluster of databases on toxicology, hazardous chemicals, and rela	public	http://opendefinition.org/licen	National Institutes of Health
	Transporter Classification Database (TCDB)	2016-07-18	25e28438-	The Transporter Classification Database details a comprehensive cl	public	http://opendefinition.org/licen	National Institutes of Health
	TrialShare	2016-07-18	c9b50424-	The immune tolerance data management and visualization portal f	public	http://opendefinition.org/licen	National Institutes of Health
	VectorBase	2016-07-18	568f2bc3-	VectorBase is a Bioinformatics Resource Center for invertebrate ve	public	http://opendefinition.org/licen	National Institutes of Health
	WormBase	2016-07-18	0d8198dc	WormBase is an international consortium of biologists and comput	public	http://opendefinition.org/licen	National Institutes of Health
	Xenbase	2016-07-18	e4cf43f9-1	Xenbase is a Xenopus laevis and Xenopus tropicalis biology and ge	public	http://opendefinition.org/licen	National Institutes of Health
	Basic Local Alignment Search Tool (BLAST)	2016-05-02	7bb8d61-	Basic Local Alignment Search Tool (BLAST) finds regions of local	public	http://opendefinition.org/licen	National Library of Medicine
	ChemSpell Web Service API	2016-05-02	b88e83fd-	The ChemSpell Web Service API provides chemical name spell che	public	http://opendefinition.org/licen	National Library of Medicine
	DailyMed	2016-05-02	d3382baf-	DailyMed provides high quality information about marketed drugs	public	http://opendefinition.org/licen	National Library of Medicine
	Developmental and Reproductive Toxicology Database (DART)	2016-05-02	2afce182-(	A bibliographic database on the National Library of Medicine's (NLI	public	http://opendefinition.org/licen	National Library of Medicine
	Dietary Supplement Label Database	2016-05-02	0e1c27c5-	The database is designed to help both the general public and healt	public	http://opendefinition.org/licen	National Library of Medicine
	Drugs and Lactation Database - (LactMed)	2016-05-02	507a7a32	A peer-reviewed and fully referenced database of drugs to which	public	http://opendefinition.org/licen	National Library of Medicine
	Entrez Programming Utilities	2016-05-02	16ee3da6	The Entrez Programming Utilities [E-utilities] are a set of eight serv	public	http://opendefinition.org/licen	National Library of Medicine
	Genetics home reference	2016-05-02	8646ad15	The National Library of Medicine's web site for consumer informati	public	http://opendefinition.org/licen	National Library of Medicine
	Hazardous Substances Data Bank (HSDB)	2016-05-02	40cc2acf-(	Comprehensive, peer-reviewed toxicology data for about 5,000 che	public	http://opendefinition.org/licen	National Library of Medicine
	Haz-Map	2016-05-02	92501297	Haz-Map is an occupational health database designed for health an	public	http://opendefinition.org/licen	National Library of Medicine
	Household Products Database	2016-05-02	31753f5c	This database links over 4,000 consumer brands to health effects fr	public	http://opendefinition.org/licen	National Library of Medicine
	MedlinePlus English Widgets and Buttons	2016-05-02	99b5fd32-	Widgets are small applications that allow you to access MedlinePlu	public	http://opendefinition.org/licen	National Library of Medicine
	MedlinePlus Health Topic XML Files	2016-05-02	2aa24237-	XML files containing information resources on diseases, conditions	public	http://opendefinition.org/licen	National Library of Medicine
	MedlinePlus Spanish Widgets and Buttons	2016-05-02	fa590c13-(	Widgets are small applications that allow you to access Spanish-lan	public	http://opendefinition.org/licen	National Library of Medicine
	MetaMap	2016-05-02	0170c150-	MetaMap is a highly configurable application developed by the List	public	http://opendefinition.org/licen	National Library of Medicine
	National Drug File - Reference Terminology API	2016-05-02	e270b199	The National Drug File - Reference Terminology (NDF-RT) is produc	public	http://opendefinition.org/licen	National Library of Medicine
	NLM LocatorPlus	2016-05-24	2155cac9-	LocatorPlus is an interface for searching the collections of the Natio	public		National Library of Medicine
	Pillbox Beta	2016-05-02	fd837136-	Pillbox was developed to aid in the identification of unknown solic	public	http://opendefinition.org/licen	National Library of Medicine
	PubChem Power User Gateway (PUG)	2016-05-02	41571bbc	PUG provides access to PubChem services via a programmatic inter	public	http://opendefinition.org/licen	National Library of Medicine
	PubMed	2016-05-02	063e015e	PubMed comprises more than 22 million citations for biomedical li	public	http://opendefinition.org/licen	National Library of Medicine
	RxNorm	2016-05-02	ad22c4fe-	RxNorm provides normalized names for clinical drugs and links its (	public	http://opendefinition.org/licen	National Library of Medicine
	RxTerms	2016-05-02	d9fe5470-	RxTerms is a drug interface terminology derived from RxNorm for (	public	http://opendefinition.org/licen	National Library of Medicine
	Semantic Knowledge Representation (SKR) API	2016-05-02	f0439c76-	The SKR Project was initiated at NLM in order to develop programs	public	http://opendefinition.org/licen	National Library of Medicine
	TOXMAP®: Environmental Health Maps	2016-05-02	18f156d5-	TOXMAP® is a Geographic Information System (GIS) that uses maps	public	http://opendefinition.org/licen	National Library of Medicine
	Unified Medical Language System Terminology Services (UTS) API	2016-05-02	26530415	The UTS API is intended for application developers to perform Wet	public		National Library of Medicine
	Visible Human Project®	2016-05-02	6b9c62ed	The Visible Human Project® is the creation of complete, anatomica	public	http://opendefinition.org/licen	National Library of Medicine

In BMIC data sharing repository ?

MMIC III

Healthdata.gov 7-19-19 -- NIH extract

- title	- modified	- identifier	- access	- description	- license	- publisher - name	- contactPoint - fn
Cancer Incidence - Surveillance, Epidemiology, and End Results (SEER) Registries Li	2016-06-02	69e9de71	public	SEER Limited-Use cancer incidence data with associated pop	https://opendatacommons.org/licenses/odbl/1.0	National Cancer Institute (NCI), National Institutes of Health (NIH)	admin
QuitNowTXT Text Messaging Library	2016-05-02	c90f280f	public	Overview: The QuitNowTXT text messaging program is desig	https://opendatacommons.org/licenses/odbl/1.0	National Cancer Institute (NCI), National Institutes of Health (NIH)	admin
Chemical Effects in Biological Systems (CEBS)	2019-07-10	008be0ee	public	The Chemical Effects in Biological Systems database (CEBS)	https://opendatacommons.org/licenses/odbl/1.0	National Institute of Environmental Health Sciences (NIEHS)	Fostel, Jennifer
Drug Facts Chat Day	2016-06-02	0c7a1b41	public	Transcript of 2010 Drug Facts Chat Day.	https://opendatacommons.org/licenses/odbl/1.0	National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH)	admin
NIDA Drug Use Screening Tool API	2018-11-20	9ec7268f	public	This Web-based interactive tool provides clinicians with a si	https://opendatacommons.org/licenses/odbl/1.0	National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH)	admin
AphasiaBank	2018-07-18	0e0c56dc	public	AphasiaBank is a shared database of multimedia interaction	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	COOPER, JUDITH
BEI Resource Repository	2018-07-18	1f97b8dc	public	BEI Resources provides reagents, tools and information for t	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Yao, Alison
Biologic Specimen and Data Repository Information Coordinating Center (BioLINCC	2016-07-18	74fe56dd	public	The goal of BioLINCC is to facilitate and coordinate the exist	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Wagner, Elizabeth
Biological General Repository for Interaction Datasets (BioGRID)	2018-11-21	2778bc47	public	BioGRID is an online interaction repository with data on raw	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	WATSON, HAROLD I
Biospecimen Repository Access and Data Sharing (BRADS)	2016-07-18	77e6745c	public	BRADS is a repository for data and biospecimens from popul	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Songco, David
Cell Centered Database (CCDB)	2018-11-21	4368afec	public	The Cell Centered Database (CCDB) is a web accessible data	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	DEATHERAGE, JAME
Child Language Data Exchange System (CHILDES)	2016-07-18	85ac6b07	public	CHILDES is a system for sharing and analyzing conversationa	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	ALVAREZ, RUBEN P
DailyMed Webservices	2016-06-02	4a80e0e2e	public	The DailyMed RESTful API is a web service for accessing curr	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	admin
Database of Interacting Proteins (DIP)	2018-11-21	f064c6ba	public	The DIP database catalogs experimentally determined inter	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	BRADNIK, PAUL
dbSNP	2018-11-21	d6fe10ae	public	dbSNP is a database of single nucleotide polymorphisms (SP	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Phan, Lon
dbVar	2019-04-15	94317ad3	public	dbVar is a database of genomic structural variation. It accep	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Phan, Lon
Eukaryotic Pathogen Database Resources (EuPathDB)	2016-07-18	ac3f7bb4	public	EuPathDB Bioinformatics Resource Center for Biodefense ar	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Yao, Alison
EyeGENE	2016-07-15	9ad0b225	public	The eyeGENE® Biorepository and corresponding Database o	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	TUMMINIA, SANTA
Federal Interagency Traumatic Brain Injury Research (FITBIR) Informatics System	2018-11-21	d804bbbb	public	The Federal Interagency Traumatic Brain Injury Research (FI	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Bellagaun, Pat
FlyBase: A Drosophila Genomic and Genetic Database	2016-07-18	faf46179	public	Drosophila Genomic and Genetic database that includes pro	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	GOOD, PETER J.
GenBank	2018-11-21	81047c33	public	GenBank is the NIH genetic sequence database, an annotate	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Mizrachi, Ilene
Gene Expression Omnibus (GEO)	2018-11-21	03c4f32c	public	Gene Expression Omnibus is a public functional genomics d	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Barrett, Tanya
Immune Epitope Database and Analysis Resource (IEDB)	2016-07-18	7d86def5	public	This repository contains antibody/B cell and T cell epitope i	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Decklrut, Alison
Influenza Research Database (IRD)	2016-07-18	92714708	public	The Influenza Research Database (IRD) serves as a public re	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Yao, Alison
Integrating Data for Analysis, Anonymization, and Sharing (IDASH)	2016-07-18	a321d6f8	public	IDASH, the newest Common Fund National Center for Biome	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	WELLS, BARBARA J
Inter-university Consortium for Political and Social Research (ICPSR)	2018-11-21	d6ee40ec	public	ICPSR maintains a data archive of more than 500,000 files of	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Haaga, John
Licensing Opportunities for NIH, CDC & FDA Technologies	2016-05-02	caf1a232	public	This dataset represents all technologies available for licens	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Ajay Prabhu
MedlinePlus Connect for Electronic Health Record (EHR) Systems - Web Application	2016-05-02	f13aa02b	public	A Web application that allows patient portals and electronic	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	admin
MedlinePlus Connect for Electronic Health Record (EHR) Systems - Web Service	2016-05-02	94200b58	public	A Web service that allows patient portals and electronic hea	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	admin
MedlinePlus Health Topic Web Service	2016-05-02	de0c318c	public	A search-based Web service that provides access to disease,	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	admin
Metabolomics Workbench (MetWB)	2016-07-18	1f141111	public	The Metabolomics Program's Data Repository and Coordinat	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	MARUVADA, PADM
Mouse Genome Informatics (MGI)	2018-11-21	7d09c1bf	public	MGI is the international database resource for the laborator	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	DI FRANCESCO, VAL
Mouse Phenome Database (MPD)	2016-07-18	c1422c56	public	The Mouse Phenome Database (MPD) has characterizations	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	POLLOCK, JONATHA
Multiparameter Intelligent Monitoring in Intensive Care II (MIMIC-II)	2016-07-18	94d4b2fd	public	The objective of this Bioengineering Research Partnership	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	FAI, VINAY MANJUN
Nanomaterial Registry	2016-07-18	d74ea457	public	By leveraging and developing a set of Minimal Information r	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	FAI, VINAY MANJUN
National Addiction & HIV Data Archive Program (NAHDAP)	2016-07-18	d2079e61	public	NAHDAP acquires, preserves and disseminates data relevan	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Etz, Kathy
National Database for Autism Research (NDAR)	2018-11-21	47fd80dc	public	National Database for Autism Research (NDAR) is an extensi	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Farber, Greg
National Database for Clinical Trials Related to Mental Illness (NDCT)	2018-11-21	ed15583e	public	The National Database for Clinical Trials Related to Mental I	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Farber, Greg
National Epidemiologic Survey on Alcohol and Related Conditions (NESARC)—Wave	2019-04-15	ff29c1d0	public	National Epidemiologic Survey on Alcohol and Related Cond	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	NIAAA Information
NeuroMorpho	2016-07-18	95a462df	public	NeuroMorpho.Org is a centrally curated inventory of digital	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	GINATT, JAMES W
NIDA Center on Genetics Studies	2016-07-18	2e9312af	public	Blood and other biospecimens along with phenotypic data c	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	POLLOCK, JONATHA
NIDDK Central Repository	2016-07-18	a96250c9	public	The NIDDK Central Repository stores biosamples, genetic ar	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Rasooly, Rebekah
NIDDK Information Network (DKNet)	2016-07-18	b8318e7e1	public	The NIDDK Information Network serves the needs of basic a	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Abraham, Kristin
NIMH Repository and Genomics Resources (RGR)	2018-11-21	4005be12	public	The NIMH Repository and Genomics Resource (RGR) stores t	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Senthil, Geetha
Nuclear Receptor Signaling Atlas (NURSA)	2016-07-18	ff71e3c1	public	The Nuclear Receptor Signaling Atlas (NURSA) is designed t	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	HYDE, JAMES F
Parkinson's Disease Biomarkers Program Data Management Resource (PDBP DMR)	2018-11-21	9047712a	public	The NINDS Parkinson's Disease (PD) Biomarkers Program (PD	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	SUTHERLAND, MARK
Pediatric MRI	2018-11-21	8abea208	public	The NIH Study of Normal Brain Development is a longitudin	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Ramsey, Judy
PeptideAtlas	2016-07-15	a6ef656e	public	PeptideAtlas is a multi-organism, publicly accessible compe	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	COULOMBE, JAMES I
PhenBank	2016-07-18	a1ed4fdf	public	PhenBank is an open database for the study of early phenot	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	ALVAREZ, RUBEN P
PhysioNet	2018-11-21	2f84e873	public	The PhysioNet Resource is intended to stimulate current re	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	RAVICHANDRAN, VE
Protein Data Bank (PDB)	2018-11-21	d9f3932a	public	The Protein Data Bank (PDB) archive is the single worldwide	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	PREUSCH, PETER
PubChem	2016-08-02	9d6e3e3	public	PubChem contains the chemical structures of small organic	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	admin
Rat Genome Database (RGD)	2016-07-18	c6c29d59	public	The Rat Genome Database (RGD) is a collaborative effort be	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	LUO, JAMES
RDoCdb	2018-11-21	951435a3	public	RDoCdb supports the Research Domain Criteria Initiative (R	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Farber, Greg
Sequence Read Archive (SRA)	2019-08-15	9b502aed	public	The Sequence Read Archive (SRA) stores raw sequencing da	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	O'Sullivan, Ch
Study of Women's Health Across the Nation (SWAN) Public Use Data	2016-06-02	fc81479	restricte	The SWAN Public Use Datasets provide access to longitudinc	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Alicia Colvin Greene
The Cardiovascular Research Grid (CVRG)	2016-07-18	5d045d7f	public	The CardioVascular Research Grid (CVRG) project is creating	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	MILLER, MARISSA A
The Immunology Database and Analysis Portal (ImmPort)	2016-07-18	615a68a2	public	The ImmPort system serves as a long-term, sustainable arch	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Lin, Dawei
The National Institute on Aging Genetics of Alzheimer's Disease Data Storage Site (	2016-07-15	a58ab7e1	public	The National Institute on Aging Genetics of Alzheimer's Dise	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Miller, Marilyn
The Universal Protein Resource (UniProt)	2016-07-18	6313d62f	public	The Universal Protein Resource (UniProt) is a comprehensiv	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	PILLAI, AJAY
The Zebrafish Model Organism Database (ZFIN)	2016-07-18	94570c41	public	ZFIN serves as the zebrafish model organism database. It ar	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	GOOD, PETER J.
Transporter Classification Database (TCDB)	2018-11-21	25c28438	public	The Transporter Classification Database details a comprehe	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	RAVICHANDRAN, VE
TrialShare	2016-07-18	c9b5d424	public	The immune tolerance data management and visualization p	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Lin, Dawei
VectorBase	2016-07-18	5685f2b3	public	VectorBase is a Bioinformatics Resource Center for invertebr	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	Yao, Alison
Wormbase	2016-07-18	0d8398dc	public	Wormbase is an international consortium of biologists and c	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	GOOD, PETER J.
Xenbase	2016-07-18	a4c4f495	public	Xenbase is a Xenopus laevis and Xenopus tropicalis biology	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH)	COULOMBE, JAMES I
AIDS Info	2016-05-02	1011ab51	public	Aids Info	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	admin
Cooperative Research and Development Agreement (CRADA) Opportunities from N	2016-05-02	8bbc362f	public	This RSS Feed represents all Collaborative Research and Dev	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	admin
Health Information National Trends Survey (HINTS)	2016-05-02	e070c4c9	public	The Health Information National Trends Survey (HINTS) is a	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	NCI HINTS
Nanomaterial Registry	2016-05-02	9e32173a	public	The Nanomaterial Registry compiles data from multiple data	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	admin
National Epidemiologic Survey on Alcohol and Related Conditions (NESARC) - III	2016-05-02	195ce2ff	public	The National Epidemiologic Survey on Alcohol and Related C	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	NIAAA Information
Neuroimaging Informatics Tools and Resources Clearinghouse (NITRC)	2015-05-02	ec022bf2	public	The Neuroimaging Informatics Tools and Resources Clearing	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	NITRC Info
NIH Data Sharing Repositories	2016-05-02	d98d57fc	public	A list of NIH-supported repositories that accept submission	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	admin
NIH Exported Research Portfolio Online Reporting Tools: Expenditures and Results	2016-09-02	3788d8f1	public	Research projects funded by the National Institutes of Healt	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	admin
NIH Exported Research Portfolio Online Reporting Tools: Expenditures and Results	2015-05-02	84dbd285	public	Research projects funded by the National Institutes of Healt	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	admin
Products developed using NIH and FDA inventions	2016-05-02	b0bb928f	public	This dataset represents a subset of the products developed	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	admin
RadLex	2016-05-02	b14e08f8	public	RadLex is a controlled terminology for radiology and serves	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	admin
The Panel Study of Income Dynamics (PSID)	2015-05-02	b2a0bdee	public	The Panel Study of Income Dynamics (PSID) began in 1968 w	https://opendatacommons.org/licenses/odbl/1.0	National Institutes of Health (NIH), Department of Health & Human Services	Panel Study of Incor
AccessGUDID	2016-09-16	20e9661d	public	The Global Unique Device Identification Database (GUDID) contains key device identification information subm	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Basic Local Alignment Search Tool (BLAST)	2016-09-16	7fabb051	public	BLAST finds regions of similarity between biological sequences. The program compares nucleotide or protein s	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Help Desk
BioProject	2018-11-21	e1be5669	public	The BioProject database provides an organizational framework to access information about research projects a	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Help Desk
BioSample	2018-11-21	9d30649f	public	The BioSample database contains descriptions of biological source materials used in experimental assays.	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Help Desk
Biosystems	2018-11-21	6f54f880	public	The NCBI BioSystems Database provides integrated access to biological systems and their component genes, pr	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Help Desk
Chemical Carcinogenesis Research Information System (CCRIS)	2018-11-21	940fc03d	public	The CCRIS database contains chemical records with carcinogenicity, mutagenicity, tumor promotion, and tumor	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
ChemIDplus	2018-11-21	4c75ba09	public	Chemical database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus ex	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
ChemSpell Web Service API	2016-08-16	b83e8356	public	The ChemSpell Web Service API provides chemical name spell-checking and chemical name synonym look-up.	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
ClinicalTrials.gov	2016-09-16	a3190715	public	Provides patients, family members, health care professionals, and members of the public easy access to inform	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
ClinVar	2018-11-21	ba6322e9	public	ClinVar aggregates information about genomic variation and its relationship to human health.	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Customer Servi
Conserved Domain Database (CDD)	2018-11-21	28bc5502	public	CDD is a protein annotation resource that consists of a collection of well-annotated multiple sequence alignme	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Help Desk
DailyMed	2016-09-16	d33828af	public	DailyMed provides high quality information about marketed drugs. This information includes FDA labels (packa	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Developmental and Reproductive Toxicology Database (DART)	2016-09-16	2a9ce182	public	A bibliographic database on the National Library of Medicine's (NLM) Toxicology Data Network (TOXNET) with r	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Drug Interaction API	2018-11-21	64017307	public	The Interaction API is a web service for accessing drug-drug interactions. No license is needed to use the Intera	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Drugs and Lactation Database (LactMed)	2016-09-16	507a7a02	public	A peer-reviewed and fully referenced database of drugs to which breastfeeding mothers may be exposed. Arti	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Entrez Programming Utilities	2016-09-16	1bec34af	public	The Entrez Programming Utilities (E-utilities) are a set of eight server-side programs that provide a stable inter	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Customer Servi
Gene	2018-11-21	b6845efc	public	Gene integrates information from a wide range of species. A record may include nomenclature, Reference Seq	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Help Desk
Genetics Home Reference	2018-11-30	8646ad11	public	The National Library of Medicine's web site for consumer information about genetic conditions and the genes r	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
GenPept	2018-11-21	3dbe0f86	public	The protein sequences corresponding to the translations of coding sequences (CDS) in GenBank collected for e	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Help Desk
Hazardous Substances Data Bank (HSDB)	2016-09-16	40cc2ecf	public	Comprehensive, peer-reviewed toxicology data for about 5,000 chemicals. The data bank focuses on the toxico	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Haz-Map	2018-11-20	92501291	public	Haz-Map is an occupational health database designed for health and safety professionals and for consumers se	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Household Products Database	2016-09-16	3175375c	public	This database links over 4,000 consumer brands to health effects from Material Safety Data Sheets (MSDS) prov	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
IndexCat	2018-11-21	f969d80c	public	IndexCat provides access to the digitized version of the printed Index-Catalogue of the Library of the Surgeo	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Medical Subject Headings (MeSH)	2016-09-16	8a5bb66c	public	A hierarchically-organized subject terminology for indexing and cataloging of biomedical information.	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
MedlinePlus	2018-11-21	e1f95af8	public	MedlinePlus is the National Institutes of Health's Web site for patients and their families and friends. Produces	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
MetaMap	2016-09-16	0170c15f	public	MetaMap is a highly configurable application developed by the Lister Hill National Center for Biomedical Com	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
National Drug File - Reference Terminology API	2016-09-16	e270b19f	public	The National Drug File - Reference Terminology (NDF-RT) is produced by the U.S. Department of Veterans Affai	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
National Library of Medicine Learning Resources Database	2018-11-21	ccfc516d	public	A database of tutorials and other learning resources produced by the National Library of Medicine.	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
NIH Common Data Elements Repository	2018-11-21	d5ddda8f	public	The CDEDissemmon has been designed to provide access to structured human ex	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
NLM Digital Collections	2018-11-21	606d5f72	public	The National Library of Medicine's (NLM) Digital Collections offers a search-based Web service that provides ac	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
NLM LocatorPlus	2018-11-20	2255cac9	public	LocatorPlus is an interface for searching the collections of the National Library of Medicine.	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Pillbox	2016-09-16	9d837126	public	The Pillbox website was developed to aid in the identification of unknown pills (oral solid dosage form medica	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Profiles in Science	2018-11-21	7b516ae4	public	This site celebrates twentieth-century leaders in biomedical research and public health. It makes the archival c	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
PubChem Power User Gateway (PUG)	2016-09-16	4257139c	public	PUG provides access to PubChem services via a programmatic interface. Users may download data, initiate che	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NCBI Help Desk
PubMed	2016-09-30	563ad15e	public	PubMed comprises more than 26 million citations for biomedical literature from MEDLINE, life science journals	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
RxClass	2018-11-21	5456c9c8	public	The RxClass Browser is a web application for exploring and navigating through the class hierarchies to find the r	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
RxNorm	2016-09-16	ad22c4fe	public	RxNorm provides normalized names for clinical drugs and links its names to many of the drug vocabularies com	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
RxTerms	2016-09-16	d9b56470	public	RxTerms is a drug interface terminology derived from RxNorm for prescription writing or medication history re	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Semantic Knowledge Representation (SKR) API	2016-09-16	f0439c76	public	The SKR Project was initiated at NLM in order to develop programs to provide usable semantic representation	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
TOXMAP®: Environmental Health Maps	2016-08-16	18f1b9d5	public	TOXMAP® is a Geographic Information System (GIS) that uses maps of the United States and Canada to help use	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM TEHIP
TOXNET	2016-08-15	5142d2f0	public	A cluster of databases on toxicology, hazardous chemicals, and related areas.	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Unified Medical Language System (UMLS)	2018-11-21	72341f6c	public	The UMLS integrates and distributes key terminology, classification and coding standards, and associated resou	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi
Unified Medical Language System Terminology Services (UTS) API	2016-08-19	2653041f	public	The UTS API is intended for application developers to perform Web service calls and retrieve UMLS data within	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	Steven Emrick
Value Set Authority Center	2018-11-21	bf516c5f	public	The VSAC provides downloadable access to all official versions of vocabulary value sets contained in the 2016 C	https://opendatacommons.org/licenses/odbl/1.0	National Library of Medicine (NLM)	NLM Customer Servi

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
NLM	ClinicalTrials.gov	ClinicalTrials.gov is a registry and results database of publicly and privately supported clinical studies of human participants conducted around the world.	How to submit data to ClinicalTrials.gov	How to access ClinicalTrials.gov data	Yes
NLM	database of Genotypes and Phenotypes (dbGaP)	The database of Genotypes and Phenotypes (dbGaP) was developed to archive and distribute the data and results from studies that have investigated the interaction of genotype and phenotype in Humans.	How to submit data to dbGaP	How to access dbGaP data	No
NLM	dbSNP	dbSNP is a general public archive of all short sequence variation, not just single nucleotide substitutions that occur frequently enough in a population to be termed polymorphic, but also rare variants, including those with clinical assertions in ClinVar. dbSNP includes a broad collection of simple genetic variations such as single-base nucleotide substitutions, small-scale multi-base deletions or insertions, and microsatellite repeats.	How to submit data to dbSNP	How to access dbSNP data	Yes
NLM	dbVar	dbVar is a NCBI database of genomic structural variation.	How to submit data to dbVar	How to access dbVar data	Yes
NLM	GenBank	GenBank is the NIH genetic sequence database, an annotated collection of all publicly available	How to submit data to GenBank	How to access GenBank data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		DNA sequences. GenBank is designed to provide and encourage access within the scientific community to the most up to date and comprehensive DNA sequence information.			
NLM	Gene Expression Omnibus (GEO)	Gene Expression Omnibus is a public functional genomics data repository supporting MIAME-compliant submissions of array- and sequence-based data. Tools are provided to help users query and download experiments and curated gene expression profiles.	How to submit data to GEO	How to access GEO data	Yes
NLM	PubChem	PubChem provides information on the biological activities of small molecules. PubChem is organized as three linked databases (bioassay, compound, and substance data) within the NCBI's Entrez information retrieval system.	How to submit data to PubChem	How to access PubChem data	Yes
NLM	Sequence Read Archive (SRA)	The SRA is NIH's primary archive of high-throughput sequencing data and is part of the International Nucleotide Sequence Database Collaboration (INSDC) that includes at the NCBI Sequence Read Archive (SRA), the European Bioinformatics Institute (EBI), and the DNA Database of Japan (DDBJ). Data submitted to any of the three organizations are shared among them.	How to submit data to SRA	How to access SRA data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
NINDS	Federal Interagency Traumatic Brain Injury Research (FITBIR) Informatics System	The Federal Interagency Traumatic Brain Injury Research (FITBIR) informatics system was developed to share data across the entire TBI research field and to facilitate collaboration between laboratories, as well as interconnectivity with other informatics platforms. Sharing data, methodologies, and associated tools, rather than summaries or interpretations of this information, can accelerate research progress by allowing re-analysis of data, as well as re-aggregation, integration, and rigorous comparison with other data, tools, and methods. This community-wide sharing requires common data definitions and standards, as well as comprehensive and coherent informatics approaches.	How to submit data to FITBIR	How to access FITBIR data	Yes
NINDS	NeuroMorpho.org	NeuroMorpho.Org is a centrally curated inventory of digitally reconstructed neurons associated with peer-reviewed publications. It contains contributions from over 400 laboratories worldwide and is continuously updated as new morphological reconstructions are collected, published, and shared. To date, NeuroMorpho.Org is the largest collection of publicly accessible 3D neuronal reconstructions and associated metadata.	How to submit data to NeuroMorpho	How to access NeuroMorpho data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		The goal of NeuroMorpho.Org is to provide dense coverage of available reconstruction data for the neuroscience community. Data sharing through NeuroMorpho.Org enables the full and continuing research potential of existing digital reconstruction data.			
NINDS	Parkinson's Disease Biomarkers Program Data Management Resource (PDBP DMR)	The NINDS Parkinson's Disease (PD) Biomarkers Program Data Management Resource enables web-based data entry for clinical studies supporting PD biomarker development, as well as broad data sharing (imaging, clinical, genetic, and biospecimen analysis) across the entire PD research community. The PDBP DMR coordinates information and access to PD biospecimens distributed through the NINDS Human Genetics, DNA, iPSC , Cell Line and Biospecimen Repository and the Harvard Neurodiscovery Initiative.	How to submit data to PDBP DMR	How to access PDBP DMR data	
NINDS	The NINDS Human Cell and Data Repository (NHCDR)	Cell sources currently include fibroblasts and/or induced pluripotent stem cells for Alzheimer's Disease, Amyotrophic Lateral Sclerosis (ALS), Ataxia-telangiectasia, Frontotemporal Lobar Degeneration (FTD), Huntington's Disease,	How to submit data to NHCDR	How to access NHCDR data	

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		Parkinson's Disease, and healthy controls. Cell sources, including isogenic cell lines for current and new diseases covered by the NINDS will be added over the next several years.			
NIMH	NIMH Data Archive	The National Institute of Mental Health Data Archive (NDA) makes available human subjects data collected from hundreds of research projects across many scientific domains. The NDA provides infrastructure for sharing research data, tools, methods, and analyses enabling collaborative science and discovery. De-identified human subjects data, harmonized to a common standard, are available to qualified researchers. Summary data is available to all.	How to submit data to the NIMH Data Archive	How to access NIMH Data Archive data	Yes
NIMH	NIMH Repository and Genomics Resources (NRGR)	The NIMH Repository and Genomics Resource (NRGR) is the largest biorepository supporting genomics in psychiatry, providing access to biomaterials (DNA, plasma, RNA, lymphoblastoid cell lines, induced pluripotent stem cells, etc.) and phenotypic data collected from nearly 200,000 well-characterized, high-quality control and patient samples from a wide-range of mental illnesses across ancestrally diverse populations. The NRGR also provides	How to submit data to NRGR	How to access NRGR data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		access to some genomic data sets, including some which do not have biosamples available in the repository, such as data sets generated by the Psychiatric Genomics Consortium, the CommonMind Consortium, and the PsychENCODE consoritum.			
NIMH	OpenfMRI	The OpenfMRI database is a curated public repository of human and non-human brain imaging data collected using MRI technique (potentially with additional PET, EEG and MEG data). No registration or license agreement is required to obtain the data, which is distributed, by default, using a Public Domain license. This is possible because data are anonymized before distribution to protect the confidentiality of participants.	How to submit data to OpenfMRI	How to access OpenfMRI data	Yes
NIH (NIA, NICHD, NIDA)	Inter-university Consortium for Political and Social Research (ICPSR)	ICPSR provides leadership and training in data access, curation, and methods of analysis for the social science research community. ICPSR maintains a data archive of more than 250,000 files of research in the social and behavioral sciences. ICPSR collaborates with a number of funders, including U.S. statistical agencies and foundations, to create thematic data collections	How to submit data to ICPSR	How to access ICPSR data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		and data stewardship and research projects. NICHD (DSDR), NIA (NACDA), and NIDA (NAHDAP) currently support specialty archives that use the ICPSR infrastructure.			
NIH	Biological General Repository for Interaction Datasets (BioGRID)	BioGRID is a curated biological database of protein-protein interactions, genetic interactions, chemical interactions, and post-translational modifications from major model organism species. All interaction data are freely provided through our search index and available via download in a wide variety of standardized formats.	How to submit data to BioGRID	How to access BioGRID data	Yes
NIGMS (NCI, NSF, DOE-BER)	Protein Data Bank (PDB)	The mission of the RCSB Protein Data Bank (PDB) is to Sustain a unique data resource of three-dimensional biomolecular structure information.	How to submit data to PDB	How to access PDB data	Yes
NIGMS	Cell Image Library	The Cell Image Library, accepts image data sets that are too large for publishers to store, and provides access to the biomedical community. There are 10,000 datasets in 20TB of uploaded data as of mid-2018. The library inherits data from the Cell Centered Database at UCSD. Since its launch in 2010, the site has had 721,00 visitors and was cited by 175 research publications.	How to submit data to Cell Image Library	How to access Cell Image Library data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
NIGMS	Database of Interacting Proteins (DIP)	The DIP database, a founding member of the International Molecular Exchange Consortium (IMEx: https://www.imexconsortium.org), catalogs experimentally determined interactions between proteins. It combines information from a variety of sources to create a single, consistent set of protein-protein interactions. The data stored within the DIP database are manually curated and include, when available, detailed information on the interacting regions, mutations and post-translational modifications that affect each interaction.	How to submit data to DIP	How to access DIP data	Yes
NIGMS	PhysioNet	The PhysioNet Resource is intended to stimulate current research and new investigations in the study of complex biomedical and physiologic signals. It offers free web access to large collections of recorded physiologic signals (PhysioBank) and related open-source software (PhysioToolkit).	How to submit data to PhysioNet	How to access PhysioNet data	Yes
NIGMS	Transporter Classification Database (TCDB)	The Transporter Classification Database details a comprehensive classification system for membrane transport proteins known as the Transporter Classification (TC) system. The TC system is analogous to the Enzyme Commission (EC) system for classification of enzymes,	How to submit data to TCDB	How to access TCDB data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		except that it incorporates both functional and phylogenetic information. Descriptions, TC numbers, and examples of over 600 families of transport proteins are provided.			
NIEHS (Added 2019 to healthdata.gov-not in 2016 EDI)	Chemical Effects in Biological Systems (CEBS)	The CEBS database houses data of interest to environmental health scientists. CEBS is a public resource, and has received depositions of data from academic, industrial, and governmental laboratories. CEBS is designed to display data in the context of biology and study design, and permit data integration across studies for novel meta analysis.	How to submit data to CEBS	How to access CEBS data	Yes
NIDDK	NIDDK Central Repository	The NIDDK Central Repository stores biosamples, genetic and other data collected in designated NIDDK-funded clinical studies. The purpose of the NIDDK Central Repository is to expand the usefulness of these studies by allowing a wider research community to access data and materials beyond the end of the study.	How to submit data to NIDDK Central Repository	How to access NIDDK Central Repository data	Yes
NIDDK	NIDDK Information Network (DKnet)	The NIDDK Information Network serves the needs of basic and clinical investigators by providing seamless access to large pools of data relevant to the mission of NIDDK. The goal of DKnet is to develop a community-based network for integration across disciplines to	How to submit data to DKnet	How to access DKnet data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		include the larger DK universe of diseases, investigators, and potential users.			
NIDDK	Nuclear Receptor Signaling Atlas (NURSA)	The Nuclear Receptor Signaling Atlas (NURSA) is designed to foster the development of a comprehensive understanding of the structure, function, and role in disease of nuclear receptors (NRs) and coregulators. NURSA seeks to elucidate the roles played by NRs and coregulators in metabolism and the development of metabolic disorders (including type 2 diabetes, obesity, osteoporosis, and lipid dysregulation), as well as in cardiovascular disease, oncology, regenerative medicine and the effects of environmental agents on their actions.	How to submit data to NURSA	How to access NURSA data	Yes
NIDDK	The AMP-T2D Knowledge Portal	The AMP-T2D Knowledge Portal is the NIDDK-designated repository being developed as part of the Accelerating Medicines Partnership (AMP), a public-private partnership between the National Institutes of Health (NIH), the U.S. Food and Drug Administration (FDA), 10 biopharmaceutical companies, and multiple non-profit organizations that is managed through the Foundation for the NIH (FNIH) for collection of various types of molecular data	How to submit data to the AMP-T2D Knowledge Portal	How to access AMP-T2D Knowledge Portal data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		such as DNA sequences, functional and epigenomic information, and clinical data from studies on type 2 diabetes and its macro- and microvascular complications from human, cell-based and animal model biosamples, analytical results and research tools towards improving current efforts to develop new therapies for complex, heterogeneous diseases, including type 2 diabetes.			
NIDCD	AphasiaBank	AphasiaBank is a shared database of multimedia interactions for the study of communication in aphasia. Access to the data in AphasiaBank is password protected and restricted to members of the AphasiaBank consortium group.	How to submit data to AphasiaBank	How to access AphasiaBank data	Yes
NIDCD	FluencyBank	FluencyBank is a shared database for the study of the development of fluency in both normal and disordered populations. Participants include normally-developing monolingual and bilingual children, children with disfluencies (CWD), adults with disfluencies (AWSD), and second language learners.	How to submit data to FluencyBank	How to access FluencyBank data	Yes
NIDA	Mouse Phenome Database (MPD)	The Mouse Phenome Database (MPD) enables the integration of genomic and phenomic data by providing access to primary experimental data, well-documented data collection protocols	How to submit data to MPD	How to access MPD data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		and analysis tools. Data are contributed by investigators from around the world and represent a broad scope of behavioral, morphological and physiological disease-related characteristics in naive mice and those exposed to drugs, environmental agents or other treatments.			
NIDA	National Addiction & HIV Data Archive Program (NAHDAP)	NAHDAP acquires, preserves and disseminates data relevant to drug addiction and HIV research. By preserving and making available an easily accessible library of electronic data on drug addiction and HIV infection in the United States, NAHDAP offers scholars the opportunity to conduct secondary analysis on major issues of social and behavioral sciences and public policy.	How to submit data to NAHDAP	How to access NAHDAP data	Yes
NIDA	Neuroscience Information Framework (NIF)	Discovery Portal: An innovative semantically-enhanced search engine of the largest collection of neuroscience information that allows users to customize and refine their searches via NIF's terminologies. The NIF Registry: a core resource of NIF, is a catalog of electronic resources that have been selected by NIF curators, or contributed by the community, as valuable tools for researchers and students in the field of neuroscience.	How to submit data to NIF	How to access NIF data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		Date Sharing service: NIF maintains the largest searchable collection of neuroscience data, the largest catalog of biomedical resources, and the largest ontology for neuroscience on the web. NIF's already established and extensive infrastructure makes sharing your data easy. LinkOut Broker: NIF provides links between PubMed articles and your data when you register to the Data Federation through the LinkOut Broker. To enable this feature, your data must include PubMed IDs. Ontology Engineering: Expertise and experience in building and enhancing the main terminologies and ontologies.			
NIDA	NIDA Center for Genetics Studies	Blood and other biospecimens along with phenotypic data collected, archived and stored.	How to submit data to the NIDA Center for Genetics Studies	How to access NIDA Center for Genetics Studies data	Yes
NIDA	NIDA Data Share	The NIDA Data Share web site is an electronic environment that allows data from completed clinical trials to be distributed to investigators and the public in order to promote new research, encourage further analyses, and disseminate information to the community.	Data download only. Data is submitted through NIDA POC	How to access NIDA Data Share data	Yes
NICHD	Archive of Data	ADDEP provides access to data including a	How to submit	How to access	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
(NINDS, & NIBIB)	on Disability to Enable Policy (ADDEP)	wide range of topics related to disability. ADDEP data can be used to better understand and inform the implementation of the Americans with Disabilities Act and other disability policies.	data to ADDEP	ADDEP data	
NICHD	Biospecimen Repository Access and Data Sharing (BRADS)	The Division of Intramural Population Health Research (DIPHR) of the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) maintains an extensive repository of datasets from completed studies, including biospecimens and ancillary data.	Not applicable	How to access BRADS data	Yes
NICHD	Child Language Data Exchange System (CHILDES)	CHILDES is a system for sharing and analyzing conversational interactions.	How to submit data to CHILDES	How to access CHILDES data	Yes
NICHD	Data and Specimen Hub (DASH)	NICHD DASH is a centralized resource for researchers to store and access de-identified data from NICHD funded research studies for the purposes of secondary research use. It serves as a mechanism for NICHD-funded extramural and intramural investigators to share research data from studies in accordance with the NIH Data Sharing Policy and the NIH Genomic Data Sharing Policy.	How to submit data to DASH	How to access DASH data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
NICHD	Data Sharing for Demographic Research (DSDR)	DSDR is a data sharing project providing curation and archiving services for the demographic and population sciences community. It focuses on data collected through funding from the NICHD Population Dynamics Branch (PDB), but also provides these services for other data sets that fall within the scientific mission of PDB.	How to submit data to DSDR	How to access DSDR data	Yes
NICHD	National Children's Study (NCS) Archive	The NCS Archive, a data and sample repository for the National Children's Study, provides access to data and samples collected from over 5,600 U.S. birth families to study environmental influences on child health and development. Data and biological and environmental samples are freely available, with an approved request, for scientific research.	How to submit data to NCS	How to access NCS data	Yes
NICHD	PhonBank	PhonBank is an open database for the study of early phonological development using the Phon program.	How to submit data to PhonBank	How to access PhonBank data	Yes
NICHD	Xenbase	Xenbase is a Xenopus laevis and Xenopus tropicalis biology and genomics resource.	How to submit data to Xenbase	How to access Xenbase data	Yes
NIBIB (NIMH, NIDA)	NeuroImaging Tools and Resources	The NeuroImaging Tools and Resources Collaboratory (NITRC) provides free access to data and enables pay-per-use cloud-based access	How to submit data to NITRC	How to access NITRC data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
	Collaboratory (NITRC)	to unlimited computing power, enabling worldwide scientific collaboration with minimal startup and cost. With NITRC and its components—the Resources Registry (NITRC-R), Image Repository (NITRC-IR), and Computational Environment (NITRC-CE)—a researcher can obtain pilot or proof-of-concept data to validate a hypothesis for a few dollars.			
NIBIB	LONI Database	The LONI Image Data Archive (IDA) is a user-friendly environment for archiving, searching, sharing, tracking and disseminating neuroimaging and related clinical data. The IDA is utilized for dozens of neuroimaging research projects across North America and Europe and accommodates MRI, PET, MRA, DTI and other imaging modalities.	How to submit data to LONI [PDF]	How to access LONI data [PDF]	Yes
NIBIB (MIMIC II in both healthdata and HHS EDI)	Medical Information Mart for Intensive Care-III (MIMIC-III)	MIMIC-III is a large, freely-available database comprising deidentified health-related data associated with over forty thousand patients who stayed in critical care units of the Beth Israel Deaconess Medical Center between 2001 and 2012. The database includes information such as demographics, vital sign measurements made at the bedside (~1 data point per hour), laboratory test results, procedures, medications, caregiver	How to submit data of MIMIC-III	How to access MIMIC-III data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		notes, imaging reports, and mortality (both in and out of hospital). MIMIC-III supports a diverse range of analytic studies spanning epidemiology, clinical decision-rule improvement, and electronic tool development.			
NIAID	Eukaryotic Pathogen Database Resources (EuPathDB)	EuPathDB Bioinformatics Resource Center for Biodefense and Emerging/Re-emerging Infectious Diseases is a portal for accessing genomic-scale datasets associated with the eukaryotic pathogens.	How to submit data to EuPathDB	How to access EuPathDB data	Yes
NIAID	Immune Epitope Database and Analysis Resource (IEDB)	This repository contains antibody/B cell and T cell epitope information and epitope prediction and analysis tools for use by the research community worldwide. Immune epitopes are defined as molecular structures recognized by specific antigen receptors of the immune system, namely antibodies, B cell receptors, and T cell receptors. Immune epitopes from infectious diseases, excluding HIV, and immune-mediated diseases and the accompanying biological information are included.	How to submit data to IEDB	How to access IEDB data	Yes
NIAID	Influenza Research Database (IRD)	The Influenza Research Database (IRD) serves as a public repository and analysis platform for flu sequence, experiment, surveillance and related data.	How to submit data to IRD	How to access IRD data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
NIAID	ITN TrialShare	TrialShare is a transformative approach to data-sharing that enables clinical trial transparency. TrialShare provides clinical trial investigators the unprecedented ability to access de-identified study data, review published analysis methods, and perform real-time, interactive graphical analyses in collaboration with other researchers. Immune Tolerance Network (ITN) TrialShare shares information about ITN's clinical studies and specimen bio-repository. Data and analysis code underlying ITN-published manuscripts are publicly available with the goal of promoting transparency, reproducibility, and scientific collaboration.	How to submit data to TrialShare	How to access TrialShare data	Yes
NIAID	Pathosystems Resource Integration Center (PATRIC)	PATRIC, the Bacterial Bioinformatics Resource Center, supports research on bacterial infectious diseases by serving as a repository of genomic and other data with associated metadata for over 100,000 bacterial genomes. PATRIC provides an integrated suite of computational services and visualizations for users to analyze and compare their own data in a private workspace with the public data in PATRIC.	How to submit data to PATRIC	How to access PATRIC data	Yes
NIAID	The Immunology Database and	ImmPort is a public data sharing repository funded by DAIT. The data sources are primarily	How to submit data to ImmPort	How to access ImmPort data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
	Analysis Portal (ImmPort)	DAIT-funded clinical trials, associated mechanistic studies, and other basic and applied immunology research programs.			
NIAID	VectorBase	VectorBase is a Bioinformatics Resource Center for invertebrate vectors. It is one of four Bioinformatics Resource Centers funded by NIAID to provide web-based resources to scientific community conducting basic and applied research on organisms considered potential agents of biowarfare or bioterrorism or causing emerging or re-emerging diseases.	How to submit data to VectorBase	How to access VectorBase data	Yes
NIAID	Virus Pathogen Research (ViPR)	The Virus Pathogen Resource (ViPR) provides a searchable public repository of genomic, proteomic and other important research data for more than 500,000 strains of pathogenic viruses along with a suite of tools for analyzing these data. Data can be shared, aggregated, analyzed using ViPR tools, and downloaded for local analysis.	How to submit data to ViPR	How to access ViPR data	Yes
NIA	AMP-AD Knowledge Portal	The AMP-AD Knowledge Portal is an NIH-designated repository and the distribution site for multi-omic data from human samples, cell-based and animal models, analysis results, analytical methodology and research tools generated by multiple National Institute of	How to submit data to AMP-AD Knowledge Portal	How to access AMP-AD Knowledge Portal data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		Aging supported Alezheimer's disease research programs and consortia . Data is available to qualified investigators as open or controlled access depending on the data type and data source.			
NIA	National Archive of Computerized Data on Aging (NACDA)	NACDA acquires and preserves data relevant to gerontological research, processing as needed to promote effective research use, disseminates them to researchers, and facilitates their use. By preserving and making available the largest library of electronic data on aging in the United States, NACDA offers opportunities for secondary analysis on major issues of scientific and policy relevance.	How to submit data to NACDA	How to access NACDA data	Yes
NIA	The National Institute on Aging Genetics of Alzheimer's Disease Data Storage Site (NIAGADS)	The National Institute on Aging Genetics of Alzheimer's Disease Data Storage Site (NIAGADS) is a national genetics data repository facilitating access to genotypic and phenotypic data for Alzheimer's disease (AD). Data include GWAS, whole genome (WGS) and whole exome (WES), expression, RNA Seq, and CHIP Seq analyses. Data for the Alzheimer's Disease Sequencing Project (ADSP) are available through a partnership with dbGaP (ADSP at dbGaP). Results are integrated and	How to submit data to NIAGADS	How to access NIAGADS data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		annotated in the searchable genomics database that also provides access to a variety of software packages, analytic pipelines, online resources, and web-based tools to facilitate analysis and interpretation of large-scale genomic data. Data are available as defined by the NIA Genomics of Alzheimer's Disease Sharing Policy and the NIH Genomics Data Sharing Policy. Investigators return secondary analysis data to the database in keeping with the NIAGADS Data Distribution Agreement.			
NHLBI	Biologic Specimen and Data Repository Information Coordinating Center (BioLINCC)	The goal of BioLINCC is to facilitate and coordinate the existing activities of the NHLBI Biorepository and the Data Repository and to expand their scope and usability to the scientific community through a single web-based user interface.	How to submit data to BioLINCC	How to access BioLINCC data	Yes
NHLBI	National Sleep Research Resource	The NSRR web platform enables sharing of physiological signals and clinical data elements from well-characterized, de-identified, research cohorts and clinical trials. Data queries across studies (data pooling) are possible for demographics and data variables with shared common data elements.	How to submit data to NSRR	How to access NSRR data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
NHLBI	Rat Genome Database (RGD)	The Rat Genome Database (RGD) was established in 1999 and is the premier site for genetic, genomic, phenotype, and disease data generated from rat research. In addition, it provides easy access to corresponding data for human and mouse, as well as multiple other models such as chinchilla and 13-lined ground squirrel, facilitating cross-species comparisons. RGD's comprehensive data and innovative software tools make it a valuable resource for researchers worldwide.	How to submit data to RGD	How to access RGD data	Yes
NHLBI	The Cardiovascular Research Grid (CVRG)	The CardioVascular Research Grid (CVRG) project is creating an infrastructure for secure seamless access to study data and analysis tools. CVRG tools are developed using the Software as a Service model, allowing users to access tools through their browser, thus eliminating the need to install and maintain complex software. The CVRG project is supported by the National Heart Lung & Blood Institute. The project is based at the Institute for Computational Medicine at the Johns Hopkins University, Department of Biomedical Informatics at Vanderbilt University Medical Center, The College of Computing and Informatics at UNC	No new data submission, but one could submit new tools.	How to access CVRG data	No

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		Charlotte, The Center for Comprehensive Informatics at Emory University, The College of Engineering and Applied Sciences at Stony Brook University, and the Computation Institute at The University of Chicago.			
NHGRI/NIGMS	The Universal Protein Resource (UniProt)	The Universal Protein Resource (UniProt) is a comprehensive resource for protein sequence and annotation data. The UniProt databases are the UniProt Knowledgebase (UniProtKB), the UniProt Reference Clusters (UniRef), and the UniProt Archive (UniParc).	How to submit data to UniProt	How to access UniProt data	Yes
NHGRI (NICHD, NCI)	Mouse Genome Informatics (MGI)	MGI is the international database resource for the laboratory mouse, providing integrated genetic, genomic, and biological data to facilitate the study of human health and disease.	How to submit data to MGI	How to access MGI data	Yes
NHGRI	FlyBase: A Drosophila Genomic and Genetic Database	Drosophila Genomic and Genetic database that includes proteomics data, microarrays and Tiling BAC's.	How to submit data to Flybase	How to access Flybase data	Yes
NHGRI	The Zebrafish Model Organism Database (ZFIN)	ZFIN serves as the zebrafish model organism database. It aims to: a) be the community database resource for the laboratory use of zebrafish, b) develop and support integrated	How to submit data to ZFIN	How to access ZFIN data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		zebrafish genetic, genomic and developmental information, c) maintain the definitive reference data sets of zebrafish research information, d) to link this information extensively to corresponding data in other model organism and human databases, e) facilitate the use of zebrafish as a model for human biology, and f) serve the needs of the research community.			
NHGRI	WormBase	WormBase is an international consortium of biologists and computer scientists dedicated to providing the research community with accurate, current, accessible information concerning the genetics, genomics and biology of C. elegans and related nematodes.	How to submit data to WormBase	How to access WormBase data	Yes
NEI	EyeGENE®	The eyeGENE® Biorepository and corresponding Database contain family history and clinical eye exam data from subjects enrolled in eyeGENE® Program coupled to clinical grade DNA samples. This data and samples are submitted by collaborators throughout the US and Canada and the data is available on a controlled access basis to researchers world-wide.	How to submit data to EyeGENE®	How to access EyeGENE® data	Yes
NEI	NEI Data Commons	The NEI Commons is a virtual infrastructure to enable sharing. The Commons portal provides a	Dependent on sub-project	How to access NEI Commons	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		platform for querying and accessing vision research data and tools for data processing and analysis. It is the central location for NEI generated clinical and basic research data available to the public.		data	
NCI (NHGRI, NIGMS)	PeptideAtlas	PeptideAtlas is a multi-organism, publicly accessible compendium of peptides identified in a large set of tandem mass spectrometry proteomics experiments. Mass spectrometer output files are collected for human, mouse, yeast, and several other organisms, and searched using the latest search engines and protein sequences.	How to submit data to PeptideAtlas	How to access Peptide Atlas data	No
NCI	Cancer Nanotechnology Laboratory (caNanoLab)	caNanoLab is a data sharing portal designed to facilitate information sharing in the biomedical nanotechnology research community to expedite and validate the use of nanotechnology in biomedicine. caNanoLab provides support for the annotation of nanomaterials with characterizations resulting from physico-chemical, in vitro, and in vivo assays and the sharing of these characterizations and associated nanotechnology protocols in a secure fashion.	How to submit data to caNanoLab	How to access caNanoLab data	Yes
NCI	The Cancer Imaging Archive	TCIA is a service which de-identifies and hosts a large archive of medical images of cancer	How to submit data to TCIA	How to access TCIA data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
	(TCIA)	accessible for public download. The data are organized as "Collections", typically patients related by a common disease (e.g. lung cancer), image modality (MRI, CT, etc) or research focus. DICOM is the primary file format used by TCIA for image storage. Supporting data related to the images such as patient outcomes, treatment details, genomics, pathology, and expert analyses are also provided when available.			
NCI	The Network Data Exchange (NDEx)	NDEx is an online commons where scientists can upload, share, and publicly distribute biological networks and pathway models. The NDEx Project maintains a web-accessible public server, a documentation website, provides seamless connectivity to Cytoscape as well as programmatic access using a variety of languages including Python and Java. NDEx users can easily create accounts or sign in using their Google credentials thanks to the supported open authentication (OAUTH2) method and mint DOIs for their networks to use in publications or include in other resources for long term access.	How to submit data to NDEx	How to access NDEx data	Yes
Common Fund	PROMIS	The Patient-Reported Outcomes Measurment	Project data only	How to access	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
(NCCIH, NCI, NHLBI, NIA, NIAMS, NIDA, NIDCD, NIDDK, NIMH, NINDS, NINR, & OD)		Informmation System (PROMIS) is a set of person-centered measures that evaluates and monitors physical, mental, and social health in adults and children.		PROMIS data	
Common Fund	Epigenomics	Epigenomic, 6 histone modification marks, DNAse I, DNA methylation, transcriptome for wide variety of cell types and tissues.	Not applicable	How to access Epigenomics data	No
Common Fund	exRNA Atlas	Includes exRNA profiles derived from various biofluids and conditions and currently stores data profiled from small RNA sequencing assays.	Not applicable	How to access exRNA Atlas data	Yes
Common Fund	GTEx	The Genotype-Tissue Expression (GTEx) project aims to provide to the scientific community a resource with which to study human gene expression and regulation and its relationship to genetic variation. This project will collect and analyze multiple human tissues from donors who are also densely genotyped, to assess genetic variation within their genomes. By analyzing global RNA expression within individual tissues and treating the expression levels of genes as quantitative traits, variations	Project data only	How to access GTEx data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		in gene expression that are highly correlated with genetic variation can be identified as expression quantitative trait loci, or eQTLs.			
Common Fund	HMP DACC	The HMP DACC is a common repository for diverse human microbiome datsets and minimum reporting standards for the Common Fund Human Microbiome Project (HMP).	Project data only	How to access HMP DACC data	No
Common Fund	Illuminating Druggable Genome	The goal of the Illuminating the Druggable Genome (IDG) program is to improve our understanding of the properties and functions of proteins that are currently unannotated within the three most commonly drug-targeted protein families: G-protein coupled receptors, ion channels, and protein kinases.	Project data only	How to access IDG data	Yes
Common Fund	International Mouse Phenotyping Consortium (IMPC)	Phenotype data on knockout mouse lines.	How to submit data to IMPC	How to access IMPC data	Yes
Common Fund	Kids First	The Common Fund's Gabriella Miller Kids First Pediatric Research Program (Kids First) is developing a large-scale data resource to help researchers uncover new insights into the biology of childhood cancer and structural birth	Project data only	How to access Kids First data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		defects, including the discovery of shared genetic pathways between these disorders. Childhood cancers and structural birth defects have profound, lifelong effects on patients and their families. The Kids First program will stimulate research in these areas and work towards providing a better understanding of how genetics plays a role in these conditions that will lead to early detection, therapeutic interventions, and toward more effective prevention.			
Common Fund	LINCS	The Library of Integrated Network-Based Cellular Signatures (LINCS) Program aims to create a network-based understanding of biology by cataloging changes in gene expression and other cellular processes that occur when cells are exposed to a variety of perturbing agents.	Project data only	How to access LINCS data	Yes
Common Fund	Metabolomics Workbench (MetWB)	The Metabolomics Program's Data Repository and Coordinating Center (DRCC), housed at the San Diego Supercomputer Center (SDSC), University of California, San Diego, has developed the Metabolomics Workbench. MetWB will serve as a national and international repository for metabolomics data and metadata and will provide analysis tools and access to metabolite standards, protocols,	How to submit data to MetWB	How to access MetWB data	Yes

NIH Data Sharing Repositories

ICO	Repository Name	Repository Description	Data Submission Policy	Access to Data	Current NIH funding support
		tutorials, training, and more.			
Common Fund	SOBC Measures Repository	The SOBC measures repository is the source for behavioral science measures that have been validated (or are in the process of being validated) in accordance with the SOBC Experimental Medicine Approach.	How to submit data to SOBC	How to access SOBC data	Yes

Showing 1 to 82 of 82 entries

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NIH Data Sharing Repositories

Missing

NDAR

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET
WASHINGTON, D.C. 20503

THE DIRECTOR

May 9, 2013

M-13-13

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Sylvia M. Burwell
Director

Steven VanRoekel
Federal Chief Information Officer

Todd Park
U.S. Chief Technology Officer

Dominic J. Mancini
Acting Administrator, Office of Information and Regulatory Affairs

SUBJECT: Open Data Policy—Managing Information as an Asset

Information is a valuable national resource and a strategic asset to the Federal Government, its partners, and the public. In order to ensure that the Federal Government is taking full advantage of its information resources, executive departments and agencies (hereafter referred to as "agencies") must manage information as an asset throughout its life cycle to promote openness and interoperability, and properly safeguard systems and information. Managing government information as an asset will increase operational efficiencies, reduce costs, improve services, support mission needs, safeguard personal information, and increase public access to valuable government information.

Making information resources accessible, discoverable, and usable by the public can help fuel entrepreneurship, innovation, and scientific discovery – all of which improve Americans' lives and contribute significantly to job creation. For example, decades ago, the Federal Government made both weather data and the Global Positioning System (GPS) freely available to anyone. Since then, American entrepreneurs and innovators have used these resources to create navigation systems, weather newscasts and warning systems, location-based applications, precision farming tools, and much more.

Pursuant to Executive Order of May 9, 2013, *Making Open and Machine Readable the New Default for Government Information*, this Memorandum establishes a framework to help institutionalize the principles of effective information management at each stage of the information's life cycle to promote interoperability and openness. Whether or not particular information can be made public, agencies can apply this framework to all information resources to promote efficiency and produce value.

Specifically, this Memorandum requires agencies to collect or create information in a way that supports downstream information processing and dissemination activities. This includes using machine-readable and open formats, data standards, and common core and extensible metadata for all new

information creation and collection efforts. It also includes agencies ensuring information stewardship through the use of open licenses and review of information for privacy, confidentiality, security, or other restrictions to release. Additionally, it involves agencies building or modernizing information systems in a way that maximizes interoperability and information accessibility, maintains internal and external data asset inventories, enhances information safeguards, and clarifies information management responsibilities.

The Federal Government has already made significant progress in improving its management of information resources to increase interoperability and openness. The President's Memorandum on *Transparency and Open Government*[1] instructed agencies to take specific actions to implement the principles of transparency, participation, and collaboration, and the Office of Management and Budget's (OMB) *Open Government Directive*[2] required agencies to expand access to information by making it available online in open formats. OMB has also developed policies to help agencies incorporate sound information practices, including OMB Circular A-130[3] and OMB Memorandum M-06-02.[4] In addition, the Federal Government launched Data.gov, an online platform designed to increase access to Federal datasets. The publication of thousands of data assets through Data.gov has enabled the development of numerous products and services that benefit the public.

To help build on these efforts, the President issued a Memorandum on May 23, 2012 entitled *Building a 21st Century Digital Government*[5] that charged the Federal Chief Information Officer (CIO) with developing and implementing a comprehensive government-wide strategy to deliver better digital services to the American people. The resulting *Digital Government Strategy*[6] outlined an information-centric approach to transform how the Federal Government builds and delivers digital services, and required OMB to develop guidance to increase the interoperability and openness of government information.

This Memorandum is designed to be consistent with existing requirements in the Paperwork Reduction Act,[7] the E-Government Act of 2002,[8] the Privacy Act of 1974,[9] the Federal Information Security Management Act of 2002 (FISMA),[10] the Confidential Information Protection and Statistical Efficiency Act of 2002 (CIPSEA),[11] the Freedom of Information Act,[12] the Information Quality Act,[13] the

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[1] President Barack Obama, Memorandum on Transparency and Open Government (Jan. 21, 2009), *available at* http://www.whitehouse.gov/the_press_office/TransparencyandOpenGovernment.

[2] OMB Memorandum M-10-06, *Open Government Directive* (Dec. 8, 2009), *available at* http://www.whitehouse.gov/sites/default/files/omb/assets/memoranda_2010/m10-06.pdf

[3] OMB Circular A-130, *available at* http://www.whitehouse.gov/omb/Circulars_a130_a130trans4/

[4] OMB Memorandum M-06-02, *Improving Public Access to and Dissemination of Government Information and Using the Federal Enterprise Architecture Data Reference Model* (Dec. 16, 2005), *available at* http://www.whitehouse.gov/sites/default/files/omb/memoranda/fy2006/m06-02.pdf

[5] President Barack Obama, Memorandum on Building a 21st Century Digital Government (May 23, 2012), *available at* http://www.whitehouse.gov/sites/default/files/uploads/2012digital_mem_rel.pdf

[6] Office of Management and Budget, *Digital Government: Building a 21st Century Platform to Better Serve the American People* (May 23, 2012), *available at* http://www.whitehouse.gov/sites/default/files/omb/egov/digital-government/digital-government-strategy.pdf

[7] 44 U.S.C. § 3501 *et seq.*

[8] Pub. L. No. 107-347, 116 Stat. 2899 (2002) (codified as 44 U.S.C. § 3501 note).

[9] 5 U.S.C. § 552a.

[10] 44 U.S.C. § 3541, *et seq.*

[11] Section 503(a), Pub. L. No. 107-347, 116 Stat. 2899 (2002) (codified as 44 U.S.C. § 3501 note); *see also* Implementation Guidance for Title V of the E-Government Act, Confidential Information Protection and Statistical Efficiency Act of 2002 (CIPSEA), *available at* http://www.whitehouse.gov/sites/default/files/omb/assets/omb/fedreg/2007/061507_cipsea_guidance.pdf

[12] 5 USC 552(a)(2).

Federal Records Act, [14] and existing OMB and Office of Science and Technology Policy (OSTP) guidance.

If agencies have any questions regarding this Memorandum, please direct them to OMB at datause@omb.eop.gov.

Attachment

[13] Pub. L. No. 106-554 (2000) (codified at 44 U.S.C. § 3504(d)(1) and 3516). *See also* OMB Memorandum M-12-18, *Managing Government Records Directive* (Aug. 24, 2012), *available at* http://www.whitehouse.gov/sites/default/files/omb/memoranda/2012/m-12-18.pdf.

[14] 44 U.S.C. Chapters 21, 22, 29, 31, and 33. *See also* 36 CFR Subchapter B - Records Management.

Attachment

This attachment provides definitions and implementation guidance for M-13-13, *Open Data Policy—Managing Information as an Asset*.

I. Definitions:

Data: For the purposes of this Memorandum, the term "data" refers to all structured information, unless otherwise noted.[15]

Dataset: For the purposes of this Memorandum, the term "dataset" refers to a collection of data presented in tabular or non-tabular form.

Fair Information Practice Principles: The term "Fair Information Practice Principles" refers to the eight widely accepted principles for identifying and mitigating privacy impacts in information systems, programs and processes, delineated in the National Strategy for Trusted Identities in Cyberspace.[16]

Government information: As defined in OMB Circular A-130, "government information" means information created, collected, processed, disseminated, or disposed of, by or for the Federal Government.

Information: As defined in OMB Circular A-130, the term "information" means any communication or representation of knowledge such as facts, data, or opinions in any medium or form, including textual, numerical, graphic, cartographic, narrative, or audiovisual forms.

Information life cycle: As defined in OMB Circular A-130, the term "information life cycle" means the stages through which information passes, typically characterized as creation or collection, processing, dissemination, use, storage, and disposition.

Personally identifiable information: As defined in OMB Memorandum M-10-23,[17] "personally identifiable information" (PII) refers to information that can be used to distinguish or trace an individual's identity, either alone or when combined with other personal or identifying information that is linked or linkable to a specific individual. The definition of PII is not anchored to any single category of information or technology. Rather, it requires a case-by-case assessment of the specific risk that an individual can be identified. In performing this assessment, it is important for an agency to recognize that non-PII can become PII whenever additional information is made publicly available (in any medium and from any source) that, when combined with other available information, could be used to identify an individual.

Mosaic effect: The mosaic effect occurs when the information in an individual dataset, in isolation, may not pose a risk of identifying an individual (or threatening some other important interest such as security), but when combined with other available information, could pose such risk. Before disclosing potential PII or other potentially sensitive information, agencies must consider other publicly available data – in

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[15] *Structured* information is to be contrasted with *unstructured* information (commonly referred to as "content") such as press releases and fact sheets. As described in the *Digital Government Strategy*, content may be converted to a structured format and treated as data. For example, a web-based fact sheet may be broken into the following component data pieces: the title, body text, images, and related links.

[16] The White House, *National Strategy for Trusted Identities in Cyberspace* (April 2011), *available at* http://www.whitehouse.gov/sites/default/files/rss_viewer/NSTICstrategy_041511.pdf

[17] OMB Memorandum M-10-23, *Guidance for Agency Use of Third-Party Websites and Applications* (June 25, 2010), *available at* http://www.whitehouse.gov/sites/default/files/omb/assets/memoranda_2010/m10-23.pdf

any medium and from any source – to determine whether some combination of existing data and the data intended to be publicly released could allow for the identification of an individual or pose another security concern.

Open data: For the purposes of this Memorandum, the term "open data" refers to publicly available data structured in a way that enables the data to be fully discoverable and usable by end users. In general, open data will be consistent with the following principles:

- *Public.* Consistent with OMB's *Open Government Directive*, agencies must adopt a presumption in favor of openness to the extent permitted by law and subject to privacy, confidentiality, security, or other valid restrictions.

- *Accessible.* Open data are made available in convenient, modifiable, and open formats that can be retrieved, downloaded, indexed, and searched. Formats should be machine-readable (i.e., data are reasonably structured to allow automated processing). Open data structures do not discriminate against any person or group of persons and should be made available to the widest range of users for the widest range of purposes, often by providing the data in multiple formats for consumption. To the extent permitted by law, these formats should be non-proprietary, publicly available, and no restrictions should be placed upon their use.

- *Described.* Open data are described fully so that consumers of the data have sufficient information to understand their strengths, weaknesses, analytical limitations, security requirements, as well as how to process them. This involves the use of robust, granular metadata (i.e., fields or elements that describe data), thorough documentation of data elements, data dictionaries, and, if applicable, additional descriptions of the purpose of the collection, the population of interest, the characteristics of the sample, and the method of data collection.

- *Reusable.* Open data are made available under an open license that places no restrictions on their use.

- *Complete.* Open data are published in primary forms (i.e., as collected at the source), with the finest possible level of granularity that is practicable and permitted by law and other requirements. Derived or aggregate open data should also be published but must reference the primary data.

- *Timely.* Open data are made available as quickly as necessary to preserve the value of the data. Frequency of release should account for key audiences and downstream needs.

- *Managed Post-Release.* A point of contact must be designated to assist with data use and to respond to complaints about adherence to these open data requirements.

Project Open Data: "Project Open Data," a new OMB and OSTP resource, is an online repository of tools, best practices, and schema to help agencies adopt the framework presented in this guidance. Project Open Data can be accessed at http://project-open-data.github.io.[18] Project Open Data will evolve over time as a community resource to facilitate adoption of open data practices. The repository includes definitions, code, checklists, case studies, and more, and enables collaboration across the Federal Government, in partnership with public developers, as applicable. Agencies can visit Project Open Data for a more comprehensive glossary of terms related to open data.

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[18] Links to the best practices developed in Project Open Data referenced in this memorandum can be found through the directory on this main page.

II. Scope:

The requirements in part III, sections 1 and 2 of this Memorandum apply to all new information collection, creation, and system development efforts as well as major modernization projects that update or re-design existing information systems. National Security Systems, as defined in 40 U.S. C. 11103, are exempt from the requirements of this policy. The requirements in part III, section 3 apply to management of all datasets used in an agency's information systems. Agencies are also encouraged to improve the discoverability and usability of existing datasets by making them "open" using the methods outlined in this Memorandum, prioritizing those that have already been released to the public or otherwise deemed high-value or high-demand through engagement with customers (see part III, section 3.c). Agencies should exercise judgment before publicly distributing data residing in an existing system by weighing the value of openness against the cost of making those data public.

III. Policy Requirements:

Agencies management of information resources must begin at the earliest stages of the planning process, well before information is collected or created. Early strategic planning will allow the Federal Government to design systems and develop processes that unlock the full value of the information, and provide a foundation from which agencies can continue to manage information throughout its life cycle.

Agencies shall take the following actions to improve the management of information resources throughout the information's life cycle and reinforce the government's presumption in favor of openness:

1. **Collect or create information in a way that supports downstream information processing and dissemination activities** – Consistent with OMB Circular A-130, agencies must consider, at each stage of the information life cycle, the effects of decisions and actions on other stages of the life cycle. Accordingly, to the extent permitted by law, agencies must design new information collection and creation efforts so that the information collected or created supports downstream interoperability between information systems and dissemination of information to the public, as appropriate, without the need for costly retrofitting. This includes consideration and consultation of key target audiences for the information when determining format, frequency of update, and other information management decisions. Specifically, agencies must incorporate the following requirements into future information collection and creation efforts:

    a. **Use machine-readable and open formats**[19] – Agencies must use machine-readable and open formats for information as it is collected or created. While information should be collected electronically by default, machine-readable and open formats must be used in conjunction with both electronic and telephone or paper-based information collection efforts. Additionally, in consultation with the best practices found in Project Open Data and to the extent permitted by law, agencies should prioritize the use of open formats that are non-proprietary, publicly available, and that place no restrictions upon their use.

[19] The requirements of this subsection build upon existing requirements in OMB Statistical Policy Directives No. 1 and No. 2, *available at* http://www.whitehouse.gov/sites/default/files/omb/assets/omb/inforeg/directive1.pdf and http://www.whitehouse.gov/sites/default/files/omb/assets/omb/inforeg/directive2.pdf.

b. **Use data standards** – Consistent with existing policies relating to Federal agencies' use of standards[20] for information as it is collected or created, agencies must use standards in order to promote data interoperability and openness.

c. **Ensure information stewardship through the use of open licenses** – Agencies must apply open licenses, in consultation with the best practices found in Project Open Data, to information as it is collected or created so that if data are made public there are no restrictions on copying, publishing, distributing, transmitting, adapting, or otherwise using the information for non-commercial or for commercial purposes.[21] When information is acquired or accessed by an agency through performance of a contract, appropriate existing clauses[22] shall be utilized to meet these objectives while recognizing that contractors may have proprietary interests in such information, and that protection of such information may be necessary to encourage qualified contractors to participate in and apply innovative concepts to government programs.

d. **Use common core and extensible metadata** – Agencies must describe information using common core metadata, in consultation with the best practices found in Project Open Data, as it is collected and created. Metadata should also include information about origin, linked data, geographic location, time series continuations, data quality, and other relevant indices that reveal relationships between datasets and allow the public to determine the fitness of the data source. Agencies may expand upon the basic common metadata based on standards, specifications, or formats developed within different communities (e.g., financial, health, geospatial, law enforcement). Groups that develop and promulgate these metadata specifications must review them for compliance with the common core metadata standard, specifications, and formats.

2. **Build information systems to support interoperability and information accessibility** – Through their acquisition and technology management processes, agencies must build or modernize information systems in a way that maximizes interoperability and information accessibility, to the extent practicable and permitted by law. To this end, agencies should leverage existing Federal IT guidance, such as the *Common Approach to Federal Enterprise Architecture,*[23] when designing information systems. Agencies must exercise forethought when architecting, building, or substantially modifying an information system to facilitate public distribution, where appropriate. In addition, the agency's CIO must validate that the following minimum requirements have been incorporated into acquisition planning documents and technical design for all new information systems and those preparing for modernization, as appropriate:

   a. The system design must be scalable, flexible, and facilitate extraction of data in multiple formats and for a range of uses as internal and external needs change, including potential uses not accounted for in the original design. In general, this will involve the use of standards and specifications in the system design that promote industry best practices for information

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[20] *See* OMB Circular A-119, *available at* http://www.whitehouse.gov/omb/circulars_a119, and OMB Memorandum M-12-08, *Principles for Federal Engagement in Standards Activities to Address National Priorities* (Jan 27, 2012), *available at* http://www.whitehouse.gov/sites/default/files/omb/memoranda/2012/m-12-08.pdf

[21] If a data user augments or alters original information that is attributed to the Federal Government, the user is responsible for making clear the source and nature of that augmentation.

[22] *See* Federal Acquisition Regulation (FAR) Subpart 27.4—Rights in Data and Copyrights, *available at* https://acquisition.gov/far/current/html/Subpart%2027_4.html

[23] Office of Management and Budget, Common Approach to Federal Enterprise Architecture, *available at* http://www.whitehouse.gov/sites/default/files/omb/assets/egov_docs/common_approach_to_federal_ea.pdf

sharing, and separation of data from the application layer to maximize data reuse opportunities and incorporation of future application or technology capabilities, in consultation with the best practices found in Project Open Data;

b. All data outputs associated with the system must meet the requirements described in part III, sections 1.a-e of this Memorandum and be accounted for in the data inventory described in part III section 3.a; and

c. Data schema and dictionaries have been documented and shared with internal partners and the public, as applicable.

3. **Strengthen data management and release practices** – To ensure that agency data assets are managed and maintained throughout their life cycle, agencies must adopt effective data asset portfolio management approaches. Within six (6) months of the date of this Memorandum, agencies and interagency groups must review and, where appropriate, revise existing policies and procedures to strengthen their data management and release practices to ensure consistency with the requirements in this Memorandum, and take the following actions:

   a. **Create and maintain an enterprise data inventory** – Agencies must update their inventory of agency information resources (as required by OMB Circular A-130)[24] to include an enterprise data inventory, if it does not already exist, that accounts for datasets used in the agency's information systems. The inventory will be built out over time, with the ultimate goal of including all agency datasets, to the extent practicable. The inventory will indicate, as appropriate, if the agency has determined that the individual datasets may be made publicly available (i.e., release is permitted by law, subject to all privacy, confidentiality, security, and other valid requirements) and whether they are currently available to the public. The Senior Agency Official for Records Management should be consulted on integration with the records management process. Agencies should use the Data Reference Model from the Federal Enterprise Architecture[25] to help create and maintain their inventory. Agencies must describe datasets within the inventory using the common core and extensible metadata (see part III, section 1.e).

   b. **Create and maintain a public data listing** – Any datasets in the agency's enterprise data inventory that can be made publicly available must be listed at www.[agency].gov/data in a human- and machine-readable format that enables automatic aggregation by Data.gov and other services (known as "harvestable files"), to the extent practicable. This should include datasets that can be made publicly available but have not yet been released. This public data listing should also include, to the extent permitted by law and existing terms and conditions, datasets that were produced through agency-funded grants, contracts, and cooperative agreements (excluding any data submitted primarily for the purpose of contract monitoring and administration), and, where feasible, be accompanied by standard citation information, preferably in the form of a persistent identifier. The public data listing will be built out over time, with the ultimate goal of including all agency datasets that can be made publicly available. See Project Open Data for best practices, tools, and schema to implement the public data listing and harvestable files.

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[24] *See* OMB Circular A-130, section 8(b)(2)(a).

[25] Office of Management and Budget, Federal Enterprise Architecture (FEA) Reference Models, *available at* http://www.whitehouse.gov/omb/e-gov/fea

c. **Create a process to engage with customers to help facilitate and prioritize data release** – Agencies must create a process to engage with customers, through their www.[agency].gov/data pages and other necessary means, to solicit help in prioritizing the release of datasets and determining the most usable and appropriate formats for release.[26] Agencies should make data available in multiple formats according to their customer needs. For example, high-volume datasets of interest to developers should be released using bulk downloads as well as Application Programming Interfaces (APIs). In addition, customer engagement efforts should help agencies prioritize efforts to improve the discoverability and usability of datasets that have already been released to the public but are not yet fully "open" (e.g., they are only available in closed, inaccessible formats). See Project Open Data for best practices and tools that can be used to implement customer engagement efforts.

d. **Clarify roles and responsibilities for promoting efficient and effective data release practices** – Agencies must ensure that roles and responsibilities are clearly designated for the promotion of efficient and effective data release practices across the agency, and that proper authorities have been granted to execute on related responsibilities, including:

   i. Communicating the strategic value of open data to internal stakeholders and the public;
   ii. Ensuring that data released to the public are open (as defined in part I), as appropriate, and a point of contact is designated to assist open data use and to respond to complaints about adherence to open data requirements;
   iii. Engaging entrepreneurs and innovators in the private and nonprofit sectors to encourage and facilitate the use of agency data to build applications and services;
   iv. Working with agency components to scale best practices from bureaus and offices that excel in open data practices across the enterprise;
   v. Working with the agency's Senior Agency Official for Privacy (SAOP) or other relevant officials to ensure that privacy and confidentiality are fully protected; and
   vi. Working with the Chief Information Security Officer (CISO) and mission owners to assess overall organizational risk, based on the impact of releasing potentially sensitive data, and make a risk-based determination.

4. **Strengthen measures to ensure that privacy and confidentiality are fully protected and that data are properly secured** – Agencies must incorporate privacy analyses into each stage of the information's life cycle. In particular, agencies must review the information collected or created for valid restrictions to release to determine whether it can be made publicly available, consistent with the *Open Government Directive's* presumption in favor of openness, and to the extent permitted by law and subject to privacy, confidentiality pledge, security, trade secret, contractual, or other valid restrictions to release. If the agency determines that information should not be made publicly available on one of these grounds, the agency must document this determination in consultation with its Office of General Counsel or equivalent.

   As agencies consider whether or not information may be disclosed, they must also account for the "mosaic effect" of data aggregation. Agencies should note that the mosaic effect demands a risk-based

[26] OMB Statistical Policy Directives 3 and 4 describe the schedule and manner in which data produced by the principal statistical agencies will be released. Statistical Policy Directive No. 4: Release and Dissemination of Statistical Products Produced by Federal Statistical Agencies, *available at* http://www.whitehouse.gov/sites/default/files/omb/assets/omb/fedreg/2008/030708_directive-4.pdf; Statistical Policy Directive 3: Compilation, Release, and Evaluation of Principal Federal Economic Indicators, *available at* http://www.whitehouse.gov/sites/default/files/omb/assets/omb/inforeg/statpolicy/dir_3_fr_09251985.pdf

analysis, often utilizing statistical methods whose parameters can change over time, depending on the nature of the information, the availability of other information, and the technology in place that could facilitate the process of identification. Because of the complexity of this analysis and the scope of data involved, agencies may choose to take advantage of entities in the Executive Branch that may have relevant expertise, including the staff of Data.gov. Ultimately, it is the responsibility of each agency to perform the necessary analysis and comply with all applicable laws, regulations, and policies. In some cases, this assessment may affect the amount, type, form, and detail of data released by agencies.

As OMB has noted, "The individual's right to privacy must be protected in Federal Government information activities involving personal information."[27] As agencies consider security-related restrictions to release, they should focus on information confidentiality, integrity, and availability as part of the agency's overall risk management framework. They are required to incorporate the National Institute of Standards and Technology (NIST) Federal Information Processing Standard (FIPS) Publication 199 "Standards for Security Categorization of Federal Information and Information Systems," which includes guidance and definitions for confidentiality, integrity, and availability.[28] Agencies should also consult with the Controlled Unclassified Information (CUI) program to ensure compliance with CUI requirements,[29] the National Strategy for Information Sharing and Safeguarding,[30] and the best practices found in Project Open Data. In addition to complying with the Privacy Act of 1974, the E-Government Act of 2002, FISMA, and CIPSEA, agencies should implement information policies based upon Fair Information Practice Principles and NIST guidance on Security and Privacy Controls for Federal Information Systems and Organizations.[31] For example, agencies must:

a. Collect or create only that information necessary for the proper performance of agency functions and which has practical utility;[32]
b. Limit the collection or creation of information which identifies individuals to that which is legally authorized and necessary for the proper performance of agency functions;[33]
c. Limit the sharing of information that identifies individuals or contains proprietary information to that which is legally authorized, and impose appropriate conditions on use where a continuing obligation to ensure the confidentiality of the information exists;[34]
d. Ensure that information is protected commensurate with the risk and magnitude of the harm that would result from the loss, misuse, or unauthorized access to or modification of such information;[35] and
e. Take into account other publicly available information when determining whether particular information should be considered PII (as defined in part I of this Memorandum).

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[27] *See* OMB Circular A-130, *available at* http://www.whitehouse.gov/omb/Circulars_a130_a130trans4/

[28] NIST FIPS Publication 199 "Standards for Security Categorization of Federal Information and Information Systems", *available at* http://csrc.nist.gov/publications/fips/fips199/FIPS-PUB-199-final.pdf

[29] Executive Order 13556, Controlled Unclassified Information, *available at* http://www.whitehouse.gov/the-press-office/2010/11/04/executive-order-13556-controlled-unclassified-information.

[30] The White House, *National Strategy for Information Sharing and Safeguarding* (December 2011), *available at* http://www.whitehouse.gov/the-press-office/2012/12/19/national-strategy-information-sharing-and-safeguarding

[31] *See* NIST Special Publication 800-53 "Security and Privacy Controls for Federal Information Systems and Organizations", *available at* http://csrc.nist.gov/publications/drafts/800-53-rev4/sp800-53-rev4-ipd.pdf

[32] *See* OMB Circular A-130, section 8(a)(2).

[33] *See* OMB Circular A-130, section 8(a)(9)(b).

[34] *See* OMB Circular A-130, section 8(a)(9)(c).

[35] *See* OMB Circular A-130, section 8(a)(9)(a).

5. **Incorporate new interoperability and openness requirements into core agency processes –** Consistent with 44 U.S.C. 3506 (b)(2), agencies must develop and maintain an Information Resource Management (IRM) Strategic Plan. IRM Strategic Plans should align with the agency's Strategic Plan (as required by OMB Circular A-11),[36] support the attainment of agency priority goals as mandated by the Government Performance and Results Modernization Act of 2010,[37] provide a description of how IRM activities help accomplish agency missions, and ensure that IRM decisions are integrated with organizational planning, budget, procurement, financial management, human resources management, and program decisions. As part of the annual PortfolioStat process,[38] agencies must update their IRM Strategic Plans to describe how they are meeting new and existing information life cycle management requirements. Specifically, agencies must describe how they have institutionalized and operationalized the interoperability and openness requirements in this Memorandum into their core processes across all applicable agency programs and stakeholders.

IV. Implementation:

As agencies take steps to meet the requirements in this Memorandum, it is important to work strategically and prioritize those elements that can be addressed immediately, support mission-critical objectives, and result in more efficient use of taxpayer dollars.

Agencies should consider the following as they implement the requirements of this Memorandum:

1. **Roles and Responsibilities** – The Clinger-Cohen Act of 1996 assigns agency CIOs statutory responsibility for promoting the effective and efficient design and operation of all major IRM processes within their agency. Accordingly, agency heads must ensure that CIOs are positioned with the responsibility and authority to implement the requirements of this Memorandum in coordination with the agency's Chief Acquisition Officer, Chief Financial Officer, Chief Technology Officer, Senior Agency Official for Geospatial Information, Senior Agency Official for Privacy (SAOP), Chief Information Security Officer (CISO), Senior Agency Official for Records Management, and Chief Freedom of Information Act (FOIA) Officer. The CIO should also work with the agency's public affairs staff, open government staff, web manager or digital strategist, program owners and other leadership, as applicable.

   A key component of agencies' management of information resources involves working closely with the agency's SAOP and other relevant officials to ensure that each stage of the planning process includes a full analysis of privacy, confidentiality, and security issues. Agency heads must also ensure that privacy and security officials are positioned with the authority to identify information that may require additional protection and agency activities that may require additional safeguards. Consistent with OMB Memorandum M-05-08,[39] each agency's SAOP must take on a central planning and policy-making role in all agency information management activities, beginning at the earliest stages of planning and continuing throughout the life cycle of the information. In addition, if an agency's SAOP is not positioned within the office of the CIO, the agency should designate an official within the office of the CIO to serve as a liaison to help coordinate with the agency's privacy office.

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[36] OMB Circular A-11, *available at* http://www.whitehouse.gov/omb/circulars_a11_current_year_a11_toc

[37] Pub. L. No. 111-352 (2011) (codified as 31 USC § 1120 note).

[38] In March 2012 OMB established PortfolioStat accountability sessions, engaging directly with agency leadership to assess the maturity and effectiveness of current IT management practices and address management opportunities and challenges. For FY13 OMB PortfolioStat guidance, *see* OMB Memorandum M-13-09, *Fiscal Year 2013 PortfolioStat Guidance: Strengthening Federal IT Portfolio Management* (Mar. 27, 2013), *available at* http://www.whitehouse.gov/sites/default/files/omb/memoranda/2013/m-13-09.pdf.

[39] OMB Memorandum M-05-08, *Designation of Senior Agency Officials for Privacy* (Feb. 11, 2005), *available at* http://m.whitehouse.gov/sites/default/files/omb/assets/omb/memoranda/fy2005/m05-08.pdf

2. **Government-wide Coordination** – The Federal CIO will work with the United States Chief Technology Officer (CTO) and the Administrator of the OMB Office of Information and Regulatory Affairs (OIRA) to help improve the interoperability and openness of government information. To this end, the Federal CIO will work to establish an interagency working group supported by the Federal CIO Council. The working group should focus on leveraging government-wide communities of practice to help with the development of tools that support information interoperability and openness through repositories such as Project Open Data. Part of this work should be to share best practices related to interoperability and openness within government (e.g., Federal, state, local, and tribal). These collaborations shall be subject to statutory limitations and conducted in a way that fully protects privacy, confidentiality, confidential business information, and intellectual property rights.

3. **Resources** – Policy implementation may require upfront investments depending on the maturity of existing information life cycle management processes at individual agencies. Agencies are encouraged to evaluate current processes and identify implementation opportunities that may result in more efficient use of taxpayer dollars. However, effective implementation should result in downstream cost savings for the enterprise through increased interoperability and accessibility of the agency's information resources. Therefore, these potential upfront investments should be considered in the context of their future benefits and be funded appropriately through the agency's capital planning and budget processes. Some of the requirements in this Memorandum may require additional tools and resources. Agencies should make progress commensurate with available tools and resources.

   In addition, tools, best practices, and schema to help agencies implement the requirements of this Memorandum can be found through the Digital Services Innovation Center and in Project Open Data.

4. **Accountability Mechanisms** – Progress on agency implementation of the actions required in this Memorandum will be primarily assessed by OMB and the public through analysis of the agency's updates to IRM plans (part III, section 5), the completeness of the enterprise data inventory (part III, section 3.a), and the data made available in the agency's public data listing (part III, section 3.b).

   Nothing in this Memorandum shall be construed to affect existing requirements for review and clearance of pre-decisional information by OMB relating to legislative, budgetary, administrative, and regulatory materials. Moreover, nothing in this Memorandum shall be construed to reduce the protection of information whose release would threaten national security, invade personal privacy, breach confidentiality or contractual terms, violate the Trade Secrets Act,[40] violate other statutory confidentiality requirements,[41] or damage other compelling interests. This Memorandum is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

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[40] 18 USC § 1905.

[41] *See* 13 U.S.C. §§ 8, 9 and 301(g) and 22 U.S.C. § 3104.

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET
WASHINGTON, D.C. 20503

July 10, 2019

M-19-23

MEMORANDUM FOR HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Russell T. Vought
Acting Director

SUBJECT: Phase 1 Implementation of the Foundations for Evidence-Based Policymaking Act of 2018: Learning Agendas, Personnel, and Planning Guidance

Background

The *Foundations for Evidence-Based Policymaking Act of 2018* ("Evidence Act"),[1] signed into law on January 14, 2019, emphasizes collaboration and coordination to advance data and evidence-building functions in the Federal Government by statutorily mandating Federal evidence-building activities, open government data, and confidential information protection and statistical efficiency. Evidence is broadly defined and includes foundational fact finding, performance measurement, policy analysis, and program evaluation (see Appendix A).[2] In addition, the Evidence Act mandates a systematic rethinking of government data management to better facilitate access for evidence-building activities and public consumption.

Despite previous efforts and resource commitments, Federal agencies often lack the data and evidence necessary to make critical decisions about program operations, policy, and regulations, and to gain visibility into the impact of resource allocation on achieving program objectives. Investing in and focusing on the management and use of data and evidence across the Federal Government will enable agencies to shift away from low-value activities toward actions that will support decision makers: linking spending to program outputs, delivering on mission, better managing enterprise risks, and promoting civic engagement and transparency.

The Evidence Act builds on longstanding principles underlying Federal policies and data infrastructure investments supporting information quality, access, protection, and evidence

[1] Pub. L. No. 115-435, 132 Stat. 5529.

[2] Pursuant to the Evidence Act, "evidence" is defined as "information produced as a result of statistical activities conducted for a statistical purpose." *See* 44 U.S.C. § 3561(6). The term "statistical activities" means "the collection, compilation, processing, or analysis of data for the purpose of describing or making estimates concerning the whole, or relevant groups or components within, the economy, society, or the natural environment and . . . includes the development of methods or resources that support those activities, such as measurement methods, models, statistical classifications, or sampling frames." *See id.* § 3561(10). The term "statistical purpose" means "the description, estimation, or analysis of the characteristics of groups, without identifying the individuals or organizations that comprise such groups and . . . includes the development, implementation, or maintenance of methods, technical or administrative procedures, or information resources that support [those] purposes." *See id.* § 3561(12).

building and use.[3] While anchored on these principles, the Evidence Act creates a new paradigm by calling on agencies to significantly rethink how they currently plan and organize evidence-building, data management, and data access functions to ensure an integrated and direct connection to data and evidence needs. This paradigm requires engagement and cooperation from multiple actors within agencies (e.g., senior leadership, policy officials, program administrators, performance managers, strategic planners, budget staff, evaluators, analysts, front-line staff, and data professionals) and key external stakeholders. It accelerates, expands, and reinforces the implementation of many activities underway, including the Federal Data Strategy ("Strategy");[4] the government-wide reorganization proposals to strengthen Federal evaluation and reorganize the Census Bureau, Bureau of Labor Statistics, and Bureau of Economic Analysis to improve economic statistical data;[5] new monitoring and evaluation guidelines for agencies that administer foreign assistance;[6] new centralized mission support shared services and standards;[7] and ongoing open data policy related to open data laws like the DATA Act and Geospatial Data Act.[8]

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[3] *See, e.g.*, Treasury and General Government Appropriations Act, 2001, Pub. L. No. 106-554, § 515(a) (2000); Confidential Information Protection and Statistical Efficiency Act of 2002 ("CIPSEA"), Pub. L. No. 107-347, § 502(9)(A)); Data.gov, *available at* https://www.data.gov (first national data catalog, established in 2009); Exec. Order No. 13,642, Making Open and Machine Readable the New Default for Government Information, 78 FR 28111 (May 9, 2013), *available at* https://www.federalregister.gov/documents/2013/05/14/2013-11533/making-open-and-machine-readable-the-new-default-for-government-information; Guidelines for Ensuring and Maximizing the Quality, Objectivity, Utility, and Integrity of Information Disseminated by Federal Agencies, 67 FR 8452 (Feb. 22, 2002), *available at* https://www.federalregister.gov/documents/2002/02/22/R2-59/guidelines-for-ensuring-and-maximizing-the-quality-objectivity-utility-and-integrity-of-informat; Office of Mgm't & Budget, Exec. Office of the President, OMB M-13-13, Open Data Policy-Managing Information as an Asset (2013), *available at* https://www.whitehouse.gov/sites/whitehouse.gov/files/omb/memoranda/2013/m-13-13.pdf; Office of Mgm't & Budget, Exec. Office of the President, OMB M-13-17, Next Steps in the Evidence and Innovation Agenda (2013), *available at* https://www.whitehouse.gov/sites/whitehouse.gov/files/omb/memoranda/2013/m-13-17.pdf; Office of Mgm't & Budget, Exec. Office of the President, OMB M-14-06, Guidance for Providing and Using Administrative Data for Statistical Purposes (2014), *available at* https://www.whitehouse.gov/sites/whitehouse.gov/files/omb/memoranda/2014/m-14-06.pdf; and Office of Mgm't & Budget, Exec. Office of the President, Statistical Policy Directive No. 1: Fundamental Responsibilities of Federal Statistical Agencies and Recognized Statistical Units 79 FR 71610 (Dec. 2, 2014), *available at* https://www.govinfo.gov/content/pkg/FR-2014-12-02/pdf/2014-28326.pdf.

[4] *See* Office of Mgm't & Budget, Exec. Office of the President, OMB M-19-18, *Federal Data Strategy - A Framework for Consistency* (2019), *available at* https://www.whitehouse.gov/wp-content/uploads/2019/06/M-19-18.pdf.

[5] *See* Office of Mgm't & Budget, Exec. Office of the President, *Delivering Government Solutions in the 21st Century Reform Plan and Reorganization Recommendations* (2018), *available at* https://www.performance.gov/GovReform/Reform-and-Reorg-Plan-Final.pdf.

[6] *See* Office of Mgm't & Budget, Exec. Office of the President, OMB M-18-04, Monitoring and Evaluation Guidelines for Federal Departments and Agencies that Administer United States Foreign Assistance (2018), *available at* https://www.whitehouse.gov/wp-content/uploads/2017/11/M-18-04-Final.pdf.

[7] *See* Office of Mgm't & Budget, Exec. Office of the President, OMB M-19-16, *Centralized Mission Support Capabilities for the Federal Government* (2019), *available at* https://www.whitehouse.gov/wp-content/uploads/2019/04/M-19-16.pdf.

[8] Digital Accountability and Transparency Act of 2014, Pub. L. No. 113-101, 128 Stat. 1146, *available at* https://www.congress.gov/113/plaws/publ101/PLAW-113publ101.pdf; Geospatial Data Act of 2018, Pub. L. No. 115-254, div. B, tit. VII, Subtit. F, 132 Stat. 3413, *available at* https://www.congress.gov/115/bills/hr302/BILLS-115hr302enr.pdf.

Iterative and Coordinated Implementation

Meeting the requirements of the Evidence Act will require ongoing, focused effort. OMB recognizes that implementation will necessarily build on activities already underway and, in some cases, require coordination of these activities in new ways.[9] OMB is committed to: (1) aligning related data and information policy guidance, such as the Strategy and related OMB guidance, like OMB Circular A-11, as applicable; and (2) providing iterative and supplemental guidance in four phases (see Figure 1 below):[10]

- **Phase 1: Learning Agendas, Personnel, and Planning**
- **Phase 2: Open Data Access and Management**
- **Phase 3: Data Access for Statistical Purposes**
- **Phase 4: Program Evaluation**

[9] *See, e.g.*, CIPSEA; Data.gov; Exec. Order No. 13,642; OMB M-13-13; OMB M-13-17; OMB M-14-06; Statistical Policy Directive No. 1; Comm'n on Evid.-Based Policymaking, *The Promise of Evidence-Based* Policymaking (2017), *available at* https://www.cep.gov/cep-final-report.html (bipartisan report which provided the impetus for Pub. L. No. 115-435).

[10] *Cf.* Office of Mgm't & Budget, Exec. Office of the President, OMB Circular No. A-130, Managing Information as a Strategic Resource, *available at* https://www.whitehouse.gov/sites/whitehouse.gov/files/omb/circulars/A130/a130revised.pdf; Office of Mgm't & Budget, Exec. Office of the President, Management of Federal Information Resources (Dec. 12, 2000) (revising OMB Circular No. A-130), *available at* https://www.whitehouse.gov/wp-content/uploads/2017/11/Management-of-Federal-Information-Resources-Dec12-2000.pdf; Office of Mgm't & Budget, Exec. Office of the President, OMB Circular No. A-11, Preparation, Submission, and Execution of the Budget (June 2019), *available at* https://www.whitehouse.gov/wp-content/uploads/2018/06/a11.pdf; OMB M-13-13; and OMB M-14-06.

Figure 1: Evidence Act Guidance

Phase 1: Learning Agendas, Personnel, & Planning

- Learning Agendas
- Chief Data Officers
- Evaluation Officers
- Statistical Officials
- Agency Data Governance Boards
- Chief Data Officer Council
- Evaluation Officer Council
- Interagency Council on Statistical Policy
- Agency Evaluation Plans
- Capacity Assessments
- Open Data Plans

Phase 2: Open Data Access & Management

- Make Data Open by Default
- Comprehensive Data Inventory
- Federal Data Catalogue
- Repository of Tools and Best Practices

Phase 3: Data Access for Statistical Purposes

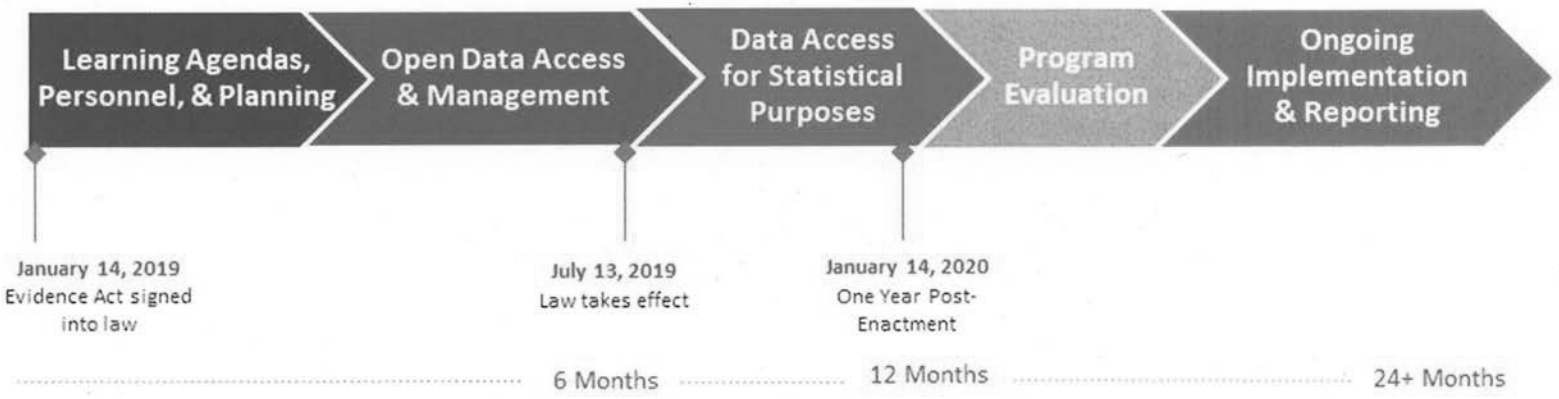
- Make Agency Data Assets Available to Statistical Units
- Expand Users' Secure Access to Data Assets through Statistical Units
- Allow Recognition of New Statistical Units
- Standardize Application Process for Accessing Data Assets
- Codify Statistical Unit Responsibilities

Phase 4: Program Evaluation

- Program Evaluation Standards and Best Practices
- Program Evaluation Skills and Competencies (with OPM)

Ongoing Implementation & Reporting

- Budget Cycles
- Information Resource Management Plans
- Performance Plans
- Strategic Plans
- Federal Data Strategy Annual Action Plans
- Biennial Report
- Statistical Programs Annual Report
- Regulatory Planning
- Information Collection Review



Phase 1: Learning Agendas, Personnel, and Planning

This memorandum includes the key requirements for implementation of Phase 1 that agencies should begin working on immediately (see Table 1 below). Phase 1 implementation includes developing Learning Agendas, designating and developing roles and responsibilities for Personnel, and undertaking Planning activities.

I. *Learning Agendas*: The **Learning Agendas** are, in many ways, the driving force for several of the activities required by and resulting from the Evidence Act. The creation of **Learning Agendas** requires agencies to identify and set priorities for evidence building, in consultation with various stakeholders.

II. *Personnel*: The newly-designated positions (**Chief Data Officer**, **Evaluation Officer**, and **Statistical Official**) all play a key role in leading these activities, including addressing the new reporting requirements. Their corresponding interagency councils likewise support these functions and roles. These senior officials will also serve on a newly required **Data Governance Body** inside their agency, which will set and enforce priorities for managing data as a strategic asset to support the agency in meeting its mission and, importantly, answering the priority questions laid out in the agency **Learning Agenda**.

III. *Planning*: The Evidence Act augments ongoing agency strategic planning activities to promote better use and management of data and evidence, consistent with the GPRA Modernization Act[11] and OMB Circular A-11 Part VI and agency-specific management routines, such as through data-driven performance and strategic reviews. Specifically, **Learning Agendas**, which identify agencies' priority questions, drive related planning activities, including:

- Developing annual **Evaluation Plans**, which will summarize the specific evaluations an agency plans to undertake to address those questions;
- Undertaking **Capacity Assessments**, which, as part of agencies' strategic plans, will help agencies to assess their ability and infrastructure to carry out evidence-building activities like foundational fact finding, performance measurement, policy analysis, and program evaluation; and
- Identifying the data needed to answer those questions.

Lastly, in tandem with Phase 2 guidance, **Open Data Plans** will inform dissemination improvement priorities as part of agencies' Strategic Information Resources Management Plans (discussed below).

The body of this memorandum summarizes these initial requirements, the corresponding deadlines, reporting formats, and responsible officials. The appendices that follow provide additional details on how agencies should implement these requirements, including how these requirements tie into existing efforts, structures, and processes. Agencies should review and refer

[11] GPRA Modernization Act of 2010, Pub. L. No. 111-352, *available at* https://www.congress.gov/111/plaws/publ352/PLAW-111publ352.pdf.

to all parts of this guidance, including the appendices, as they implement the Evidence Act's requirements.[12] Agencies are expected to resource these activities appropriately.

Table 1: Evidence Act – Initial Implementation Requirements

Requirement	Deadline	Agencies:		Responsible Official(s)
		CFO Act[13]	*All*	
Learning Agendas				
Develop Learning Agenda (Evidence-Building Plan)				
Document Progress in Developing Learning Agenda *(in FY 2021 Evidence Template)*	September 2019*	✓	**	EO
Submit Interim Learning Agenda *(concurrent with FY 2022 Annual Performance Plan)*	September 2020*	✓	**	EO
Submit Annotated Outline of Learning Agenda *(part of Initial Draft Strategic Plan)*	May 2021	✓	**	EO
Submit Full Draft Learning Agenda *(part of Full Draft Strategic Plan)*	September 2021*	✓	**	EO
Submit Final Draft Learning Agenda *(part of Final Draft Strategic Plan)*	December 2021	✓	**	EO
Publish Final Learning Agenda *(part of Final Strategic Plan)*	February 2022	✓	**	EO
Personnel				
Constitute Data Governance Body				
Name Members and Charter a Data Governance Body	September 30, 2019	✓	✓	AH
Designate Key Senior Officials				
Name Chief Data Officer	July 13, 2019	✓	✓	AH
Name Evaluation Officer	July 13, 2019	✓	**	AH
Name Statistical Official	July 13, 2019	✓		AH
Participate in Designated Official Orientation	September 2019	✓	✓	CDO, EO, SO
Participate in Interagency Councils	Ongoing	✓	✓	CDO, EO, SO
Planning				
Develop Annual Evaluation Plan				
Document Progress in Developing Evaluation Plan *(in FY 2021 Evidence Template)*	September 2019*	✓	**	EO
Complete Evaluation Plan for FY 2022 *(concurrent with FY 2022 Annual Performance Plan)*	September 2020*	✓	**	EO

[12] OMB recognizes that this guidance uses both the term "data" and the term "information," and that using both terms may cause confusion. The Evidence Act introduced the term "data" into the statutory construct created by the Paperwork Reduction Act, codified in subchapter I of chapter 35 of title 44 of the U.S. Code, which generally speaks in terms of "information." The introduction of the term "data" in the Evidence Act did not, however, disturb the existing definitions or responsibilities that involve the term "information." The result is that the law now describes agency responsibilities using both terms. In this guidance, OMB uses the terms "data" and "information" consistently with the source of the authority for each requirement.

[13] *See* 31 U.S.C. § 901(b).

Conduct Capacity Assessment				
Propose Approach for Capacity Assessment *(in FY 2021 Evidence Template)*	September 2019*	✓	**	EO
Submit Interim Capacity Assessment *(concurrent with FY 2022 Annual Performance Plan)*	September 2020*	✓	**	EO
Submit Initial Capacity Assessment *(part of Initial Draft Strategic Plan)*	May 2021	✓	**	EO
Submit Draft Capacity Assessment *(part of Full Draft Strategic Plan)*	September 2021*	✓	**	EO
Submit Final Draft Capacity Assessment *(part of Final Draft Strategic Plan)*	December 2021	✓	**	EO
Publish Final Capacity Assessment *(part of Final Strategic Plan)*	February 2022	✓	**	EO
Develop Open Data Plan				
See Forthcoming Phase 2 Guidance	TBD	✓	✓	CDO
* - Deliverable should be submitted at the time the agency submits information to OMB per the Budget cycle ** - Strongly recommended for non-CFO Act agencies, as well as operational divisions, bureaus, and sub-agencies in CFO Act agencies EO = Evaluation Officer | AH = Agency Head | CDO = Chief Data Officer | SO = Statistical Official				

I. Develop a Learning Agenda (Evidence-Building Plan)[14]

Each CFO Act agency should immediately start the process of developing and implementing a multi-year learning agenda that coincides with the four-year timeframe defined for agency strategic plans (see Appendix B for additional implementation details). As described further in Appendix B, non-CFO Act agencies, as well as sub-agencies, operational divisions, and bureaus within CFO Act agencies are strongly encouraged to implement a learning agenda as appropriate in coordination with the agency-wide learning agendas. Below are the key activities for agencies to document progress in developing, publishing, and implementing a learning agenda:

- *FY 2021 Budget Submission (September 2019)*: Concurrent with their FY 2021 Budget submissions in September 2019, agencies must document their progress in developing a learning agenda in the Evidence Template that agencies are required to complete per OMB Circular No. A-11.
- *FY 2022 Annual Performance Plan and Budget Submission (September 2020)*: Concurrent with their FY 2022 Annual Performance Plan Submission in September 2020 (to coincide with the submission of the FY 2022 Budget), agencies must submit an interim learning agenda.[15] Agencies are strongly encouraged to put their learning agenda in place earlier and submit to OMB prior to the September 2020 deadline.
- *Draft Strategic Plan (May, September, and December 2021):* As part of their initial draft Strategic Plan submitted to OMB in May 2021, agencies must submit an annotated outline of their updated learning agenda, building on the interim learning agenda submitted in September 2020. The full draft learning agenda must be submitted in

[14] A learning agenda is equivalent to the agency evidence-building plan required in Section 101 of the Evidence Act. 5 U.S.C. § 312(a).

[15] Because this interim learning agenda is being developed during the last year of agency's current strategic plan, the interim learning agenda should be written to address short-term priority questions that can be answered more immediately and long-term questions that are directly linked to the agency's core statutory mission and therefore are unlikely to differ substantively from one strategic planning cycle to the next.

September 2021 with the full draft Strategic Plan. The final draft learning agenda must be submitted in December 2021 with the agency's final draft Strategic Plan.

- *Final Strategic Plan (February 2022)*: As part of their final Strategic Plan posted publicly in February 2022, agencies must include their updated, final learning agenda, which shall cover the same period.

II. Constitute Data Governance and Leadership

(a) Data Governance Body

By September 30, 2019, the head of **each agency** must establish an agency Data Governance Body, to be chaired by the Chief Data Officer, with participation from relevant senior-level staff in agency business units, data functions, and financial management (see Appendix C). All agencies must include their Data Governance Body in their Strategic Information Resources Management Plan's Governance sections as required by OMB guidance.[16] All agencies must report their Data Governance Body members to OMB via email at EvidenceAct@omb.eop.gov **no later than September 30, 2019**.

(b) Designate Key Senior Officials

OMB recognizes that agencies have been working to put key senior officials in place to meet Evidence Act requirements. As previously communicated over the past few months, the deadlines for designating these positions are listed below.

Chief Data Officer – The Chief Data Officer (CDO) shall have authority and responsibility for, among other things, data governance and lifecycle data management. The head of **each agency** must designate a senior staff person in the agency with the required qualifications (see Appendix C) **no later than July 13, 2019**.[17]

Evaluation Officer – The Evaluation Officer shall have authority and responsibility for providing leadership over the agency's evaluation and learning agenda activities.[18] The head of **each CFO-Act agency** must designate, without regard to political affiliation, a senior staff person in the agency with the required qualifications (see Appendix C) **no later than July 13, 2019**. Non-CFO Act agencies, as well as sub-agencies, operational divisions, and bureaus of CFO Act Agencies are strongly encouraged to designate an Evaluation Officer as appropriate.

Statistical Official – The Statistical Official shall have authority and responsibility to advise on statistical policy, techniques, and procedures. The head of **each CFO-Act agency** must designate a senior staff person in the agency with the required qualifications (see Appendix C) **no later than July 13, 2019**.[19] Non-CFO Act agencies, as well as sub-agencies,

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[16] *See* OMB Circular No. A-130, § 5.a.
[17] 44 U.S.C. § 3520.
[18] 5 U.S.C. § 313.
[19] The Act requires the Statistical Official to be the head of an existing statistical agency in CFO Act agencies that have a statistical agency. 5 U.S.C. § 314(a).

operational divisions, and bureaus of CFO Act Agencies are strongly encouraged to designate a Statistical Official as appropriate.

All agencies must submit the names and contact information for their Chief Data Officer, Evaluation Officer, and Statistical Official to EvidenceAct@omb.eop.gov and post the names on their https://[agency].gov/data webpage **no later than August 2, 2019**. Agencies must provide any updates to these designations to OMB via email at EvidenceAct@omb.eop.gov and update their webpages accordingly.

Evidence Act Orientation for Designated Officials – All designated officials must attend an Evidence Act orientation hosted by OMB in **September 2019** to gain a fuller understanding of the requirements under this guidance, develop a common baseline of knowledge about key competencies required for their roles, learn about resources for fulfilling statutory responsibilities, and meet and build relationships with their peers and with OMB officials to promote interagency coordination and collaboration.

(c) Interagency Councils

Designated key officials must also participate with their peers on the following interagency councils:

Chief Data Officer Council

This Memorandum hereby establishes a Chief Data Officer Council (hereinafter "CDO Council") that will include all agency Chief Data Officers, the Administrator of the Office of Electronic Government (or designee), the Administrator of the Office of Information and Regulatory Affairs (or designee), and an Ex Officio Member (to represent all Chief Information Officers and Evaluation Officers). OMB will designate a Chair and constitute a Charter for the CDO Council. The Chair of the CDO Council, in consultation with the GSA Office of Executive Councils, will develop an implementation plan for the Council that will consider the below objectives, as well as lessons learned and best practices for managing Federal-wide executive councils.

The CDO Council shall meet regularly to establish government-wide best practices for the use, protection, dissemination, and generation of data; promote and encourage data sharing agreements between agencies; identify ways in which agencies can improve upon the production of evidence for use in policymaking; consult with the public and engage with private users of Government data and other stakeholders on how to improve access to data assets of the Federal Government; and identify and evaluate new technology solutions for improving the collection and use of data. The CDO Council shares responsibilities with other government-wide councils that conduct statutory data-related activities. OMB expects that the activities of all these councils will be coordinated through OMB in order to assure that these activities are complementary and carried out efficiently and effectively.

Interagency Council on Statistical Policy

The statutory purpose of the Interagency Council on Statistical Policy (ICSP) is to advise and assist the Chief Statistician of the United States in the coordination of the Federal Statistical System; the implementation of statistical policies, principles, standards, and guidelines; and the evaluation of statistical program performance.[20] Its membership currently includes representatives of 14 member agencies. These member agency representatives will be joined by all statistical officials designated pursuant to section 2(b) of this guidance that are not already members, increasing ICSP membership by 12. Consequently, the ICSP will include two members each from the Department of Commerce and the USDA, which each contain two principal statistical agencies, and one member each from all other CFO Act agencies.

The expanded membership will augment the ICSP's ability to meet its statutory purpose. In addition, it will be a forum for collaboration, coordination, and information sharing among the statistical agencies and additional statistical programs across all member agencies, including on issues such as ensuring data quality and confidentiality, attaining and providing data access, and playing an effective role in agency-wide data governance.

Evaluation Officer Council

The OMB Evidence Team will establish and coordinate an interagency Council composed of Evaluation Officers. The Evaluation Officer Council will serve as a forum to exchange information, consult with and advise OMB on issues that affect evaluation functions (e.g., evaluator competencies, program evaluation best practices, and evaluation capacity-building), coordinate and collaborate on areas of common interest, and serve in a leadership role for the broader Federal evaluation community. More information on the Council's composition and membership is forthcoming.

III. Conduct Assessments and Planning

(a) Annual Evaluation Plan

CFO Act agencies shall immediately begin the process of developing their first Annual Evaluation Plan. Non-CFO Act agencies, as well as sub-agencies, operational divisions, and bureaus of CFO Act Agencies are strongly encouraged to develop an evaluation plan as appropriate. At a minimum, the plan shall describe evaluation activities for the subsequent year, including the key questions for each planned "significant" evaluation study, as well as the key information collections or acquisitions the agency plans to begin.[21] Below are the required activities by which agencies will document progress in developing and publishing an Annual Evaluation Plan:

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[20] 44 U.S.C. § 3504(e).

[21] The significance of an evaluation study should be defined by each agency and take into consideration factors such as the importance of a program or funding stream to the agency mission; the size of the program in terms of funding or people served; and the extent to which the study will fill an important knowledge gap regarding the program, population(s) served, or the issue(s) that the program was designed to address. Agencies should clearly state their criteria for designating evaluations as "significant" in their plan. *See* 5 U.S.C. § 312(b).

- *FY 2021 Budget Submission (September 2019)*: Concurrent with their FY 2021 Budget submissions in September 2019, agencies must document their progress in creating an Annual Evaluation Plan in the Evidence Template that agencies are required to complete per OMB Circular No. A-11.
- *FY 2022 Annual Performance Plan Submission (September 2020)*: Concurrent with the submission of their FY 2022 Annual Performance Plan in September 2020 (to coincide with the submission of the FY 2022 Budget), agencies must submit an Evaluation Plan that covers evaluation activities planned for FY 2022. Following this submission, agencies are expected to provide an Annual Evaluation Plan concurrent with the submission of their Annual Performance Plan to OMB in September of each year, which will be published along with the performance plans the following February.

(b) Capacity Assessment

CFO Act agencies should immediately begin to plan how they will assess the coverage, quality, methods, effectiveness, and independence of their statistics, evaluation, research, and analysis efforts. Non-CFO Act agencies, as well as sub-agencies, operational divisions, and bureaus of CFO Act agencies are strongly encouraged to plan and conduct a capacity assessment as appropriate. This assessment should provide a comprehensive view of agency capacity, while also ensuring that the review takes into account specific needs identified through the development of the agency's learning agenda. Below are the key activities for agencies to document progress in developing and undertaking a capacity assessment:

- *FY 2021 Budget Submission (September 2019)*: Concurrent with their FY 2021 Budget submissions in September 2019, agencies should propose an approach to conducting the assessment in the Evidence Template that agencies are required to complete per OMB Circular No. A-11.
- *FY 2022 Annual Performance Plan and Budget Submission (September 2020)*: Concurrent with their FY 2022 Annual Performance Plan submission in September 2020 (to coincide with the submission of the FY 2022 Budget), agencies must submit an interim capacity assessment documenting information gathered to date and outlining steps the agency intends to carry out to complete their full assessment.
- *Draft Strategic Plan (May, September, and December 2021)*: As part of their initial draft Strategic Plan submitted to OMB in May 2021, agencies must submit an initial draft capacity assessment that builds on and revises, as needed, the interim assessment submitted in September 2020. The full draft capacity assessment must be submitted in September 2021 with the full draft Strategic Plan. The final draft capacity assessment must be submitted in December 2021 as part of the agency's final draft Strategic Plan.
- *Final Strategic Plan (February 2022)*: As part of their final Strategic Plan posted publicly in February 2022, agencies must include their updated, final capacity assessment.

(c) Open Data Plan

The Evidence Act requires each agency to develop and maintain an Open Data Plan,[22] which, in general, shall describe the agency's efforts to make government data open to the public. The Open Data Plan shall be included in the agency's Strategic Information Resources Management Plan, which describes how information resource management activities help accomplish agency missions, including how they support government-wide financial management priorities, to include better integration of budget, cost, and performance data. These plans shall be updated annually and made publicly available on the agency's website not later than five days after each update.[23] OMB's forthcoming Phase 2 Guidance will provide agencies further guidance necessary to implement the Evidence Act's Open Data Plan requirement.

The Open Data Plan is one approach through which the Evidence Act strengthens the Federal government's commitment to open data. Many of the other open data requirements in the Evidence Act will be familiar to agencies because of existing open data responsibilities articulated in OMB Circular No. A-130 (*Managing Information as a Strategic Resource*) and OMB M-13-13 (*Open Data Policy – Managing Information as an Asset*). While the Evidence Act, in significant respect, carries forward the existing mechanisms for meeting open data policy objectives, the forthcoming Phase 2 Guidance will substantively update technical aspects of operationalizing these mechanisms. Until the Phase 2 Guidance goes into effect, agencies are reminded to continue meeting their existing open data obligations.

Appendices

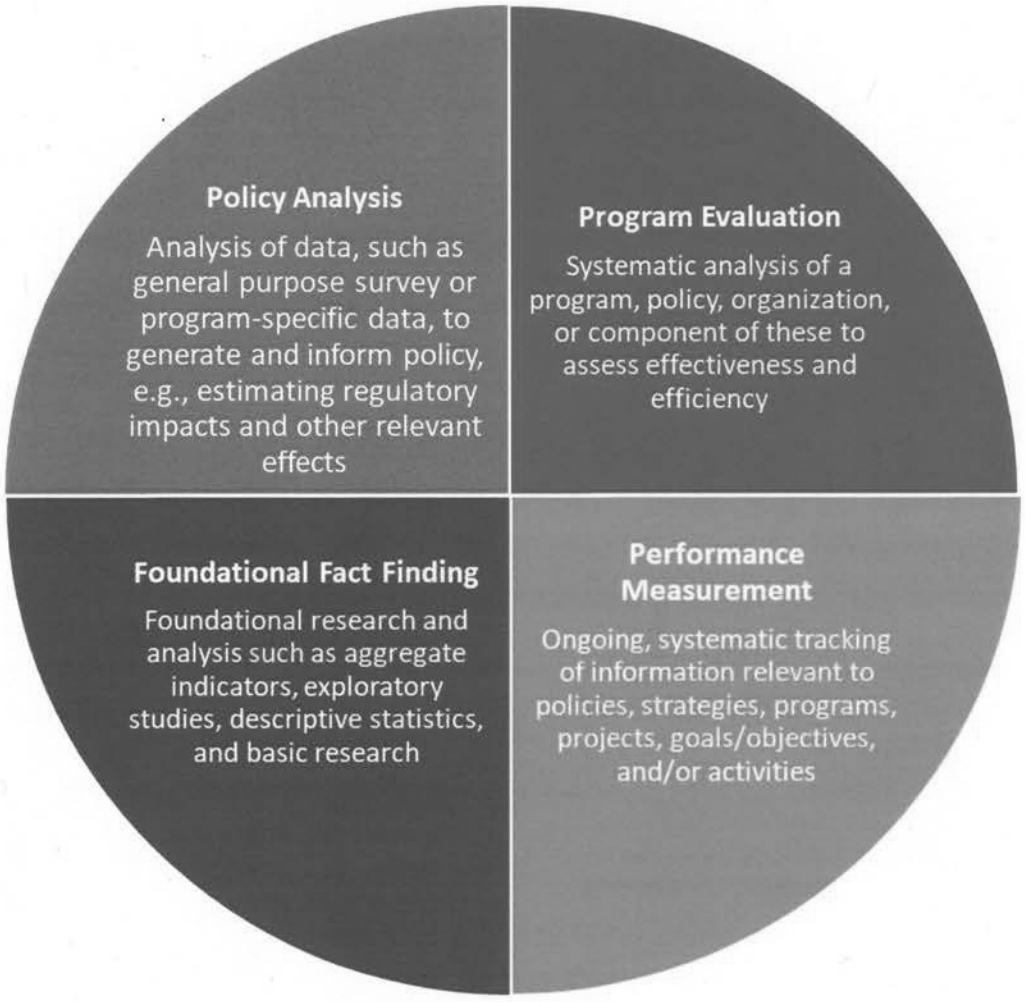
Appendix A: Components of Evidence
Appendix B: Further Guidance on Learning Agendas
Appendix C: Further Guidance on Constituting Data Governance and Leadership
Appendix D: Further Guidance on Assessments and Planning
Appendix E: Implementation Resources for Agencies

[22] 44 U.S.C. § 3506(b)(2).
[23] *See* OMB Circular No. A-130, § 5.a.

APPENDIX A: COMPONENTS OF EVIDENCE

Figure A.1 depicts and describes four interdependent components of evidence: foundational fact finding, policy analysis, program evaluation, and performance measurement. Each of these components informs and directs the others, and many evidence-building activities may be hard to categorize because they organically include more than one component. As agencies build and use evidence, per the Evidence Act and this guidance, they should consider these various types of evidence.

Figure A. 1: Components of Evidence



APPENDIX B: FURTHER GUIDANCE ON LEARNING AGENDAS

I. Purpose

The Evidence Act requires that agencies' strategic plans include a section on evidence building to be developed in conjunction with the agency's process of updating its strategic plan every four years. These evidence-building plans are systematic plans for identifying and addressing priority questions relevant to the programs, policies, and regulations of the agency. Thus, evidence-building plans are multi-year learning agendas that provide an evidence-building roadmap to support effective and efficient agency functioning. Learning agendas offer the opportunity to use data in service of addressing the key questions an agency wants to answer to improve its operational and programmatic outcomes and develop appropriate policies and regulations to support successful mission accomplishment. They identify, prioritize, and establish strategies to develop evidence to answer important short- and long-term strategic questions (i.e., questions about how the agency meets its mission(s), including about how programs, policies, and regulations function both individually and in combination) and operational questions (i.e., questions about the agency's operations like human resources, grant-making procedures, financial systems and tracking, and internal processes).[24] In this context, such strategic and operational questions to be answered can subsequently be integrated into and reflected in the agency's Strategic Plan and Annual Performance Plan. When items in the learning agenda are designed to support planned regulatory actions, the agency should cross reference the entry for that regulatory action in the current Unified Agenda of Federal Regulatory and Deregulatory Actions.

Learning agendas should be iterative, flexible, transparent, and tailored to both meet an individual agency's needs and address agency-specific challenges to developing evidence. They should highlight recent, existing, and future evidence-building activities; make an agency's evidence-building plans transparent; and promote interest in and support for the studies, evaluations, and other evidence that will follow from them. Through the necessary consultations with relevant stakeholders, learning agendas provide an opportunity to align efforts and promote interagency collaboration in areas of joint focus or shared populations or goals. For agencies with emerging evidence-building functions, the learning agenda may emphasize and help coordinate efforts to design and implement new evidence-building activities. For agencies with more mature evidence-building efforts that may already have comprehensive research plans, research roadmaps, enterprise learning agendas, or evaluation strategic plans in place, the learning agenda may highlight and prioritize existing efforts. As a result, there is no single approach or format for a learning agenda that will be effective for every agency.

A learning agenda is a systematic way to identify the data agencies intend to collect, use, or acquire, as well as the methods and analytical approaches to facilitate the use of evidence in policymaking. It promotes deliberate planning of evidence-building activities, including how to prioritize limited resources and address potential information gaps that may inhibit an agency's effective mitigation of risks identified through their enterprise risk management processes. Learning agendas relate to, but are distinct from research and development planning for the

[24] While a learning agenda may address an agency's human resources as those resources relate to an identified priority question, learning agendas do not refer to plans for human capital development.

purposes of building the stock of knowledge.[25] They can also complement an agency's submission to the Unified Agenda of Federal Regulatory and Deregulatory Actions by clearly documenting how an agency intends to build and use evidence to support its proposed regulatory actions.

II. Establishing and Utilizing a Multi-Year Learning Agenda

Requirements for a Learning Agenda

The Evidence Act requires CFO Act agencies[26] to have a learning agenda that covers a four-year period aligned with the strategic plan and that addresses priority questions (i.e., questions relevant for programmatic, operational, regulatory, or policy decision-making) across the entire agency (i.e., the entire Cabinet-level Department). Additionally, OMB strongly encourages non-CFO Act agencies, as well as sub-agencies, operational divisions, or bureaus of CFO Act agencies to develop and implement their own learning agendas that tie into and are consistent with, but are not limited by, the agency-wide agenda.

Management of the Development and Implementation Process

Pursuant to the Evidence Act, the agency's designated Evaluation Officer (see Appendix C) shall coordinate, develop, and implement the learning agenda. The Evaluation Officer shall play a leading technical role in the development and implementation of the learning agenda at the agency level and support efforts to develop learning agendas at the sub-agency, operational division, or bureau levels, particularly as those agendas relate to the agency-wide plan. Other senior officials who work on evidence-building activities, such as the Statistical Official and Chief Data Officer, may also play an important role in the learning agenda process. Agency leadership should be engaged in the development and implementation of the learning agenda, as their buy-in and support for determining what high-priority questions should be included, which stakeholders should inform the process, and which staff and data assets will be needed to fulfill the learning agenda, are critical to success.

Key Components of the Learning Agenda Process

OMB recognizes that there is not just one way to develop a learning agenda. Agencies should undertake the learning agenda process in a way that is most appropriate to their particular agency. To meet the requirements for learning agendas outlined in Section 312 of the Evidence Act, agencies must include the components described further below in the process. Figure B.1 (below) shows one potential way that agencies could order these components to develop a learning agenda, though there are other approaches, and agencies may find that a different process best meets their needs.

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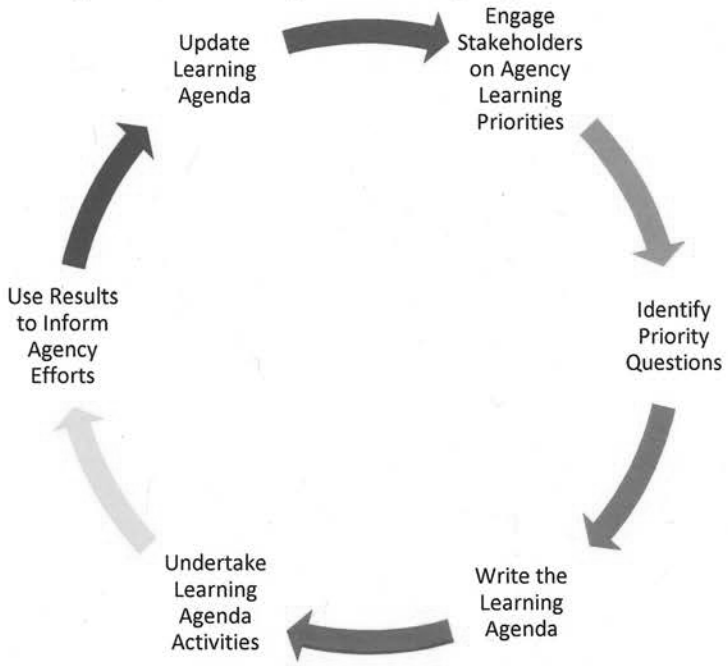
[25] Pursuant to OMB Circular No. A-11, Section 210.13, Research and Development programs "focus on knowledge creation or its application to the creation of systems, methods, materials, or technologies, such as DOE's Solar Energy and NASA's Solar System Exploration programs."

[26] 5 U.S.C. § 312(a).

Figure B.1: Example Learning Agenda Process



Engage Stakeholders on Agency Learning Priorities. Agencies should consult with internal and external stakeholders throughout the process to develop and implement a learning agenda as learning priorities are identified and evidence-building activities are conducted. The purpose of stakeholder engagement is to make sure that the learning agenda addresses questions that are relevant, salient, and meaningful to those with direct interests in the agency's functions, and that the learning that results resonates with stakeholders. Agencies should consult with internal agency stakeholders who play a role in, have a stake in, or will use the results of the learning process, including agency staff who oversee the designs, processes, operations, or programs being discussed in the plan; other evaluation, statistics, analysis, data, enterprise risk management, and performance units and personnel in the agency; policy staff; regulatory staff; privacy and information law and policy personnel; and agency leadership. Per the Evidence Act, agencies shall also consult with the public, State and local governments, and representatives of non-governmental researchers. OMB also urges broader consultation with additional stakeholders, including: the Office of Management and Budget, Federal grant recipients, Congress, and industry and trade groups. Insofar as an agency's learning agenda describes its plans to build evidence to address specific questions or fill certain purposes, such as supporting data-driven, performance and strategic review processes and routines, these agendas also signal agency priorities externally, including opportunities for collaboration with external stakeholders to answer some priority questions. The agency's learning agenda should describe its stakeholder engagement, including the process and participants.

Agencies should gather input in the manner that best meets their needs, most effectively engages their specific stakeholders, and leverages existing activities and/or requirements whenever possible, in accordance with applicable law and policy. Potential models for doing so include: Requests for Information published in the Federal Register, listening sessions with groups of

stakeholders, Technical Working Groups, and one-on-one consultations. OMB recognizes that agencies may use different approaches at different points in the process, and that it may not be feasible to engage all stakeholders for all updates to the learning agenda. While agencies have the option of soliciting feedback and engaging specific stakeholders on their learning agenda as part of their consultation process on the Agency Strategic Plan[27], agencies may choose to conduct separate consultations to account for varied interests of different stakeholder groups as it relates to these components of the agency's Strategic Plan.

Identify Priority Questions. Agencies should identify priority questions that, when answered, will have the biggest impact on agency functioning and performance. Agencies may, but are not required to, tie their questions to strategic goals and strategic planning. Learning agendas should include both short- and long-term questions of interest to the agency, as well as mission-strategic and agency-operational questions (see Table B.1 below), in a balance that emphasizes those of greatest relevance and priority to the agency. In identifying questions, agencies should move beyond high-level, broad questions, even at the enterprise level, to those that have sufficient detail to be answerable and useful.

Table B.1: Examples of Potential Learning Agenda Questions

	Short-Term	Long-Term
Mission – Strategic	- What are the factors that positively and negatively predict increased numbers of participants that complete Agency A's Program B's sessions? - How can we prospectively monitor and evaluate county-level interventions and initiatives funded by Program C in Agency D?	- Have regulatory actions reduced outcome E in program area F for programs funded by Agency C? - Have capacity-building and increased opportunities for target population G led to increased participation of target population G in intervention H? - Based on projected demographic changes and economic forecasts, how will demand for Program I likely change, and what new challenges will these changes pose?
Agency – Operational	- What factors are critical for meeting Agency J's sub-contracting goals? - What effect did revised procedures have on Agency K's ability to hire new staff within 120 days? - What was the impact of online eligibility forms vs. paper forms for time to program enrollment for target population L? - How do Agency M's policies encourage grant recipients to implement practices to support stronger grant performance?	- What regulatory, policy, or process improvements could be made to help strengthen the agency's oversight and risk management? - How can Bureau N in Agency P improve partnerships with local organizations? - How can Agency Q ensure that its workforce has the ongoing IT skills needed to meet Agency R's mission?

[27] *See* OMB Circular No. A-11, § 230.15.

In defining these questions, agencies should articulate how they define short- and long-term (e.g., short-term is less than one year, while long-term is over the next four years), and the period over which they expect to answer these questions. Learning agendas can give agencies the opportunity to strategically build evidence via systematic questions and agencies should, to the extent possible, describe how short- and long-term questions relate to one another. For instance, an agency may want to understand the impact on participants of a large-scale grant program. In order to answer this long-term question, the agency may need to answer a series of short-term questions, like "How do grantees implement the program in individual locations?" or "To what extent do program participants achieve the desired intermediate-term program outcomes?"

Agencies should consider and include the range of methods and types of evidence that could be brought to bear to answer the priority questions identified in their learning agenda, including foundational fact finding, performance measurement, policy analysis, and program evaluation (see Appendix A). Agencies, to the extent practicable, may also answer questions using existing evidence, including literature reviews, meta-analyses, and research clearinghouses. Indeed, existing evidence is critical to identify gaps in knowledge and unmet needs, and learning agendas should address the current state of evidence. The questions to be answered must drive the research methods (and not vice versa), and agencies are expected to use the most rigorous methods possible that align to the identified questions and are feasible in a given circumstance. Agencies should, thus, be realistic about what can be measured and what cannot when prioritizing questions. As appropriate, agencies are encouraged to discuss opportunities for external entities to support the agency's learning agenda, including by explicitly identifying questions that are amenable to such collaboration.

Write the Learning Agenda. Written learning agendas should include the feedback gathered from the agency's stakeholder engagement efforts and use clear, plain language. Consistent with the Strategic Plan, agencies should make their learning agenda public (e.g., by posting on their agency website and disseminating to stakeholders), though agencies should determine what is most appropriate to publish based on their own needs, content, and relevant statutory requirements. At a minimum, agencies should include the following types of content in their learning agenda, recognizing that this content does not necessarily need to be organized according to these headings:

- Which Strategic Goals and Objectives that the Learning Agenda will Address;
- Priority Questions to be Answered;
- Activities that the Agency will Engage in to Address Priority Questions;
- Timing of Learning Agenda Activities;
- Potential Data, Tools, Methods and Analytic Approaches to be Used to Answer Priority Questions; and
- Anticipated Agency-Specific Challenges and Proposed Solutions to Developing Evidence to Support Agency Priorities.

Undertake Learning Agenda Activities. Agencies should carry out the activities specified in the learning agenda, including conducting evaluations (internally or externally),[28] data analyses, performance activities, syntheses of existing evidence, etc. In doing so, agencies are expected to abide by relevant OMB guidance.[29] It will be important for agencies to consider ways to combine or coordinate related evidence and data-related activities, in accordance with applicable law governing the collection, use, and disclosure of data and information.

Use Results to Inform Agency Efforts. Critical to the learning agenda process is the actual learning that results from the evidence-building activities an agency undertakes and how the agency uses and disseminates that information. Agencies should disseminate results internally to the appropriate parties for learning, improvement, and decision-making. As agencies consult with internal and external stakeholders, they should consider how to best time dissemination to maximize the usefulness of the evidence. In addition, agencies should have a plan for external publication of findings from program evaluations, research studies, and related analyses per accepted standards of scientific integrity as noted in the agency's evaluation policy or other procedures. Beyond dissemination, agencies should also consider how they will use results to inform agency decisions and activities, including, for example, continuous quality improvement, strategic planning, and budget formulation. For example, agencies can leverage their internal strategic review process, a key management routine for ensuring agency implementation strategies and activities can be updated, to improve strategic goals, objectives, and programmatic outcomes. Agencies must ensure that the use of the results of learning activities is done in accordance with applicable law and policies governing the collection, use, and disclosure of data and information.

Update Learning Agenda. Updating the learning agenda builds and maintains the culture of learning an agency needs in order to think critically and to examine and systematically improve programs, processes, regulations, and policies. Agencies must revisit their learning agendas at least annually and update them as needed to reflect progress toward meeting the agency's original goals and objectives, shifting agency priorities, changing contexts within which the agency operates, and emergent needs. Learning agendas should also be updated to incorporate, when available, the results of the activities an agency undertakes to answer priority questions. OMB does not expect that agencies will rewrite or draft a new learning agenda annually. Rather, the focus should be on creating meaningful updates as appropriate.

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[28] Significant evaluations undertaken as part of learning agenda implementation should be included in the annual Evaluation Plans required by the Evidence Act.

[29] *See* Guidelines for Ensuring and Maximizing the Quality, Objectivity, Utility, and Integrity of Information Disseminated by Federal Agencies; Office of Mgm't & Budget, Exec. Office of the President, OMB M-05-03, Final Information Quality Bulletin for Peer Review (2005), *available at* https://www.whitehouse.gov/sites/whitehouse.gov/files/omb/assets/OMB/inforeg/iqg_oct2002.pdf; OMB M-14-06; principles and best practices in the Federal Data Strategy (forthcoming); and future OMB guidance on program evaluation.

APPENDIX C: FURTHER GUIDANCE ON CONSITUTING DATA GOVERNANCE AND LEADERSHIP

Implementing a Data Governance Body

I. Purpose

Data governance is the process of setting and enforcing priorities for managing data as a strategic asset in service of an agency's mission, including its strategic plan and other high-level priorities. This is accomplished by establishing a data governance structure with sufficient authority over the management of and access to key data assets, including roles for developing, overseeing, and coordinating data management policy and resource allocation.

Data governance is foundational to undertaking many activities required by the Evidence Act, and responsibility is shared among multiple parties. Effective implementation of data governance therefore requires a data governance body that, at a minimum:

- Supports agency priorities, such as those identified in strategic plans and learning agendas, by informing Strategic Information Resources Management Plans for the agency and identifying resources to implement those priorities;
- Coordinates and supports implementation of data management responsibilities with agency data-management actors to strengthen strategic plans and learning agendas;
- Sets agency data policy in a manner that complements, but does not supplant the statutory authority of established positions; and
- Coordinates implementation of the Federal Data Strategy by assessing data maturity, risks, and capabilities to recommend related data investment priorities.

By September 30, 2019, the head of **each agency** must establish an agency Data Governance Body, chaired by the Chief Data Officer, with participation from relevant senior-level staff in agency business units and data support functions and regular meetings.

II. People

An enterprise-wide Data Governance Body is only effective when the agency head or delegated authority sponsors the program and assigns senior staff with responsibility for ensuring that the data governance program addresses key agency concerns and priorities. In addition to the Chair (i.e., the Chief Data Officer), an agency's Data Governance Body should include appropriate senior-level staff and technical experts needed to discuss and set policy on a range of data and data-related topics.

Agencies are encouraged to constitute their Data Governance Bodies in a way that ensures that they meet the requirements discussed below for that particular agency. At a minimum, agencies should include the newly-designated positions from the Evidence Act (i.e., the Chief Data Officer, Evaluation Officer, and Statistical Official) and senior officials from agency program areas. In addition, OMB expects that the following positions have defined roles in the

governance process and may be members of the Body: Chief Acquisition Officer, Chief Financial Officer, Chief Freedom of Information Act Officer, Chief Information Officer, Chief Information Security Officer, General Counsel, Performance Improvement Officer, Senior Agency Official for Geospatial Information, Senior Agency Official for Privacy, and Senior Agency Official for Records Management. Agencies may also augment their Data Governance Body with other relevant senior officials, such as Chief Operating Officer and Chief Technology Officer for permanent or rotational participation in accordance with agency governance rules and customs. The makeup of an agency's Data Governance Body should be driven by the agency's needs and structure.

III. Reporting

All agencies must include their Data Governance Body in their Strategic Information Resources Management Plans' Governance sections as required by OMB guidance.[30] Additionally all agencies must report their Data Governance Body members to OMB via email at EvidenceAct@omb.eop.gov **no later than September 30, 2019**.

Key Senior Officials

The Evidence Act requires agencies to designate three senior officials – Chief Data Officer, Evaluation Officer, and Statistical Official – who will oversee the use of data and evidence-building activities in agencies. The following outlines OMB's expectations for the designation of these officials, as well as expectations for how these individuals will work with one another within agencies.[31]

Chief Data Officer

I. Background

While there are many roles in the Federal Government that relate to data management, over the last few years, Chief Data Officers (CDOs) have emerged to lead organizational development of processes to leverage the power of data. CDOs enable data driven decision-making in a variety of ways, from providing and leveraging centralized agency analytics capacity[32] to creating tools and platforms that enable self-service across their agencies and for the public.[33] Successful data management must account for every stage of the data lifecycle. Among other things, it involves establishing effective procedures, standards, and controls to ensure quality, accuracy, access, and protection of data, as well as managing information technology and information security. The

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[30] *See* OMB Circular No. A-130, § 5.a.

[31] As illustrated in the descriptions of functions and responsibilities for each of these positions, it is OMB's expectation that these are full-time positions. Agencies should identify and designate staff accordingly.

[32] *See* Office of Mgm't & Budget, Exec. Office of the President, OMB M-19-16, *Centralized Mission Support Capabilities for the Federal Government* (2019), *available at* https://www.whitehouse.gov/wp-content/uploads/2019/04/M-19-16.pdf.

[33] Jane M. Wiseman, Ash Ctr. for Democratic Governance & Innovation, Harvard Kennedy Sch. Data-Driven Government: The Role of Chief Data Officers. (2018), *available at* https://www.innovations.harvard.edu/sites/default/files/Data-Driven-Government.pdf.

Evidence Act formally establishes within agencies the position of the CDO, who, through the functions described below, and in coordination with other agency leaders, will ensure the successful execution of the agency's data management responsibilities.

II. Designation of Chief Data Officers

By July 13, 2019, the head of **each agency** shall designate a nonpolitical appointee employee in the agency as a Chief Data Officer to support implementation of the Evidence Act and serve on the Chief Data Officer Council. Agency heads shall designate this role based on the qualifications below and place this role in the best position within their agency to serve the functions listed below.

The Evidence Act does not require this position to be within any particular organizational unit of the agency or to report to any particular official. However, consistent with the role they play in the agency, CDOs shall serve in a central leadership position, with visibility into relevant agency operations, and be positioned highly enough to regularly engage with other agency leadership, including the head of the agency. Agencies, as part of their Information Resource Management governance planning activities, shall evaluate the effectiveness of the organizational placement of roles and the allocation of responsibilities.

The CDO shall have the necessary authority to carry out the responsibilities described below. Nevertheless, some of these responsibilities are shared with others in the agency. Therefore, these functions should be carried out in consultation with the Data Governance Body and agency officials who also may have shared responsibilities under other statutes. The agency head is responsible for assuring that shared responsibilities are carried out in an effective and efficient manner.

III. Qualifications for Chief Data Officers

CDOs must have the necessary skills, knowledge, and expertise to carry out the functions assigned by law and described below. They should be experts in data management and governance (including creation, application, and maintenance of data standards) and have a working knowledge of data collection, analysis, protection, use, and dissemination as it relates to the agency's mission.[34] Specific qualifications include:

- Demonstrated ability to communicate effectively, build coalitions, and exert influence with political savvy among stakeholders within large organizations, between organizations and government entities (e.g., between state and Federal government bodies), and among data users and providers;
- Demonstrated ability to successfully manage organizational culture change;

[34] According to section 202(e) of the Evidence Act, "The Chief Data Officer of an agency shall be designated on the basis of demonstrated training and experience in data management, governance (including creation, application, and maintenance of data standards), collection, analysis, protection, use, and dissemination, including with respect to any statistical and related techniques to protect and de-identify confidential data." 44 U.S.C. § 3520.

- Demonstrated ability to facilitate and implement best practices in data curation and management across the entirety of the data lifecycle;
- Demonstrated ability to facilitate improved regulatory outcomes by supporting agency compliance with Executive Order 12866, *Regulatory Planning and Review*, and OMB Circular No. A-4, *Regulatory Analysis*;
- Demonstrated ability to think strategically and solve complex problems regarding the application of data to data-driven decision-making;
- Demonstrated ability to facilitate complex data analysis to improve operational results, regulatory activities, and mission outcomes; and
- Strong business acumen and familiarity with data science approaches, cloud computing, cyber security, privacy, confidentiality, data analytics, statistical methods, policy analysis, information quality standards set out in the Information Quality Act (IQA),[35] record disclosure laws and policy, and the Paperwork Reduction Act (PRA).

IV. Responsibilities for Chief Data Officers

Governance Responsibilities

One of the CDO's most important responsibilities is to convene and coordinate agency-wide data governance, which is a shared activity among multiple data stewards and supporting officials. In this regard, the Evidence Act assigns specific functions to the CDO, but it is OMB's expectation that other agency leaders continue to perform the functions assigned to them by relevant statutes. The head of the agency retains ultimate responsibility for the success of the agency's data management activities. To further the necessary collaborative environment, the CDO's convening and coordination functions shall include:[36]

- Leading the agency's Data Governance Body, including facilitating collaborative activities among the numerous actors with responsibilities and needs for data within the agency;
- Supporting the agency's learning agenda by coordinating data access and management activities that support evidence building, including evaluation, performance reporting, and the analysis of regulations;
- Coordinating with any official in the agency responsible for using, protecting, disseminating, and generating data to ensure that the data needs of the agency are met;
- Engaging agency employees, the public, and contractors in using public data assets, and encouraging collaborative approaches on improving data use;
- Supporting the Performance Improvement Officer of the agency in identifying and using data to carry out the functions described in 31 U.S.C. § 1124(a)(2);
- Supporting the Evaluation Officer of the agency in obtaining data to carry out the functions described in 5 U.S.C. § 313(d);

[35] *Id.* § 3516, note.
[36] Section 202(e) of the Evidence Act delineates functions of the Chief Data Officer. *See id.* § 3520(c).

- Reviewing the impact of the infrastructure of the agency on data asset accessibility and coordinating with the Chief Information Officer of the agency to improve such infrastructure to reduce barriers that inhibit data asset accessibility;
- Ensuring that, to the extent practicable, the agency maximizes its use of data, including for the production of evidence, including regulatory analyses, cybersecurity, and the improvement of agency operations;
- Identifying points of contact for roles and responsibilities related to open data use and implementation;
- Serving as the agency liaison to other agencies and OMB on the best way to use existing agency data for statistical purposes. This function includes helping program units provide data to statistical agencies and units, as required in section 303 of the Evidence Act;[37] and
- Complying with any regulation and guidance issued under the newly added subchapter III of chapter 35 of title 44 of the United States Code, including the acquisition and maintenance of any required certification and training.

Lifecycle Data Management Responsibilities

The second major area of responsibility for a Chief Data Officer is the agency's lifecycle data management, including:[38]

- Ensuring that the agency follows, to the extent practicable, data management best practices;[39]
- Carrying out information resources management strategic planning,[40] including leading the development of the agency's Open Data Plan;[41]
- Carrying out the requirements of the agency with regard to the information collection and control of paperwork, including certifying to OMB the agency's compliance with 5 CFR 1320.9 and 1320.8(b)(3);[42]
- Carrying out information dissemination;[43]
- Managing the agency's data assets, including the standardization of data format, sharing of data assets, and publication of data assets in accordance with applicable law;[44] and
- Carrying out records management.[45]

Delegation of Responsibilities for Statistical Law

The protection of information collected for statistical purposes is a core duty of the statistical agencies; the ability of statistical agencies to fulfill this duty is contingent on compliance with all laws and regulations that they are bound to follow. The CDO must delegate the above responsibilities to the head of a principal statistical agency or recognized statistical unit to ensure

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[37] *Id.* § 3581.
[38] *Id.* § 3520(c)(1).
[39] *Id.* § 3520(c)(6).
[40] *Id.* §§ 3506(b), 3520(c)(5).
[41] *Id.* §§ 3506(b)(2), 3511.
[42] *Id.* §§ 3506(c); 3507.
[43] *Id.* § 3506(d).
[44] *Id.* § 3520((c)(3).
[45] *Id.* § 3506(f).

compliance with laws and associated policies specific to statistical agencies, including section 314 of title I and all of title III of the Evidence Act, as well as policies promulgated pursuant to 44 U.S.C. §§ 3504(e) and 3506(e) and the statutes authorizing each of the principal statistical agencies and each of their statistical programs. Statistical agency or unit heads, to the extent permissible by law, must consult with the CDOs in carrying out said responsibilities, and CDOs must defer to them with respect to any data acquired, maintained, or disseminated by the agency under applicable statistical law.[46]

Evaluation Officer

I. Background

Strengthening the program evaluation function within the Federal government is an important step in expanding evidence building. The Evaluation Officer shall be responsible for overseeing the agency's evaluation activities, learning agenda, and capacity assessment, as well as collaborating with, shaping, and contributing to other evidence-building functions within the agency. The Evaluation Officer is responsible for providing technical and methodological leadership to assess, improve, and advise on evaluation activities across the agency. For agencies that are less mature in their evaluation activities, or for those agencies without additional evaluation expertise distributed throughout the agency, the Evaluation Officer may also be responsible for conceptualizing, prioritizing, and designing the agency's evaluation activities.

II. Designation of Evaluation Officers

By July 13, 2019, the head of **each of the 24 Federal agencies covered by the CFO Act** must designate a senior employee of the agency as the Evaluation Officer based on demonstrated technical expertise and skills in program evaluation methodology and practices and without regard to political affiliation.[47] Each agency must have one Evaluation Officer to serve in this role for the agency as a whole (e.g., the entire Cabinet-level department). In addition, where appropriate, OMB strongly recommends that agencies consider building capacity in sub-agencies, operational divisions, or bureaus within the agency that also may have a need for an Evaluation Officer, with the agency-level official providing expert leadership and coordination among those officials.

Agencies have the flexibility to designate their Evaluation Officer based on the agency's organizational structure and particular needs. When designating the Evaluation Officer, agency heads should consider lines of accountability and the coordination needed to ensure the Evaluation Officer is aligned and partnered with supporting offices and functions to effectively perform their roles and responsibilities. Regardless of structure, there must be one Evaluation Officer at the agency-wide level who facilitates and oversees evaluation activities across the agency. It is important to note that the Evaluation Officer cannot be a member of the Inspector

[46] *Id.* § 3520(d)(3).
[47] All other agencies are encouraged to designate Evaluation Officers and implement this guidance.

General's staff or located in the Inspector General's (IG) office. While IGs play a very important role in agency oversight and accountability, the Evaluation Officer required by the Evidence Act has a different function.

III. Qualifications for Evaluation Officers

The Evaluation Officer shall be appointed without regard to political affiliation based on demonstrated, senior-level technical expertise in evaluation methods and practices and documented expertise to the disciplines of the agency. This includes advanced education and training in an evaluation-related field, direct experience in applying evaluation methods to study Federal programs and/or policies, and knowledge of current analytic techniques. Agencies shall ensure that they appoint or designate an Evaluation Officer with credibility in the range of relevant evaluation practices and methods, as well as appropriate expertise in the culture, disciplines, and policy areas of the agency. The Evaluation Officer must have the standing and authority to perform the functions listed below. Continuity of their leadership and the ability to oversee multi-year efforts are likewise important. Evaluation Officers should also have demonstrated ability to:

- Ensure that the agency maintains principles of scientific integrity throughout the evaluation process, including adherence to professional values and practices when conducting and using the findings from evaluation to maintain objectivity, clarity, and reproducibility and to insulate from bias, fabrication, falsification, censorship, or other threats to integrity;
- Ensure that rigorous evaluation is a priority that is not subordinated to other agency demands;
- Communicate effectively, build coalitions, and exert influence with political savvy among stakeholders within large organizations, between organizations and government entities (e.g., between state and Federal government bodies), and among data users and providers;
- Think strategically about allocation of evaluation resources and dissemination of evaluation findings to support agency business and mission needs;
- Communicate the findings of evidence-building activities to a range of stakeholder audiences; and
- Successfully manage organizational culture change.

The Evaluation Officer must report to a key agency official so that evaluation activities, including findings, can be integrated into decision-making processes. The Evaluation Officer must devote sufficient time to this role to meet the expectations and functions outlined in section 313 of the Evidence Act and reflected in this Memorandum.

IV. Responsibilities for Evaluation Officers

The Evaluation Officer shall have authority and responsibility for providing leadership over the agency's (or sub-agency's, operational division's, or bureau's) evaluation activities, and will be expected to perform the following functions:

- Serve as:
  - Agency champion for and educator of agency staff and leaders about evaluation, including what evaluation is, the value of conducting evaluations, how to discern high-quality evaluation from other types of analyses, and the importance of evaluation as a strategic investment;
  - Senior advisor to agency leaders on issues of evaluation policy and practice, such as designing and undertaking evaluations, interpreting results, and integrating evaluation findings into day-to-day agency operations, management processes, budgeting, strategic planning, and other decision-making;
  - Senior agency contact on evaluation for agency-wide and cross-cutting evaluation efforts, both with external stakeholders and in coordination with senior officials responsible for other agency functions, including officials responsible for implementing privacy policy, the Chief Data Officer, the Chief Information Officer, the Statistical Official, the Performance Improvement Officer, additional evaluation and analysis units and personnel in the agency, and others as appropriate;
  - Participant in the agency's Chief Operating Officer-led efforts to review progress on Agency Priority Goals and other management priorities to ensure that evidence is included and used appropriately;
  - Member of the agency Data Governance Body; and
  - Member of the interagency Evaluation Officer Council.

- Oversee or conduct:
  - Assessment of the coverage, quality, methods, effectiveness, objectivity, scientific integrity, and balance of the portfolio of evaluations, policy research, and ongoing evaluation activities of the agency, in consultation with other methodologists, such as the Statistical Official, when appropriate;
  - Improvement of agency capacity to support the development and use of evaluation, coordinate and increase technical expertise available for evaluation and related research activities within the agency, and improve the quality of evaluations and knowledge of evaluation methodology and standards;
  - Implementation of the forthcoming OMB guidance for program evaluation standards and best practices;
  - Establishment and implementation of an agency evaluation policy that affirms the agency's commitment to conducting rigorous, relevant evaluations and to using evidence from evaluations to inform policy and practice. The policy will provide the agency's stakeholders with a clear understanding of the expectations related to key principles, such as evaluation rigor, relevance, transparency, independence, and ethics;
  - Coordination, development, and implementation of the plans required under section 312 of the Evidence Act:

- Learning Agenda (evidence-building plan) in conjunction with the Agency Strategic Plan;
- Annual Evaluation Plan, submitted in conjunction with the Annual Performance Plan; and
- Capacity Assessment, included as part of the Agency Strategic Plan.

- Development of new or improvement of existing processes to integrate evaluation findings into agency decision-making and other functions;
- Management of agency-wide evaluation standards and requirements to ensure the scientific integrity of the agency's evaluation activities; and
- Use and dissemination of evaluation results throughout the agency and to the public, as appropriate.

Statistical Official

I. Background

Statistical expertise allows organizations to ensure that data are gathered, processed, and curated so as to produce statistical products with the highest standards of data quality while protecting confidentiality, privacy, and security. Data quality has multiple dimensions, including credibility and accuracy, timeliness and relevance to valuable decision-making processes, the objectivity with which data are produced, and their accessibility to multiple users at an appropriate level of clarity and detail. Applying statistical expertise involves the maintenance and development of policies that anticipate and address the needs of data users and providers, the continual advancement and adoption of statistical techniques to maximize the quality of statistical outputs, and the delineation of procedures to ensure that these policies and techniques are implemented in a rigorous and efficient manner.

II. Designation of Statistical Officials

By July 13, 2019, the head of **each of the 24 Federal agencies covered by the CFO Act** must designate a statistical official to advise on statistical policy, techniques, and procedures.[48] Within Federal agencies that contain one or more principal statistical agencies, the mantle of leadership to cultivate and apply statistical expertise is worn by those principal statistical agencies. Statistical agencies have developed and demonstrated a high level of statistical expertise over many decades as the development and implementation of statistical surveys advanced and was expanded to incorporate a wide array of non-survey data from administrative, commercial, sensor-based, and other sources. They continue to lead as the field grows and develops methodologies to improve the quality and efficiency of statistical data uses. Statistical agency heads provide oversight and advice to the leadership of their parent agencies to promote and optimally balance the ideals of data quality and confidentiality. As champions of these ideals,

[48] 5 U.S.C. § 315(a) ("The head of each agency shall designate the head of any statistical agency or unit within the agency, or in the case of an agency that does not have a statistical agency or unit, any senior agency official with appropriate expertise, as a statistical official to advise on statistical policy, techniques, and procedures. Agency officials engaged in statistical activities may consult with any such statistical official as necessary.").

principal statistical agencies are a logical choice to play a broad role in overseeing the curation and use of their parent agencies' data assets. In agencies that do not contain principal statistical agencies, a variety of other advisory structures or personnel may play similar roles. The Evidence Act institutionalizes these roles by requiring each CFO Act agency to designate a Statistical Official. For agencies that house one of the 13 statistical agencies, the agency head must designate the head of a statistical agency as the Statistical Official.[49] Where one does not exist, an agency head should identify as a Statistical Official an individual who demonstrates high levels of expertise as described in the *Qualifications* section below. OMB expects agencies to designate Statistical Officials based on the qualifications they possess and functions they are to perform as described in the *Responsibilities* section below, and that the individuals' qualifications shall take preference over other considerations. The ability of the Statistical Official to have continued leadership and the ability to oversee multi-year efforts are likewise important for agencies to consider as they designate this Official.

The Statistical Official must have the standing and authority to perform the functions listed in the *Responsibilities* section below. The Official must have sufficient independence to meet the requirements of the Evidence Act and to carry out the responsibilities of section 302(a) of the Evidence Act.[50] The Statistical Official must devote sufficient time to this role to meet the expectations and functions outlined in sections 101 and 302 of the Evidence Act[51] and reflected in this Memorandum.

III. Qualifications for Statistical Officials

Each Statistical Official must have appropriate expertise. This includes:

- Demonstrated ability to plan, implement, and direct large-scale ongoing and new statistical programs;
- Demonstrated experience in research and statistics as evidenced by published papers, presentations at professional meetings, and national recognition as an authority in a statistical field;
- Demonstrated ability to build and maintain productive relationships with high-level government policy officials, academics, scholars in research organizations, officials in international organizations, and stakeholders;
- Outstanding communication and analytical capabilities;
- Knowledge of Federal privacy and confidentiality laws and regulations as they relate to the curation of data records, the conduct of data collection activities, and the production of

[49] *See id.* The 13 principal statistical agencies are the Bureau of Economic Analysis (BEA) in the U.S. Department of Commerce; Bureau of Justice Statistics (BJS) in the U.S. Department of Justice; Bureau of Labor Statistics (BLS) in the U.S. Department of Labor; Bureau of Transportation Statistics (BTS) in the U.S. Department of Transportation; Census Bureau in the U.S. Department of Commerce in the U.S. Department of Commerce; Economic Research Service (ERS) in the U.S. Department of Agriculture; Energy Information Administration (EIA) in the U.S. Department of Energy; National Agricultural Statistics Service (NASS) in the U.S. Department of Agriculture; National Center for Education Statistics (NCES) in the U.S. Department of Education; National Center for Health Statistics (NCHS) in the U.S. Department of Health and Human Services; National Center for Science and Engineering Statistics (NCSES) in the National Science Foundation; Office of Research, Evaluation, and Statistics (ORES) in the Social Security Administration; and Statistics of Income Division (SOI) in the Internal Revenue Service.

[50] 44 U.S.C. § 3563(a).

[51] 5 U.S.C. § 311 *et seq.*; 44 U.S.C. § 3561 *et seq.*

one-time and recurring statistical products;

- Broad and comprehensive technical knowledge of statistical principles, theory and methodology, and their application to issues in the agency's subject area; and
- Extensive knowledge of statistical programs and related functions and responsibilities of entities within the agency, as well as a thorough knowledge of statistical programs of other government agencies.

IV. Responsibilities of Statistical Officials

The Statistical Official will direct and coordinate statistical policy for the agency and will be expected to perform the following functions:

- Serve as the:
  - Agency champion for data quality to ensure data relevance (e.g., by validating that data are appropriate, accurate, objective, accessible, useful, understandable, and timely), harness existing data (e.g., by identifying data needs and reusing data if possible), anticipate future uses (e.g., by building interoperability of data from its inception), and demonstrate responsiveness (e.g., by improving data collection, analysis, and dissemination with ongoing input from users and stakeholders);[52]
  - Agency champion for confidentiality protection and appropriate data access for agency data collected with legal or other restrictions on use or release;[53]
  - Agency senior advisor for statistical policy, including establishing policies to enable agencies to produce and disseminate relevant and timely statistical information, conduct credible and accurate statistical activities, conduct objective statistical activities, and protect the trust of information providers by ensuring the confidentiality and exclusive statistical use of their responses;[54]
  - Agency senior advisor for statistical techniques to ensure the use of techniques that provide optimal levels of data quality and confidentiality; and
  - Agency senior advisor for statistical procedures that implement desired policies and techniques systematically and efficiently.[55]

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[52] *See* Office of Mgm't & Budget, Exec. Office of the President, OMB M-19-01, Request for Agency Feedback on the Federal Data Strategy, Federal Data Strategy, Principles 4-7 (2019), *available at* https://www.whitehouse.gov/wp-content/uploads/2018/10/M-19-01.pdf ("Conscious Design").

[53] *See id.* Federal Data Strategy, Principle 2 ("Exercise Responsibility").

[54] Section 302(a) of the Evidence Act requires statistical agencies and units to perform these functions through the application of policies, best practices and procedures, and requires agency heads to "enable, support, and facilitate" their performance of these responsibilities. 44 U.S.C. § 3563. Such policies, best practices, and procedures should also be promoted at the agency level.

[55] Section 101(a) of the Evidence Act requires the designated statistical official to "to advise on statistical policy, techniques, and procedures," and directs that "(a)gency officials engaged in statistical activities may consult with any such statistical official as necessary." 5 U.S.C. § 314(a). Section 101(a) further requires that "Each statistical official designated under subsection (a) shall serve as a member of the Interagency Council on Statistical Policy established under section 3504(e)(8) of title 44." 5 U.S.C. § 314(b).

- Oversee:
  - Development of agency data quality standards to ensure that quality standards described in the Information Quality Act and Paperwork Reduction Act are met for statistical products produced by any part of the agency, including the provision of metadata to meet stakeholder needs and the permission to use privacy-enhancing technologies whose use requires significant amounts of documentation; and
  - Development of agency confidentiality standards to appropriately safeguard sensitive information contained in the agency's data assets.

The Statistical Official is expected to play a significant role in the agency's data governance activities, such as serving on the Data Governance Body. The Statistical Official is also expected to collaborate and consult regularly with other senior leaders such as the CDO[56] and Evaluation Officer on issues such as statistical methodologies, data access, data acquisition and linkage, protecting confidential data, and providing input to the learning agenda.

According to section 101(a) of the Evidence Act, "(e)ach statistical official . . . shall serve as a member of the Interagency Council on Statistical Policy" (ICSP).[57] The ICSP, which is chaired by the Chief Statistician of the United States and coordinated within OMB's Office of Information and Regulatory Affairs (OIRA), will include the heads of each of the 13 principal statistical agencies, as well as the Statistical Official designated by the other CFO Act agency heads pursuant to the Evidence Act. [58]

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[56] Section 202(e) of the Evidence Act specifies the functional relationship of the Statistical Official with the Chief Data Officer. *See* 44 U.S.C. § 3520(d)(1) ("To the extent necessary to comply with statistical laws, the Chief Data Officer of an agency shall delegate any responsibility under subsection (c) to the head of a statistical agency or unit (as defined in section 3561) within the agency."); *id.* § 3520(d)(2) ("To the extent permissible under law, the individual to whom a responsibility has been delegated under paragraph (1) shall consult with the Chief Data Officer of the agency in carrying out such responsibility."); *id.* § 3520(d)(3) ("The Chief Data Officer of the agency shall defer to the individual to whom a responsibility has been delegated under paragraph (1) regarding the necessary delegation of such responsibility with respect to any data acquired, maintained, or disseminated by the agency under applicable statistical law.").

[57] 5 U.S.C. § 314(b).

[58] *See supra* note 43 for a listing of the 13 principal statistical agencies.

APPENDIX D: FURTHER GUIDANCE ON ASSESSMENTS AND PLANNING

Annual Evaluation Plan

I. Purpose

The Evidence Act requires agencies to develop an Annual Evaluation Plan to be submitted in conjunction with the agency's Annual Performance Plan. These evaluation plans, per the Evidence Act, describe the evaluation activities the agency plans to conduct in the fiscal year following the year in which the performance plans are submitted and should include "significant" evaluations related to the learning agenda and any other "significant" evaluation, such as those required by statute.[59] The significance of an evaluation study should be defined by each agency and take into consideration factors such as the importance of a program or funding stream to the agency mission; the size of the program in terms of funding or people served; and the extent to which the study will fill an important knowledge gap regarding the program, population(s) served, or the issue(s) that the program was designed to address. Agencies should clearly state their criteria for designating evaluations as "significant" in their plans.

Evaluation plans offer agencies the opportunity to plan and document their approach to evaluation and, in particular, how their intended evaluations will support the agency's learning agenda. These plans will describe the systematic collection and analysis of information about the characteristics and outcomes of programs, projects, and processes as a basis for judgments, to improve effectiveness, and/or inform decision-makers about current and future activities. Annual Evaluation Plans support effective and efficient government by requiring agencies to think proactively and methodically about how they will use evaluation to help them operationalize and implement the activities needed to answer the agency's key questions as laid out in the learning agenda. Further, the publication of these plans supports more effective government as it allows the public to understand what an agency plans to evaluate and how it plans to do so. Publication also holds the agency accountable to undertake those activities. As evaluation is only one of many types of evidence that agencies will use to answer the priority questions identified in their learning agendas, the Annual Evaluation Plan is meant to help agencies chart their evaluation activities, and thus should reflect an agency's needs, priorities, and structure.

A number of agencies already use evaluation plans or comparable documents internally as a way to organize and monitor their evaluation activities. However, few agencies publish these plans to the extent required in Section 101 of the Evidence Act.[60] The Evidence Act, for the first time, requires agencies to create these documents consistently and to publish them. Importantly, this requirement to publish Annual Evaluation Plan will foster greater accountability and transparency in Federal evaluation activities and, ideally, the results of those activities. Having a written evaluation plan will foster openness and encourage agreement with and support of the purpose, use, and users of the evaluation results. OMB recognizes that each agency is different,

[59] Per section 101(a) of the Evidence Act, "[t]he term 'evaluation' means an assessment using systematic data collection and analysis of one or more programs, policies, and organizations intended to assess their effectiveness and efficiency." 5 U.S.C. § 311(3).
[60] 5 U.S.C. § 312(b).

and that there will be no single approach or structure for the Annual Evaluation Plan that will work for all agencies.

II. Creating an Annual Evaluation Plan

Requirements for an Annual Evaluation Plan

The Evidence Act requires CFO Act agencies to issue an Annual Evaluation Plan concurrent with the Annual Performance Plan. Additionally, OMB strongly encourages non-CFO Act agencies, as well as sub-agencies, operational divisions, bureaus within CFO Act agencies to develop and implement their own evaluation plans that tie into and are consistent with, but not limited by, the agency-wide plan as appropriate.

Management and Leadership of the Process

Per the Evidence Act, the agency's designated Evaluation Officer shall lead, coordinate, develop, and implement the Annual Evaluation Plan. The Evaluation Officer shall play a leading technical role in the development and implementation of the Annual Evaluation Plan at the agency level and also support efforts to develop evaluation plans at the sub-agency, operational division, or bureau level, particularly as the activities in those plans relate to the agency-wide evaluation plan and learning agenda. Depending on the agency, other senior leaders may play an important role in creating the Annual Evaluation Plan. Agency leaders are also critical partners in developing these plans, as their support and buy-in to planned evaluation activities are essential for their success.

Stakeholder Engagement

Agencies should consult with internal and external stakeholders as they develop and implement their initial Annual Evaluation Plan and those that will follow. This engagement will likely differ by agency depending on its needs, stakeholders, evaluation activities, etc. Internal consultation within the agency should, at a minimum, include those offices and staff that have a role in either undertaking evaluations or using their results. OMB also encourages broader consultation with additional stakeholders to the extent feasible and appropriate. OMB recognizes that extensive consultation on an annual basis may be challenging, and urges agencies to undertake processes to engage stakeholders as effectively and efficiently as possible. The process of stakeholder consultation, particularly within an agency, on evaluation plans supports collaboration and a sense of shared purpose, which increases the utility of evaluation findings to improve program effectiveness for the people and communities served.

Timing of Activities to be Included in the Plan

The Annual Evaluation Plan will describe the evaluation activities the agency intends to conduct based on the learning agenda (discussed further in Appendix B) and other statutory mandates during the fiscal year following the year that the plan is submitted (i.e., for plans that outline evaluation activities for FY 2022, agencies will submit draft plans to OMB in FY 2020 with

posting of final Annual Evaluation Plans in February 2021). Following the initial submission of the Annual Evaluation Plan, agencies can use future submissions to update and revise previously planned evaluation activities based on work conducted and new developments.

Content of the Annual Evaluation Plan

Agencies are encouraged to create Annual Evaluation Plans that reflects the agency's needs and activities. The plan should not be a laundry list of agency evaluation activities. Rather, it should explain how, taken together, the planned evaluation activities help to answer the priority evaluation questions identified in the learning agenda, and either build upon or lay the foundation for other evidence-building activities. At a minimum, an agency's Annual Evaluation Plan shall describe the elements outlined below.

Questions to Be Answered. Annual Evaluation Plans shall describe the key questions to be addressed by each significant evaluation study or phase of an existing evaluation study that the agency plans to begin in the next fiscal year (i.e., the time period covered by the Annual Evaluation Plan).[61] In discussing key questions, evaluation plans may necessarily need to describe a program's purpose, goals, and objectives, as well as discuss how program activities are linked to their intended effects. As appropriate, agencies may consider including program logic models in their evaluation plans to visually depict how a program being evaluated is expected to function and achieve its goals, specifying the program's inputs, activities, outputs, and outcomes. In this section, agencies should also discuss any evaluation activities that relate to its proposed regulatory actions in the Unified Agenda of Federal Regulatory and Deregulatory Actions, recognizing that these activities often need to occur well before the development of economically significant regulatory actions. To the extent that earlier evaluation activities influence the activities proposed in the evaluation plan, those should also be mentioned (e.g., revisions to evaluation questions based on a review of preliminary findings).

Information Needed for Evaluations. Annual Evaluation Plans shall describe the key information that will be used in the evaluations outlined in the plan. Specifically, agencies shall note whether they will undertake new information collections as part of the evaluation studies discussed or if they will acquire existing information for those evaluations.

Methods to Be Used. Annual Evaluation Plans shall describe the methods that agencies intend to use for the evaluations. To the extent practicable, agencies shall articulate the evaluation design (e.g., experimental design or randomized controlled trial, quasi-experimental design, pre-post design, implementation study). As appropriate, agencies may also discuss any other analytic considerations, such as planned subgroups of interest. OMB recognizes that providing this level of detail in advance of the actual initiation of evaluation activities may pose challenges for some agencies, particularly if they use independent, third-party organizations to conduct program evaluations and rely on those organizations to provide expert opinions on evaluation designs. Nevertheless, it is OMB's expectation that in undertaking evaluations, agencies will use the most

[61] The significance of an evaluation study should be defined by each agency and take into consideration factors such as the importance of a program or funding stream to the agency mission, the size of the program in terms of funding or people served, the extent to which the study will fill an important knowledge gap regarding the program, population(s) served, or the issue(s) that the program was designed to address. Agencies should clearly state their criteria for designating evaluations as "significant" in their plan.

appropriate method for the research question being asked. To that end, agencies may include methods that are most appropriate to answer the key questions included in evaluation plans, with the expectation that agencies will update any methods in future iterations of the Annual Evaluation Plan.

Anticipated Challenges. To the extent feasible and appropriate, agencies should discuss anticipated challenges posed by the evaluations included in the Annual Evaluation Plan. For instance, agencies may anticipate that following participants for several years to measure the long-term impacts of a program or intervention will be challenging, particularly if the population being studied is mobile. In this case, the agency might discuss ways to address sample attenuation. Conversely, agencies may encounter unexpected challenges that necessitate revisions to previously submitted evaluation plans.

Dissemination. Central to an agency's plans for evaluation activities is how the agency proposes to disseminate and use the results of those activities. The Evidence Act is clear that agencies should enhance their capacity to build and use evidence. Thus, agencies should think about and plan for how they will use evaluation results in making decisions about the programs, policies, and regulations of the agency before they begin evaluations and not as an afterthought. To the extent feasible, agencies' Annual Evaluation Plans should include discussion of how they intend to disseminate and use results for program, policy, and regulatory decision-making, in accordance with applicable law and policies governing the collection, use, and disclosure of data and information.

OMB recognizes that forecasting evaluation activities in advance, including the information described above, may be challenging. In their Annual Evaluation Plans, agencies should address the above categories of information in the level of detail that is feasible and appropriate given other considerations, such as availability of funding, procurement processes, data needs, and related matters. Agencies should be mindful of other laws relating to these areas, including the Antideficiency Act, the Federal Acquisition Regulation, agency-specific acquisition regulations, and any other applicable laws.

As agency learning agendas are expected to include a range of methods and types of evidence (e.g., foundational fact finding, performance measurement, policy analysis, and program evaluation) that could be brought to bear to answer the priority questions identified, it is understood that evaluation will only be one of those methods and be relevant for answering only some of the identified questions. The Evidence Act requires agencies to provide information on significant evaluation activities planned. At a minimum, it is OMB's expectation that agencies will include program evaluation activities in their Annual Evaluation Plans. However, to the extent that agencies would like to provide context for their evaluation plan by describing other evidence-building activities they plan to undertake, they are encouraged to do so.

Capacity Assessment

The requirement to carry out a capacity assessment applies to the 24 Federal agencies covered by the CFO Act. Non-CFO Act agencies, as well as sub-agencies, operational divisions, bureaus within CFO Act agencies are strongly encouraged to carry out a capacity assessment as

appropriate. The capacity assessment, per the Evidence Act, requires that agencies provide a list of existing activities (e.g., programs, initiatives, etc.) and operations (e.g., administrative and support tasks) that are being evaluated or analyzed.[62] Led by the Evaluation Officer, it must also include a determination of the extent to which the agency's evaluations, research and analysis efforts, and related activities are appropriate in terms of:

- Supporting agency needs;
- Balancing agency needs for learning and management, performance and strategic management, interagency and private sector coordination, and oversight and accountability; and
- Using appropriate methodologies.

Finally, the Capacity Assessment must determine current agency capacity for:

- Planning and implementing evaluation activities, disseminating best practices and findings, and incorporating employee views and feedback; and
- Carrying out capacity-building activities in order to use evaluation research and analysis approaches and data in the day-to-day operations.

The Capacity Assessment will provide senior officials with information needed to fulfill the Evidence Act's intent to improve the agency's ability to support the development and use of evaluation, coordinate and increase technical expertise available for evaluation and related research activities within the agency, and improve the quality of evaluations and knowledge of evaluation methodology and standards.

Agencies are encouraged to conduct their Capacity Assessment using a format and process best suited to their agency context but which produces an understanding of their agency's strengths and weakness and promotes the planning for and development of effective capacity-building activities. The Capacity Assessment is expected to provide agencies with a baseline against which they can measure improvements to the coverage, quality, methods, effectiveness, and independence of their agency statistics, evaluation, research, and analyses. OMB will provide additional information on the content of this assessment in future communications.

[62] 5 U.S.C. § 306(a)(8)

APPENDIX E: IMPLEMENTATION RESOURCES FOR AGENCIES

OMB recognizes that agencies may need additional resources and support to implement the Evidence Act requirements addressed in this guidance. Below are several resources that agencies are encouraged to consult and use as they implement these requirements.

Designated Official Orientation and Ongoing Training

As noted in the Memo, all designated officials (i.e., Chief Data Officers, Evaluation Officers, and Statistical Officials) must attend an Evidence Act orientation hosted by OMB in **September 2019** focused on how to undertake and operationalize these positions. It is OMB's expectation that this orientation will provide concrete tools for these designees, as well as an opportunity to build a network for peer learning.

Federal Data Strategy Tools

The Federal Data Strategy is currently developing a series of tools that agencies can use to support a range of data-related activities. As they become available, these tools will be available at https://resources.data.gov.

Evidence and Evaluation Community of Practice

The OMB Evidence and Evaluation Community page on MAX (*available at* https://community.max.gov/x/iA_OJQ) includes a curated library of materials to support agencies in developing learning agendas, writing annual evaluation plans, conducting capacity assessments, and general program evaluation activities, including:

- Example agency documents (e.g., learning agendas, evaluation plans, assessments);
- Toolkits and other reference tools;
- Training opportunities; and
- Other materials related to Evidence Act implementation.

Title II Open data Act

SEC. 202. OPEN government data.

(a) Definitions.—Section 3502 of title 44, United States Code, is amended—

(1) in paragraph (13), by striking "; and" at the end and inserting a semicolon;

(2) in paragraph (14), by striking the period at the end and inserting a semicolon; and

(3) by adding at the end the following new paragraphs:

by adding at the end the following new paragraphs:

"(15) the term 'comprehensive data inventory' means the inventory created under section 3511(a), but does not include any underlying data asset listed on the inventory;

"(16) the term 'data' means recorded information, regardless of form or the media on which the data is recorded;

"(17) the term 'data asset' means a collection of data elements or data sets that may be grouped together;

"(18) the term 'machine-readable', when used with respect to data, means data in a format that can be easily processed by a computer without human intervention while ensuring no semantic meaning is lost;

"(19) the term 'metadata' means structural or descriptive information about data such as content, format, source, rights, accuracy, provenance, frequency, periodicity, granularity, publisher or responsible party, contact information, method of collection, and other descriptions;

"(20) the term 'open Government data asset' means a public data asset that is—

"(A) machine-readable;

"(B) available (or could be made available) in an open format;

"(C) not encumbered by restrictions, other than intellectual property rights, including under titles 17 and 35, that would impede the use or reuse of such asset; and

"(D) based on an underlying open standard that is maintained by a standards organization;

"(21) the term 'open license' means a legal guarantee that a data asset is made available—

"(A) at no cost to the public; and

“(B) with no restrictions on copying, publishing, distributing, transmitting, citing, or adapting such asset;

“(22) the term ‘public data asset’ means a data asset, or part thereof, maintained by the Federal Government that has been, or may be, released to the public, including any data asset, or part thereof, subject to disclosure under section 552 of title 5; and

“(23) the term ‘statistical laws’ means subchapter III of this chapter and other laws pertaining to the protection of information collected for statistical purposes as designated by the Director.”

>>>>>>>>>>>>>>>>>>

§ 3511. Data inventory and Federal data catalogue

“(a) Comprehensive data inventory.—

“(1) IN GENERAL.—In consultation with the Director and in accordance with the guidance established under paragraph (2), the head of each agency shall, to the maximum extent practicable, develop and maintain a comprehensive data inventory that accounts for all data assets created by, collected by, under the control or direction of, or maintained by the agency. The head of each agency shall ensure that such inventory provides a clear and comprehensive understanding of the data assets in the possession of the agency.

“(2) GUIDANCE.—The Director shall establish guidance for agencies to develop and maintain comprehensive data inventories under paragraph (1). Such guidance shall include the following:

“(A) A requirement for the head of an agency to include in the comprehensive data inventory metadata on each data asset of the agency, including, to the maximum extent practicable, the following:

“(i) A description of the data asset, including all variable names and definitions.

“(ii) The name or title of the data asset.

“(iii) An indication of whether or not the agency—

“(I) has determined or can determine if the data asset is—

“(aa) an open Government data asset;

“(bb) subject to disclosure or partial disclosure or exempt from disclosure under section 552 of title 5;

“(cc) a public data asset eligible for disclosure under subsection (b); or

“(dd) a data asset not subject to open format or open license requirements due to existing limitations or restrictions on government distribution of the asset; or

“(II) as of the date of such indication, has not made such determination.

“(iv) Any determination made under section 3582, if available.

“(v) A description of the method by which the public may access or request access to the data asset.

“(vi) The date on which the data asset was most recently updated.

“(vii) Each agency responsible for maintaining the data asset.

“(viii) The owner of the data asset.

“(ix) To the extent practicable, any restriction on the use of the data asset.

“(x) The location of the data asset.

“(xi) Any other metadata necessary to make the comprehensive data inventory useful to the agency and the public, or otherwise determined useful by the Director.

“(B) A requirement for the head of an agency to exclude from the comprehensive data inventory any data asset contained on a national security system, as defined in section 11103 of title 40.

“(C) Criteria for the head of an agency to use in determining which metadata required by subparagraph (A), if any, in the comprehensive data inventory may not be made publicly available, which shall include, at a minimum, a requirement to ensure all information that could not otherwise be withheld from disclosure under section 552 of title 5 is made public in the comprehensive data inventory.

“(D) A requirement for the head of each agency, in accordance with a procedure established by the Director, to submit for inclusion in the Federal data catalogue maintained under subsection (c) the comprehensive data inventory developed pursuant to subparagraph (C), including any real-time updates to such inventory, and data assets made available in accordance with subparagraph (E) or any electronic hyperlink providing access to such data assets.

“(E) Criteria for the head of an agency to use in determining whether a particular data asset should not be made publicly available in a manner that takes into account—

“(i) risks and restrictions related to the disclosure of personally identifiable information, including the risk that an individual data asset in isolation does not pose a privacy or confidentiality risk but when combined with other available information may pose such a risk;

“(ii) security considerations, including the risk that information in an individual data asset in isolation does not pose a security risk but when combined with other available information may pose such a risk;

“(iii) the cost and benefits to the public of converting the data into a format that could be understood and used by the public;

“(iv) whether the public dissemination of the data asset could result in legal liability;

“(v) whether the data asset—

> “(I) is subject to intellectual property rights, including rights under titles 17 and 35;
>
> “(II) contains confidential business information, that could be withheld under section 552(b)(4) of title 5; or
>
> “(III) is restricted by contract or other binding, written agreement;

“(vi) whether the holder of a right to such data asset has been consulted;

“(vii) the expectation that all data assets that would otherwise be made available under section 552 of title 5 be disclosed; and

“(viii) any other considerations that the Director determines to be relevant.

“(F) Criteria for the head of an agency to use in assessing the indication of a determination under subparagraph (A)(iii) and how to prioritize any such subsequent determinations in the strategic information management plan under section 3506, in consideration of the existing resources available to the agency.

“(3) REGULAR UPDATES REQUIRED.—With respect to each data asset created or identified by an agency, the head of the agency shall update the comprehensive data inventory of the agency not later than 90 days after the date of such creation or identification.

“(b) Public data assets.—The head of each agency shall submit public data assets, or links to public data assets available online, as open Government data assets for inclusion in the Federal data catalogue maintained under subsection (c), in accordance with the guidance established under subsection (a)(2).

“(c) Federal data catalogue.—

“(1) IN GENERAL.—The Administrator of General Services shall maintain a single public interface online as a point of entry dedicated to sharing agency data assets with the public, which shall be known as the ‘Federal data catalogue’. The Administrator and the Director shall ensure that agencies can submit public data assets, or links to public data assets, for publication and public availability on the interface.

“(2) REPOSITORY.—The Director shall collaborate with the Office of Government Information Services and the Administrator of General Services to develop and maintain an online repository of tools, best practices, and schema standards to facilitate the adoption of open data practices across the Federal Government, which shall—

“(A) include any definitions, regulations, policies, checklists, and case studies related to open data policy;

“(B) facilitate collaboration and the adoption of best practices across the Federal Government relating to the adoption of open data practices; and

“(C) be made available on the Federal data catalogue maintained under paragraph (1).

“(3) ACCESS TO OTHER DATA ASSETS.—The Director shall ensure the Federal data catalogue maintained under paragraph (1) provides information on how the public can access a data asset included in a comprehensive data inventory under subsection (a) that is not yet available on the Federal data catalogue, including information regarding the application process established under section 3583 of title 44.

From: D'Souza, Ivor (NIH/NLM) [E]
Sent: 23 Jul 2019 19:32:45 +0000
To: Potvin, Donald (NIH/NLM) [E];Shuler, Rex (NIH/NLM) [E]
Cc: Danielson, Todd (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Ma, Wei (NIH/NLM) [E]
Subject: RE: ACTION: Provide Public Facing Website Status – NLM [Due 08/02/19]
Attachments: IDEA-Data-Call-2019-07-NLM.xlsx

Joe,

We'll need your help with this data collection exercise. You'll likely need to send each of the divisions their own rows of data so they can fill them out and send back to you. Once you've completed the data collection, please forward it to Rex for internal recording and sending it forward to NIH.

Please don't hesitate to get in touch with Rex or me if you have any questions.

Thanks!!!

Ivor

From: NIH CIO Communications (NIH/OD) <nihciocommunications@mail.nih.gov>
Sent: Monday, July 22, 2019 3:52 PM
To: D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Danielson, Todd (NIH/NLM) [E] <danielst@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Shuler, Rex (NIH/NLM) [E] <shulerr@mail.nlm.nih.gov>; NIH IT Data Call <nihitdatacall@mail.nih.gov>
Subject: ACTION: Provide Public Facing Website Status – NLM [Due 08/02/19]

All,

HHS is requesting data on NIH's public facing websites in response to the requirements of the *21st Century Integrated Digital Experience* (IDEA) Act, which was signed into law on Dec. 20, 2018

The attached spreadsheet includes your IC's websites which were submitted to HHS in prior data calls.

Please review it for accuracy and make corrections and additions as necessary. Please do not include social media accounts, mobile apps, email lists or other digital communications tools. Your response should only include websites maintained and managed by your IC.

Please provide a single, coordinated response for your IC by COB Friday, August 2, 2019 to nihitdatacall@mail.nih.gov.

Please include ALL your IC's public facing websites, including any Scientific Databases and Applications. There is a column in the spreadsheet to identify them so that these sites will not be reported beyond the HHS level.

If you have questions about any of the individual elements, please contact NIH IT Data Call at nihitdatacall@mail.nih.gov.

Thanks!

Website Type	Name of Website	URL	Status	Hosting Server	Hosting Type	Platform (if platform is not available in the dropdown, please specify the platform in the comments)	Language (if open source)	Date of Last Update	On-Board (has the owner of the site been informed about the Guidelines?)	GM Guidance (Conform with requirements of Guidelines)	Archive/Storage (Is the government approved Records Disposal Schedule adhered to and how long is the data kept?)	Content Checks (Is there a review process in place to check the content before it is published?)	Search (Is there a search engine on the website that allows users to easily search content relevant to public use)	UI/UX (Does the site through an industry standard interface guideline)	Site structure clarities (Is it easy to navigate the website with clear sitemap and are different key management and citizen's centric services)	Transactional/Efficient and Secure (Allows users to complete digital transactions, e.g. Submission of forms, Payment, Data Transmission, etc.)	Others (1. Is the transactional and usable on a personal mobile device) (2. Is there a page count specified for the website) (3. Is the website hosted in-house or outsourced to a vendor)	Scientific Database Application (Does the website's content fall under any scientific database application)	Notes (i.e. recommended by who)
Website	SMART Malaysia	https://smart.rdc.nl.gov/	Live	NLM		.Net		6/10/2564											
Website	Chemistry	https://chemistry.rdc.nl.gov/	Live	NLM		Java		6/10/2564											
Website	Math Kids	https://mathkids.rdc.nl.gov/	Live	NLM		PHP		6/10/2564											
Website	Math Kids	https://mathkids.rdc.nl.gov/	Live	NLM		PHP		6/10/2564											
Website	Arid Quest - The Hydrilla Bureau Project	https://bureauproject.rdc.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Crime Ontology for Malaysia	https://ontology.nlmonth.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Crime Ontology for Malaysia	https://ontology.nlmonth.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Indexing Initiative	https://in.dev.nl.gov	Live	NLM/ADC	N/A	Laravel/HTML	N/A	21-Feb-22											
Website	I-Digry	https://imagi.dev.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	GAPURA Project: In Memory Processing for Fulltime Online Analytic (GAPURA) System	https://mapuraolinenlm.gov	Live	NLM/ADC	N/A	C#	N/A	21-Feb-22											
Website	LMS Demo Arena	https://lmsmo.fte.nlm.nlk.gov https://lmsmo.dems.dev.nlk.gov	Live	NLM/ADC	N/A	Moodle	N/A	21-Feb-22											
Website	Live HD National Canine Tumour Histopathology Classification	https://lmsdc.nlm.nlk.gov	Live	NLM/ADC	N/A	Wrapid	N/A	21-Feb-22											
Website	LexiPrimer Tutor	https://lpt.dcc.nl.gov	Live	NLM/ADC	N/A	Java FX	N/A	21-Feb-22											
Website	Medical Overdose Research	https://mor.nlm.nlk.gov	Live	NLM/ADC	N/A	Linux/PHP	N/A	21-Feb-22											
Website	Mindtap	https://mindtap.nlm.nlk.gov	Live	NLM/ADC	N/A	Java FX	N/A	21-Feb-22											
Website	Mindtap	https://mindtap.nlm.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Mitsi Platform (Lexicography-assessment)	https://pkedi.nlk.nlk.gov	Live	NLM/ADC	N/A		N/A	21-Feb-22											
Website	Newborn Screening Waiting Time Calculator	https://newborn-screening.pkdj.nlmonth.gov	Live	NLM/ADC	N/A	Java	N/A	22-Feb-22											
Website	Ali Pharma Inc.	https://kedp.dcc.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	22-Feb-22											
Website	Alerts 1	https://kpert.nlk.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	22-Feb-22											
Website	Alerts 2 - Mobile	https://kpert.nlk.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	22-Feb-22											
Website	NFM Nebulae Backend Portal (NFP)	https://kedc.dcc.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	22-Feb-22											
Website	Freight Tracker	https://ptsfm.nlk.gov	Live	NLM/ADC	N/A	Apache	Hyperskill Experience Mentor https://hyperskill.org/? modified=Mentorship/Web	21-Feb-22											
Website	iPay eMed	https://ipayemed.nlm.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Prehistoric Science	https://pscifi.nlmonth.gov	Live	NLM/ADC	N/A	Java	N/A	21-Feb-22											
Website	Repository for Informed Decision Making (RFIDM)	https://ebrary.telkomuniversity.ac.id/login/	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Tracker v2	https://trackingv2.nlm.nlk.gov	Live	NLM/ADC	N/A			21-Feb-22											
Website	Relay	https://relay.nlmonth.gov	Live	NLM/ADC	N/A			21-Feb-22											
Website	3D Terrain Demo	https://kedm-terrain.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Gateway	https://gateway.nlmonth.gov	Live	NLM/ADC	N/A	Tomcat	N/A	21-Feb-22											
Website	Test	https://pkn-demo.dcc.nl.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Spelling	https://spell.nlm.nlk.gov	Live	NLM/ADC	N/A	Apache	N/A	21-Feb-22											
Website	Semantic Knowledge Representation	https://skr.nlk.nlk.gov	Live	NLM/ADC	N/A	LAMP	N/A	21-Feb-22											
Website	Pharmaceutical Unwanted Presence Alert Tools	https://spacealert.dcc.nl.gov	Live	NLM/ADC	N/A	LAMP	N/A	22-Feb-22											
Website	Structural Lithotomy Method (SLM)	https://slm.kedcollaboration.nlmonth.gov	Live	NLM/ADC	N/A	LAMP	N/A	21-Feb-22											
Website	Malaysia Map Display	https://kedc.dcc.nl.gov/mmdisplay	Live	NLM/ADC	N/A	Mondrian	Vanish (Linux)	21-Feb-22											
Website	Cloud Control Cart (CCC)	https://ccc.dcc.nl.gov	Live	NLM/ADC	N/A			21-Feb-22											
Website	SCAM Tools	https://scamtools.nlm.gov	Live	NLM/ADC	N/A	Tomcat	N/A	21-Feb-22											
Website	GIS Extension Network	https://extensionnetwork.dcc.nl.gov	Live	NLM/ADC	N/A			21-Feb-22											
Website	Kedlang Portal	https://kedlang.nlm.nlk.gov	Live	NLM				21-Feb-22											
Website	Kedlang Docs and Tutorial	https://kedlangdocs.nlm.nlk.gov	Live	NLM		Apache HTTPd		21-Feb-22											
Website	National Library of Medicine Medical Subject Headings (MeSH) Browser	https://meshbrowser.gov/	Live	NLM		Local Terminal		22-Feb-22											
Website	Medical Natural Language Agent (MedL)	https://www.nlm.nlk.gov/research/medl/	Live	NLM		Local Terminal		22-Feb-22											
Website	Solar Mi Academy Server	https://www.dcc.nl.gov	Live	NLM		Local Terminal		22-Feb-22											
Website	NFI CSI Repository	https://csi.nlm.nlk.gov/nfi/	Live	NLM		Local Terminal		22-Feb-22											
Website	Kedlang Docs	https://kedlangdocs.nlm.nlk.gov/	Live	NLM		Wrapid Tomcat		22-Feb-22											
Website	Digital Initiatives	https://kedlabdocs.dcc.nl.gov/	Live	NLM		Local Terminal		21-Feb-22											
Website	Archplot	https://archplot.dcc.nlk.gov/kdl-plot/	Live	NLM		Kedlibraries/Tomcat		21-Feb-22											
Website	Kedlang Docs	https://kedlangdocs.nlm.nlk.gov/	Live	NLM		Apache HTTPd	Alex Argonauts	21-Feb-22											
Website	National Library of Medicine	https://www.nlm.nlk.gov/	Live	NLM		Apache HTTPd		21-Feb-22											
Website	National Network of Library of Medicine	https://nnlm.gov/	Live	NLM		TeamWork		21-Feb-22											
Website	National Library of Medicine Biotechnology Information	https://www.ncbi.nlm.nlk.gov/	Live	NLM		Wrapid		21-Feb-22											
Website	PERSAKI	https://pdc.dcc.nlm.gov/nlm/pdc/	Live	NLM			Alex Argonauts	21-Feb-22											

Sent: 25 Jul 2019 14:37:34 +0000
To: Dunn, Kathel (NIH/NLM) [E];Carolyn Kurowski
Cc: sandy.becker@me.com;Bryanne Reynolds;Ma, Wei (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

I'm trying to consider the purpose of this summary and expectations it inherently creates with those who don't attend. I'm not sure the details of adding an API or two are summary worthy.

That said, the text houldn't be "NLM offerings," in "consolidated Excel workbook of NLM offerings" Maybe "consolidated Excel workbook of SIS offerings that are moving to LO…"

I would remove the sp

From: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
Sent: Thursday, July 25, 2019 7:43 AM
To: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Wonderful! Thank you. Any additional edits anyone? I'd like to send out to staff (those who were at the 7/15 meeting as a way of continuing to keep them in the loop – Rebecca Warlow, Lisa Theisen, Stephanie Morrison, Sara Tybaert and others I may be forgetting).

Kathel

From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Sent: Wednesday, July 24, 2019 8:23 PM
To: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: Re: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Thanks Kathel,

I included one suggested edit below.

Carolyn Kurowski
Managing Partner
FMP Consulting
2900 South Quincy Street, Suite 200, Arlington, VA 22206
T (703) 671-6600, ext. 104 | C Personal Info | F (703) 671-6924
ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

On Jul 24, 2019, at 4:28 PM, Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov> wrote:

[EXTERNAL]
Strategic Workforce
7/24/19
Attending: Carolyn Kurowski, Sandy Becker, Joyce Backus, Stacey Arnesen, David Gillikin, Wei Ma, Dianne Babski, Kathel Dunn, Amanda Wilson, Bryanne Reynolds

The Strategic Workforce group met and reviewed a consolidated Excel workbook of NLM offerings based on lists currently in use by LO, ODPL and OCCS.. The goal is to establish a consistent list all groups can use as a reference point. The group reviewed missing data and entries with questions.

Missing data:

- 3 APIs (identified by David Gillikin)
- Need to include each individual TOXNET resource

The group reviewed entries with questions about primary organization (division) responsible, offering point of contact, other notes.

FMP will revise the list and send out for feedback before the group's July 31 meeting. Jeanne Goshorn is to be invited to the next meeting.

Questions raised by the group were:

- What are the expected timelines for working on the list?
- Should we look at the full Library Operations list?
- We need to develop a list of criteria for examining the suite of offerings

Kathel

Kathel Dunn, PhD
Associate Fellowship Program Coordinator
National Library of Medicine
8600 Rockville Pike, 2N-19
Bethesda, MD 20894

Kathel.dunn@nih.gov
301-827-4284

From: Dunn, Kathel (NIH/NLM) [E]
Sent: 25 Jul 2019 17:41:26 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Thank you. I'll add her to next few meetings.

Kathel

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Thursday, July 25, 2019 1:35 PM
To: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>; Carolyn Kurowski <CKurowski@fmpconsulting.com>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Thanks. I communicated with David and he agreed we should invite Jeanne to be a regular attendee of the group.

From: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
Sent: Thursday, July 25, 2019 1:27 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Carolyn Kurowski <CKurowski@fmpconsulting.com>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Ok. Message now revised to:

Strategic Workforce
7/24/19
Attending: Carolyn Kurowski, Sandy Becker, Joyce Backus, Stacey Arnesen, David Gillikin, Wei Ma, Dianne Babski, Kathel Dunn, Amanda Wilson, Bryanne Reynolds

The Strategic Workforce group met and reviewed a consolidated Excel workbook of SIS offerings that are moving to LO based on lists currently in use by LO, ODPL and OCCS.. The goal is to establish a consistent list all groups can use as a reference point. The group reviewed missing data and entries with

questions. The group reviewed entries with questions about primary organization (division) responsible, offering point of contact, other notes.

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- What are the expected timelines for working on the list?
- Should we look at the full Library Operations list?
- We need to develop a list of criteria for examining the suite of offerings

Kathel

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Thursday, July 25, 2019 1:17 PM
To: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>; Carolyn Kurowski <CKurowski@fmpconsulting.com>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

I'm trying to consider the purpose of this summary and expectations it may create. I'm not sure the details of adding an API or two are summary worthy.

That said, the text shouldn't be "NLM offerings," in "consolidated Excel workbook of NLM offerings" Maybe "consolidated Excel workbook of SIS offerings that are moving to LO…"

Joyce

From: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
Sent: Thursday, July 25, 2019 7:43 AM
To: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson,

Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Wonderful! Thank you. Any additional edits anyone? I'd like to send out to staff (those who were at the 7/15 meeting as a way of continuing to keep them in the loop – Rebecca Warlow, Lisa Theisen, Stephanie Morrison, Sara Tybaert and others I may be forgetting).

Kathel

From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Sent: Wednesday, July 24, 2019 8:23 PM
To: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: Re: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Thanks Kathel,

I included one suggested edit below.

Carolyn Kurowski
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On Jul 24, 2019, at 4:28 PM, Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov> wrote:

> [EXTERNAL]
> Strategic Workforce
> 7/24/19
> Attending: Carolyn Kurowski, Sandy Becker, Joyce Backus, Stacey Arnesen, David Gillikin, Wei Ma, Dianne Babski, Kathel Dunn, Amanda Wilson, Bryanne Reynolds

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Kathel

Kathel Dunn, PhD
Associate Fellowship Program Coordinator
National Library of Medicine
8600 Rockville Pike, 2N-19
Bethesda, MD 20894

Kathel.dunn@nih.gov
301-827-4284

From: Carolyn Kurowski
Sent: 27 Jul 2019 00:00:53 +0000
To: Gillikin, David (NIH/NLM) [E];Dunn, Kathel (NIH/NLM) [E]
Cc: sandy.becker@me.com;Bryanne Reynolds;Ma, Wei (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes
Attachments: Consolidated List of Offerings STATUS 26 JULY 2019.xlsx

Good evening everyone,

Attached is the updated version of the consolidated list of offerings. I have added the specific TOXNET resources included in the list I received from Grace that ODPL has been using as part of the sunsetting process. David and his team have also identified 12 apps that I included at the bottom of the list but did not get a chance to integrate just yet. I did include a column where I was able to identify a recent or imminent funding or POP date. The intent would be to discuss these items on Wednesday, along with the status of the green and red items. Please keep in mind our goal is to move forward with the evaluation of and decisions regarding our portfolio of projects.

Kathel, if I might ask, could you upload this version to Sharepoint? I continue to have connectivity issues.

David, Amanda and Stacey, could you (or a designated team member) review the list, particularly the critical items, to see if you would make any additions or changes? If you could also be prepared to discuss the Red and Green items assigned to your groups by Wednesday that would be great. David, as I mentioned in our earlier messages, I am happy to work with your team member to update the information regarding the apps.

Thank you all so much and have a wonderful weekend!!

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From: Carolyn Kurowski
Sent: Thursday, July 25, 2019 12:32 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
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Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Hi David,

Thank you for the note. Based on the conversation yesterday, I do expect we will need to discuss specific products during next week's meeting. The following are the three tasks we identified for the group to work on. I think we can get through the first two next week, and both of those require specific project knowledge. The third item can then be completed in the following meeting. Please let me know if you have concerns with this approach.

Proposed Agenda Items

1. Discuss projects that have an upcoming decision point or require guidance (e.g., contract or funding date in August) and decide on next steps (e.g., fund for one more year, begin sunsetting, fund incrementally)
2. Review green, red and purple products to confirm they are proceeding as planned
3. Decide on criteria, process and timeline for evaluating offerings

I am making the updates to the consolidated list we discussed yesterday. I will do an initial check of the products to see which one may have immediate dates or other issues identified that will require discussion. I will include a column indicated which ones might require discussion and why and share the revised document with the team by COB tomorrow.

Thanks,

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Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

[EXTERNAL]
Do we know the agenda for next week's meeting? I need to know whether or not to invite Jeanne to attend. If we are going to talk about specific products then we will need her there. If we are going to talk about review criteria for examining the list of offerings, she may not be needed.

Thanks
David

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Sent: Wednesday, July 24, 2019 8:23 PM
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National Library of Medicine
Inventory of Public-Facing Offerings

Offering Name	Red, Yellow, Green	Previous Organization Name	Primary Organization Name	Previous Offering Owner Name	Offering Point of Contact	Other Notes:	Status	Critical Issue
AIDSinfo	yellow	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Office of Communication and Public Liaison (OCPL)	Nicole Scott	Nicole Scott	Jerry is coordinating with OAR and NIAID to determine future course.		Funding coming due in September
AIDSsource	yellow	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Office of Communication and Public Liaison (OCPL)	Nicole Scott	Nicole Scott	Under study at LO to determine if integrating into Medlineplus		Funding coming due in September
AltBib	green	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Bert Hakkinen	Bert Hakkinen	Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page	Needs to be modified	
American Indian Health	Red	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Library Operations (LO) / Office of Engagement and Training	Laura Bartlett	Laura Bartlett		Sunsetting	
Arctic Health	Red	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Library Operations (LO) / Office of Engagement and Training	Laura Bartlett	Laura Bartlett		Sunsetting	
Chemical Hazards Emergency Medical Management (CHEMM)	yellow	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/PSD	Bert Hakkinen	Bert Hakkinen	PSD and BSD will review this jointly. Part of review of DIMRC		Funding and contract dure dates upcoming
ChemIDplus	yellow	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020		Critical recompete and funding date in September
ChemSpell	Red	Specialized Information Services (SIS)	Library Operations (LO)/BSD		Ying Sun, Jeanne Goshorn, Hua Chang	Remove from NLM Products & Services, no alternative references	Sunsetting	

DART (Developmental and Reproductive Toxicology)	Red	Specialized Information Services (SIS)	Library Operations (LO)/BSD		David Gillikin, Jeanne Goshorn, Phillip Thomas	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page. Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms	Sunsetting	
Data Discovery	Yellow	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	Library Operations (LO)/BSD	David Hale	David Hale			
Dietary Supplement Ingredient Database	Yellow	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn	Moving to ODS May, 2020. Then remove from the NLM Products & Services		
Dietary Supplement Label Database	Yellow	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn	Moving to ODS May, 2020. Then remove from the NLM Products & Services		
Disaster Information Management Research Center (DIMRC) website	Yellow	Specialized Information Services (SIS) / Disaster Information Management Research Center	Library Operations (LO)/PSD	Stacey Arnesen	Stacey Arnesen			Funding coming due in September
Disaster Lit: Database for Disaster Medicine and Public Health	Yellow	Specialized Information Services (SIS) / Disaster Information Management Research Center	Library Operations (LO)/PSD	Stacey Arnesen	Stacey Arnesen			
Drug Information Portal	purple	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn			

Enviromental Health Student Portal	purple	Specialized Information Services (SIS) / Office of the Director	OET	Alla Keselman	Alla Keselman	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products & services	Sunsetting	
Environmental Health and Toxicology Information	green	Specialized Information Services (SIS) / Biomedical Information Services Branch	PSD	Colette Hochstein	Colette Hochstein	Revise and migrate to NLM main site, not SIS		
GeneEd	Red	Specialized Information Services (SIS) / Office of the Director	OET	Alla Keselman	Alla Keselman	ICF-Q4 - awairing sunset approval some content to ToxTown		Funding coming due in September
Hazardous Substances Data Bank (HSDB)	purple	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI platforms in 2020		Had recent recompete dates; critical is those did not occur
HazMap	Red	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Pertti Hakkinen, David Gillikin, Jeanne Goshorn, Hua Chang	No longer aligned with NLM priorities or mission needs, Other: License ends in July 2019 and current plan is not to renew it. However, please note that Haz-Map is used within the Federal Government (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and by others. NIH's Division of Occupational Health and Safety lists it as Federal resource https://www.ors.od.nih.gov/sr/dohs/safety/workplace/Pages/Federal-	In development(?)	
HealthReach	purple	Specialized Information Services (SIS) / Outreach and Special Populations Branch	PSD	Laura Bartlett	Stephanie Morrison	Under study at LO to determine if integrating into Medlineplus. Need to figure out resources/funds - this is the content/Outreach part? Very little IT, done by FTE at OCCS; talk to Laura--what should happen? healthreach integrated into Med+; need task manager; OCCS will need support for IT; Nicole is asking for an estimate for support of HR - Laura replied: Health Reach will be integrated to MedlinePlus. Her involement will be ended in December 2019. Vivian		Funding date coming up.

Household Products Database	yellow	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	PSD	Pertti Hakkinen	Bert Hakkinen	Lucie Chen was previous owner; PSD and BSD need to decide		
Integrated Risk Information System (IRIS)	Red	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Jeanne Goshorn	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link to IRIS page at EPA. Retire in fall 2019; remove from NLM products &service list; needs a sunset plan	In development(?)	
International Toxicity Estimates for Risk (ITER)	purple	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Colette Hochstein, Pertti Hakkinen, David Gillikin, Jeanne Goshorn	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list. TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the	Sunsetting	
LactMed	purple	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Lucie Chen	Bert Hakkinen	Needs a long term discussion- being integrated into bookshelf. Issue of an APP. Needs COR - Bert? Very popular. Should not require significant time. Author is highly motivated and the tool is already integrated into bookshelf - working on recompetition now. Who manages other Bookshelf resources? Should it go there in the future? What is the process for resources going to Bookshelf, what is the model? Note: Even though this offering can be used by consumers, the content is NOT developed for consumers. May PSD would be an advisor in the future. Mobile apps (iPhone and Android)		Funding and contract date in July

LiverTox	yellow	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Pertti Hakkinen	Livertox will be taken over by NCBI bookshelf. The contents on the SIS server were updated on July 1st for the very last time. Ziying handed the files over to NCBI at the beginning of the month. It will take a few months for them to convert and host Livertox. Meanwhile, we will keep livertox running at NLM.		
NIH Disaster Research Response Program (DR2)	yellow	Specialized Information Services (SIS) / Disaster Information Management Research Center	Library Operations (LO)/PSD	Stacey Arnesen	Stacey Arnesen	Stacey to talk to NIEHS collabortor about the plan to sunset and determine other collaborations - Yellow not red?		
Pillbox	Yellow	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	Library Operations (LO)/BSD	David Hale	David Hale			
Radiation Emergency Medical Management (REMM)	Yellow	Specialized Information Services (SIS) / Office of the Director	PSD	Florence Chang	Jen Pakiam	Copy the CHEMM notes		
SIS main website	Red	Specialized Information Services (SIS) / Biomedical Information Services Branch	OCPL	Jeanne Goshorn	Lisa Theisen? Grace?			
SIS K-12 Program	Red	Specialized Information Services (SIS)			Alla Keselman		Sunsetting	
Substance Registration System	Green	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn			
Toxline	Purple	Specialized Information Services (SIS)			Jeanne Goshorn	Converted to pubmed		
Tox Mystery	Red	Specialized Information Services (SIS) / Office of the Director	Library Operations (LO)/BSD	Florence Chang	N/A		Sunset	

Tox Town	Yellow	Specialized Information Services (SIS) / Office of the Director	OET	Alla Keselman	Alla Keselman	Tox Town -> new title : Consumer Health Resources: Maintenance TOX TOWN (only) - Alla is working on it; should it go to BSD or PSD since they have consumer resoures; no content expert (people are gone) recommend PSD but needs a Task Manager - needs a home - public facing website should transition to OCCS; developer is ICF; different CMS; will this go into PSD as consumer or as a CHEM/Tox offering. need to know the funding breakdown of IT vs content and need a task		Funding coming due in September
Tox Tutor	Yellow	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Pertti Hakkinen	Needs to be reviewed; BSD and OET		
ToxMap	Red	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Colette Hochstein	Colette Hochstein	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site		
TOXNET	purple	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	Library Operations (LO)/BSD	Florence Chang	Evan Bolton, Colette Hochstein, Jeffrey Beck, Pertti Hakkinen, Evgueni Kireev, Stacy Lathrop, Kim Pruitt, David Gillikin, Jeanne Goshorn, Hua Chang	Other: NLM is consolidatiing information into a few sustainable platforms for improved user experience, discoverability and efficiency.	Integrating	Funding dates coming due in Spetember
TOXNET Toxics Release Inventory (TRI)	Red	Specialized Information Services (SIS)	Library Operations (LO)/BSD		Colette Hochstein, David Gillikin, Jeanne Goshorn, Hua Chang		Sunsetting	
Wireless Information System for Emergency Responders (WISER)	Yellow	Specialized Information Services (SIS) / Disaster Information Management Research Center	Library Operations (LO)/PSD	Jennifer Pakiam	Stacey Arnesen			
DERMaL (Dermal Exposure Risk Management and Logic) website	purple	Specialized Information Services (SIS)	Library Operations (LO)/BSD		Jennifer Pakiam, Pertti Hakkinen, Stacey Arnesen, David Gillikin, Hua Chang	Other: It will be incorporated into CHEMM rather than as a separate web site. This plan has been shared with the key contact at NIOSH (Dr. Naomi Hudson) and there are no concerns from the NIOSH side. NIOSH (Dr. Hudson) is involved in ongoing interactions about CHEMM, e.g. project team plans and updates		

TOXLINE	purple	Specialized Information Services (SIS)	Library Operations (LO)/BSD		David Gillikin, Jeanne Goshorn, Phillip Thomas	Other: When TOXLINE was first developed (in 1972) the science of toxicology was just emerging as a recognized field for research involving several different scientific disciplines such as biochemistry, pharmacology, physiology, etc. Some of the toxicology literature was covered by MEDLINE, but much of it was not, so other relevant abstracting and indexing services were used to obtain additional literature in toxicology to merge with MEDLINE in order to create the "more complete computer-based file of toxicological information" called for by the President's Scientific Advisory Committee in 1967. Since then, MEDLINE has expanded its journal coverage significantly and other online sources of toxicology information are readily available. It is no longer necessary for NLM to create a merged database of this information. we will continue to maintain a subset filter in PubMed to		
All Hazard Plan	Red	Specialized Information Services (SIS)			Jennifer Pakiam	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in maintenance mode. The NLM version of All Hazard Plan will sunset in September 2019. ASPR will host the	Sunsetting	
CHIRR	Red	Specialized Information Services (SIS)		Janice		Notice on website (done), Contacted 2 authors (done). Sent file to 1 author at his request	approved pre-portal	
TEHIP	Red	Specialized Information Services (SIS)		Colette Hochstein		Waiting on letter of agreement with SOT to take the files. OCG reviewed.		
ToxLearn	Red	Specialized Information Services (SIS)		Bert Hakkinen	Bert Hakkinen	Waiting on letter of agreement with SOT to take the files. OCG reviewed.		
CPDB (Carcinogenic Potency Database)	Red				Jeanne Goshorn	TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP. Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and	approved pre-portal	

CRISS (Chemical Carcinogenic Potency	Red				Jeanne Goshorn		In development(?)	
CTD (Comparative Toxicogenomics Database)	Red				Bert Hakkinen	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page. Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from transition page	In development(?)	
Gene-TOX	Red				Jeanne Goshorn	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in PubChem" on the page. . Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?	In development(?)	
AIDSinfo HIV/AIDS Drug Database						App - determine product alignment, status		
AIDSinfo HIV/AIDS Glossary						App - determine product alignment, status		
AIDSinfo HIV/AIDS Guidelines						App - determine product alignment, status		
Base Chase						App - determine product alignment, status		
Bohr Thru						App - determine product alignment, status		
Embryo Tox-App						App - determine product alignment, status		
ERG2016 (iOS & Android) (Soon to change to the ERG2020 app) WISER (iOS & Android)						App - determine product alignment, status		
LactMed						App - determine product alignment, status		
Mobile REMM (iOS & Android)						App - determine product alignment, status		
Pillbox						App - determine product alignment, status		
Run4Green						App - determine product alignment, status		
TOXinvaders						App - determine product alignment, status		

	Criticality	Contract (Vendor)	Review Timeline	Description	Period of Performance	Recompetition by	Obligation date of funding	COR	Receiving Division	Notes	Meeting Attendees
CHEM/TOX	3	HSDB content building (Technical Research International, "TRI")		TRI funding to add new and update existing HSDB records and for database enhancement including adding new data, features, fields, and more. Funding includes management of Scientific Review Panel meetings (2 meetings/year).	7/2019 - 7/2020	Jul-2019	Jul 2019; Jan 2020	Bert Hakkinen	LO - BSD	Jeanne and Bert - Looking at reimagining this one NCBI, they already working on it. This is an area where they lost a lot of staff and they will need to do the work. There are contractors supporting who can do the curating. - **Is there an option to give them a position to support this work?**	
CHEM/TOX	3	HSDB content building (Syracuse Research Corp, "SRC")		SRC funding to add new and existing HSDB records for environmental fate section and support database enhancement for related fields.	5/2019 - 5/2020	May-2019	May 2019; Nov 2019	Bert Hakkinen	LO - BSD	Jeanne and Bert - Looking at reimagining this one NCBI, they already working on it. This is an area where they lost a lot of staff and they will need to do the work. There are contractors supporting who can do the curating. - **Is there an option to give them a position to support this work?**	
CHEM/TOX	2	ChemID system development (DS Federal)	Q4 FY2019	DSFederal funding to support continued development and maintenance of applications and database maintenance.	9/2019-9/2020	Sep-2019	Sep 2019	Ying Sun	OCCS or BSD?	COR going to OCCS and will continue to play that role; Content BSD - Content - New Chemist (not full time - 70%) and Jeanne -	
CHEM/TOX	2	ChemID content building (Cygnus)	Q4 FY2019	Cygnus funding to support chemical structure, data integration and updates for ChemIDplus	5/2019-5/2020	Apr-2019	May 2019; Jan 2020	Ying Sun	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	2	ChemID 3-D chemical structure (Scientific Thinking)	Q4 FY2019	Funding for 3D structure support and integration activities. Contractor Mitch Miller works closely with PubChem Team.	9/2019-9/2020	Sep-2021	Sep-2019	Ying Sun	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	2	ChemID: Astrix Software license (Biovia / Astrix)	Q4 FY2019	Biovia software licence for chemical structure software	8/2019-8/2020	Aug-2019	Aug-2019	Ying Sun	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	2	ChemID Oracle database license	Q4 FY2019	Oracle database management system for ChemID data, licensed through OCCS	12/2018 - 12/2019			Phillip Thomas, Florence Chang	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	3	LactMed (Phil Anderson)		Content creation and update of the LactMed database	7/2019 -7/2020	Jul-2019	Jul 2019	Lucie Chen	LO - BSD?	**Needs COR - Bert?** Very popular. Should not require significant time. Author is highly motivated and the tool is already integrated into bookshelf - working on recompetition now. Who manages other Bookshelf resources? Should it go there in the future?	
CHEM/TOX	3	Household Product Database (Henry DeLima)	Q3-Q4 FY2019	License of the content of the Household Product Database, a database on the health effects from exposure to the chemical ingredients in the household products	12/2018-12/2019	Dec-2021	Dec 2018	Lucie Chen	LO - BSD	**Needs COR - Bert?** Also very popular, so it will be evaluated. Looking to see if CPSE (Consumer Products Safety Excellence) will take it over.	
CHEM/TOX	1	HazMap (Jay Brown)	Q3-Q4 FY2019	License of the content of the HazMap database, a occupational exposure and diseases database	7/31/2019 -8/1/2020	Jul-2020	Jul 2019	Lucie Chen	Sunset	BSD - Bert is trying to find a new home, can't be added to bookshelf because of how it is structured. Contract ends in July...needs the Sunset form. **ISSUES**	
CHEM/TOX	3	ITER (Univ of Cincinnati)	Q FY2019	License of the content of the International Toxicity Estimates for Risk (ITER)	4/2019 - 4/2020	Apr-2021	Apr 2019	Bert Hakkinen	LO - BSD	Bert COR - Eventually integrated into Bookshelf; ownership of the contract is currently in question, will come down with TOXnet **ISSUES**	
CHEM/TOX	1	Poisindex emergency medical management (Truven Health) **(Not renewed yet as of March)**		License of the content of Poisindex from Truven Health	1/2019 - 1/2020	Jan-2019	Jan 2019	Jen Pakiam	NA - BSD or PSD?	Not renewed but in the process of renewing license, not sure where to go. Should Jen keep this one? Up for integration. Who holds "data" in LO?	
CHEM/TOX	3	SIS and TOXNET computer system/IT support (ICF)		Contract for the main IT contract with ICF International for providing SIS computer system administration and information system development support.	This contract will end Sept, 2019. Contractors will go to OCCS. $800,000 funding goes to OCCS in September, 2019	Not going to re-compete	Sep 2019	Florence Chang	OCCS	COR Wei Ma, Supports 3.5 contractos, contract will end in Sept. Plans around transitioning of systems between now and Sept.	
CHEM/TOX	3	TOXNET/SSEUS Content Management System (Jeffery System)	Q4 FY 2019	Support the data entry and editing system and database maintenance for TOXNET databases, including HSDB, LactMed, and ITER	7/2019 - 7/2020	Jun-2019	Jul 2019	Phillip Thomas	OCCS	COR Wei Ma, setting up the recompete - will be done by July.	
DIMRC	3	Disaster Info Support (ICF)	Q2 FY2020	Includes support for librarian and computer programmer to support Disaster Lit, DIMRC web site, Disaster health informatics and communication innovation initiatives (training, communication)	9/2019 - 9/2020	Sep-2019	Sep 2019	Stacey Arnesen	LO - PSD	Siobhan will be task manager; broad task for IT and content; other innovation projects (Victor); genernal DIMRC website and Dis Lit. CMS, production and staging is at NLM. Programmer offsite, Librarian onsite (can change); will fund this POP	
DIMRC	1	WISER (Next Century)	Q1 FY2020	To support the development of the tool for responding to hazardous material incidents. For maintenance for all platforms with minor enhancements and data (content) updates, and prototyping of voice-activated assistant.	9/2019 - 9/2020	Sep-2019	Sep 2019	Jen Pakiam	LO **PSD or BSD?**	COR Jen - Bert is also part of the team (no hands on work - facilitator and promoter). Doesn't make sense long term in PSD - should all Tox stuff eventually land in BSD? Jen will be fully occupied; outside contractor does the program - does OCCS need to be looped in on this? this is expected to funded in Sep, recompete, offsite staff; mostly IT website; hosted at NLM; web version; 3 APPS; transitioning to PSD; we need to know about any funding for contractors that update the web pages; unclear about CMS	
DIMRC	3	NASEM Forums		NASEM Med Prep Forum & Action Collab on Disaster resesarch	9/2019 - 9/2020		Sep 2019	Stacey Arnesen	LO - PSD	transfer to PSD; NIH OD contract, we have a task on it to support NASEM; no IT, run forums; need to make a decision about contributing to this in 2019, Annual fee, Cheryl Field, should this be a membership - **Did this question get answered?**	
CHEM/TOX	1	CHEMM content creation and maintenance (AlphaTrac)	Q1 FY2020	Support the content creation and maintenance of Chemical Hazards Emergency Medical Management (CHEMM)	8/1/2019 - 7/31/2020	Aug-2019	Jul 2019	Bert Hakkinen	LO - PSD?	COR Bert- very involved; Jen marginally involved, considered one of the Disaster tools and closerly tied to WISER - where should it live? outside contractor does the program - does OCCS need to be looped in on this? Could work to have Jen take over COR and Bert as an advisor PSD -- Shifting from solo contract to task under a BPA - Get Jen involved in task	
DIMRC	1	REMM							LO - PSD?	Jen is the POC, Florence will be handing this off to her. Issues with the Content expert HHS funded contractor and with the technology; Florence has done the technology; funding by an interagency agreement by HHS. Dianne and David are aware of the situation - **ISSUE**	
Outreach	3	Special Population Resources Maintenance (ICF)	Q3 FY2019	Staffing, IT support for HealthReach, American Indian Health, Arctic Health	9/2018-9/2019	Sep-2019	Sep 2019	Laura Bartlett	NA LO-PSD?	Only one left is HealthReach; but the other ones are going, Being integrated into MedLinePlus. **Michael Honch in PSD as owner?**- Laura has some "Outreach" connections that involve getting content - she has a few tasks that she is doing through September - User studies (20-25% of her time until fully integrated)	
Outreach	**2**	Technical and Programmatic Support for Specific Population Projects (ICF)		Support services for outreach projects such as CHIC, Community Health Maps, etc	9/2018-9/2019	Sep-2019	Sep 2019	Janice Kelly	LO - OET?	Janice gave her suggestions; and will be meeting with Joyce and Amanda to discuss all Outreach programs; Prior John Scott had many Subcontracts for outreach awards, TBD; **need COR**	
Outreach	**2**	Maintenace and Development Support for SIS Programs Projects (ICF)		Provide comprehensive management and staffing services to the National Library of Medicine Specialized Information Services to support websites, services and activities	9/2018-9/2019	Sep-2019	Sep 2019	Nicole Scott	LO OET or PSD?	supports 2 contract staff - **Sent Amanda an note and she is interested; 80% DIMRC and 20% Outreach; - through Sept.**	
Outreach	**2**	EnHIP Chair		Support for the year long duties of the EnHIP chair	1/15/2019-1/14/2020	Jan-2019		Janice Kelly	LO - OET	**need COR; is this an annual PO? Laura?**	
Outreach	**2**	EnHIP senior advisor		Support for the year long duties of the EnHIP senior advisor Rueben Warren	9/20/2018-9/19/2019		9/20/2019	Janice Kelly	LO - OET	**need COR; is this an annual PO? Laura?**	

Outreach	**4**	Higher Ed Project		Project addressing the needs of minority serving institutions to use HSDB and other NLM resources	3/6/18-6/28/19	Jun-2019	6/28/2019	Cassandra Allen	Sunset	Totally Sunset at this point
Outreach	**2**	Training and Outreach Support Services for NLM (ICF)		Subaward to ORAU for training and outreach support, promotion and logistical support to SIS	9/2018-6/2019	Jun-2019	June 2019	Nicole Scott	LO - OET?	Being competed; **need COR? Will Nicole continue once funded or should this shift to OET?** Trying to put in a BPA - Nicole still involved and Jody is aware
Outreach	**2**	Training and Outreach Support Services for NLM (ICF)		OET will need to take over the separate LMS; what do they want to do with it. Resources have been developed				Nicole Scott	LO - OET?	No plans right now for LMS. **Ends in June or July?**
Outreach	**2**	Training and Outreach Support Services for NLM (ICF)		OET will need to take over exhibitingS; what do they want to do with it. Resources have been developed				Nicole Scott	LO - OET?	No plans right now for exhibiting. **Ends in June or July?**
CONS HLTH	1	Consumer Health Resources: Maintenance (ICF)	Q1 FY2020	Provide subject matter and IT expertise to support Tox Town's, Kids portal, and GeneEd	9/2018-9/2019	Sep-2019	Sep 2019	Alla Keselman	LO - BSD or PSD?	TOXTOWN - Alla is working on it; **should it go to BSD or PSD since they have consumer resources;** no content expert (people are gone) recommend PSD but needs a Task Manager - needs a home - **public facing website should transition to OCCS;** developer is ICF; different CMS; will this go into PSD as consumer or as a CHEM/Tox offering. need to know the funding breakdown of IT vs content and **need a task manager**
CONS HLTH	1	Special Population Resources Enhancement and Outreach (ICF)	Q4 FY2019 - Q1 FY2020	Support special population resources including HealthReach, Arctic Health, and American Indian Health.	9/2018-9/2019	Sep-2019	Sep 2019	Laura Bartlett	LO / OCCS	Need to figure out resources/funds - this is the content/Outreach part? Very little IT, done by FTE at OCCS; talk to Laura--what should happen? healthreach integrated into Med+; **need task manager; OCCS will need support for IT; Nicole is asking for an estimate for support of HR**
AIDS	**1**	AIDSinfo and AIDSource (ICF)	Q4 2020	Manage daily operations of the AIDSinfo, infoSIDA and AIDSource services - the AIDSinfo website, guidelines and panels, and treatment information	9/2018-9/2019	Sep-2019	Sep 2019	Nicole Scott	LO **OCPL**	OCPL? Patty wants it transitioned to another IC, Nicole is working on that
AIDS	**1**	AIDSinfo and AIDSource: Supplemental Tasks (ICF)	Q4 2020	Support for content development, outreach, training, evaluation, user studies, etc	9/2018-3/2020	Sep-2019	Sep 2019	Nicole Scott	OCPL?	OCPL? Being evaluated for inclusion in MedlLinePlus- **Andrew Plummer in PSD as an option; logical choice.** Nicole and team talking about this. Julian works on this as well as part of the team.
AIDS	**3**	AIDS Foundation Houston (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2019	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Black Girl Health (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Comunidades Unidas (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Philadelphia FIGHT (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Prevention Collaborative (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	SFPH HIVE (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	SFPH PleasePrEPMe (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	University of Massachusetts Medical School (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
Diatery Supplements LD and ID	3			Curration of labels, and content all done by ODS; NLM provides hosting					LO- BSD	They have a year to find a new home; Jeanne is involved this will move to BSD to be wrapped up. Coordinate with OCCS on the hosting piece.

	Agency	Offering	Contract	POC @NLM	POC @fed. Agency	Funding FY2018	
CHEM/TOX	FDA	ChemIDplus; Substance Registry	ICF BPA; DSFederal; Cygnus; Scientific Thinking	Ying Sun	Larry Cunningham	$50,000	
DIMRC	DOT	WISER	Next Century	Jen Pakiam	Tom Kitty	$27,179.72	To PSD; not funded as of May 2; expect increase for ERG updates; all to the
AIDS	HRSA	AIDSinfo	ICF BPA;	Nicole Scott	Laura Cheever/ Andrea Knox	$25,000	AIDSINFO funding; Nicole is going to continue support this effort (to OCPL)
CHEM/TOX	FDA	Support FDA Office of Orphan Products Development (OOPD)	ICF BPA	Nicole Scott; Ying Sun	Cora Sutton	$195,000	
CHEM/TOX/DIMRC	ASPR	REMM/CHEMM	ICF BPA; Next Century; ICF (IT contract)	Florence Chang; Stacey Arnesen	John Koerner	$221,000	a portion of this goes onto this to support CHEMM ofn the WISER app; expect funding in 2019
NICHSR	ASPE	NICHSR	ICF BPA	?	?	$150,000	

Direct Citations								
CAN Citation Tracki	**IC Reference no.**	Offering	**CAN**	**FY2018 Amount**	**Issuing IC**	**Receiving IC**	**Purpose**	
DC-LM-18-03	DCC AI 501903	AIDSinfo	8470035	810,000.00	NIAID	NLM/SIS	AIDS Info Service	expected funding in 2019; plan to transition to NIAID in 2020; supports guidelines
DC-LM-18-13	DCC-AI-4042-06	NAS task for Forum on Medical and Public Health Preparedness for Disasters and	8010831	35,000.00	NIAID	NLM/SIS	Medical and Public Health	all of these (green) are collected by NLM to add to the NASEM contract for the forum
DC-LM-18-14	DCC-AI-7065-02	NAS task for Action Collaborative on Disaster Research	8010831	10,000.00	NIAID	NLM/SIS	IOM	
DC-LM-18-15	OD-2018-03	NAS task for Action Collaborative on Disaster Research	8469994	75,000.00	NIEHS	NLM/SIS	Large Scale Event	
DC-LM-18-17	OD-2018-02	NAS task for Forum on Medical and Public Health Preparedness for Disasters and	8469994	10,000.00	NIEHS	NLM/SIS	Catastrophic Event	
DC-LM-18-20	HD-8-132	NAS task for Action Collaborative on Disaster Research	8014682	10,000.00	NICHD	NLM/SIS	NASEM	
DC-LM-18-21	1837	NAS task for Action Collaborative on Disaster Research	8321311	5,000.00	FIC	NLM/SIS	NASEM	
DC-LM-18-22	OD-2018-05	NIH Disaster Research Response Program (https://dr2.nlm.nih.gov)	8469994	100,000.00	NIEHS	NLM/SIS	DR2 NLM Website	this is under discussion w/PB; goes to ICF; DR2 web (IT and content)
DC-LM-18-23	18-143	NAS task for Action Collaborative on Disaster Research	8391741	10,000.00	OBSSR/OD	NLM/SIS	NASEM	
DC-LM-18-24	D2-CO-8145		8323341	10,000.00	NCI	NLM/SIS	NASEM	

CATEGORY	CHEM/TOX THIS GROUP IS NOT GOING TO HAPPEN?	DRUG	CONS HLTH	DIMRC THIS GROUP IS NOT GOING TO HAPPEN?	DATA	AIDS	OUTREACH
Senior Leader(s)	**Florence Chang** **Jim Ostell** **Joyce Backus**	**Joyce Backus** **Clem McDonald** **Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman -	Barbara Bushman Pete Seibert or Mike Davidson	NLM/OD with NIH, HRSA, etc	Amanda Wilson
Members	Evan Bolton Stacy Lathrop	David Hale Olivier Bodenreider	Laura Bartlett Alla Keselman	NNCO Lisa Sedlar	Eric Sayers		
	Bert Hakkinen Jean Goshorn	Tammy Powell or Chris Hui Patrick McLaughlin or team member	Fedora Braverman	Siobhan Champ-Blackwell	Rebecca Goodwin		
	Jim Pash	Jen Jentsch Duc Nguyen or team member Wei Ma or team member NCBI?	OCPL NNCO MMS-training		David Hale OCCS LHC		

See TABS for info on offerings and contracts related to each category

DRAFT

DRAFT

	A	B	C	D	E	F	G
38	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
39	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG reviewed.
40	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
41	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads
42	ToxMystery	Sunset	Florence	approved pre-portal			done
43	TOXNET	Sunset	Jeanne	in the portal	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on	Part of the TOXNET integration with NCBI platforms
44	ToxTown	PSD	Alla				
45	TRI	Sunset	Colette	in the portal	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services

	A	B	C	D	E	F	G
46	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
47	**PROGRAMS**						
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead
55	K-12 Program	Sunset	Alla	in the portal	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website. Make a list of unique assets from

	A	B	C	D	E	F	G
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement
57	Disaster Information Specialist	PSD	Stacey Siobhan				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	**SOCIAL MEDIA**						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest -HIV Community Infor...
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) ○○HIV Community Info...

	A	B	C	D	E	F	G
61	K-12 Science and Health Education	Sunset	Alla	in the portal		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter
62	#NAME?	Sunset	Colette	in the portal		See message in plan	Delete in June. Remove from https://www.nih.gov/news-events/social-media-outreach
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information -STEM Newsletter

	A	B	C	D	E	F	G
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolenc	Alla				
67	Animations in YouTube	TBD	Alla				
68	Division of Specialized Information Services	Sunset	Florence /OCPL	in the portal	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM main
69							
70							

From: Nurik, Jody (NIH/NLM) [E]
Sent: 29 Jul 2019 00:01:05 +0000
To: Middleton, Grace (NIH/NLM) [C]
Subject: Fwd: NLM/FMP Strategic Workforce - 7/24/19 meeting notes
Attachments: Consolidated List of Offerings STATUS 26 JULY 2019.xlsx

This should have what we need once everyone signs off for the author that contacted Jerry.

From: "Carolyn Kurowski" <CKurowski@fmpconsulting.com>
Date: Friday, July 26, 2019 at 8:05:42 PM
To: "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>, "Dunn, Kathel (NIH/NLM) [E]" <dunnk@mail.nlm.nih.gov>
Cc: "sandy.becker@me.com" <sandy.becker@me.com>, "Bryanne Reynolds" <Breynolds@fmpconsulting.com>, "Ma, Wei (NIH/NLM) [E]" <maw@mail.nlm.nih.gov>, "Backus, Joyce (NIH/NLM) [E]" <backusj@mail.nlm.nih.gov>, "Babski, Dianne (NIH/NLM) [E]" <babskid@mail.nlm.nih.gov>, "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>, "Wilson, Amanda (NIH/NLM) [E]" <amanda.wilson@nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Good evening everyone,

Attached is the updated version of the consolidated list of offerings. I have added the specific TOXNET resources included in the list I received from Grace that ODPL has been using as part of the sunsetting process. David and his team have also identified 12 apps that I included at the bottom of the list but did not get a chance to integrate just yet. I did include a column where I was able to identify a recent or imminent funding or POP date. The intent would be to discuss these items on Wednesday, along with the status of the green and red items. Please keep in mind our goal is to move forward with the evaluation of and decisions regarding our portfolio of projects.

Kathel, if I might ask, could you upload this version to Sharepoint? I continue to have connectivity issues.

David, Amanda and Stacey, could you (or a designated team member) review the list, particularly the critical items, to see if you would make any additions or changes? If you could also be prepared to discuss the Red and Green items assigned to your groups by Wednesday that would be great. David, as I mentioned in our earlier messages, I am happy to work with your team member to update the information regarding the apps.

Thank you all so much and have a wonderful weekend!!

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From: Carolyn Kurowski
Sent: Thursday, July 25, 2019 12:32 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Hi David,

Thank you for the note. Based on the conversation yesterday, I do expect we will need to discuss specific products during next week's meeting. The following are the three tasks we identified for the group to work on. I think we can get through the first two next week, and both of those require specific project knowledge. The third item can then be completed in the following meeting. Please let me know if you have concerns with this approach.

Proposed Agenda Items

1. Discuss projects that have an upcoming decision point or require guidance (e.g., contract or funding date in August) and decide on next steps (e.g., fund for one more year, begin sunsetting, fund incrementally)
2. Review green, red and purple products to confirm they are proceeding as planned
3. Decide on criteria, process and timeline for evaluating offerings

I am making the updates to the consolidated list we discussed yesterday. I will do an initial check of the products to see which one may have immediate dates or other issues identified that will require discussion. I will include a column indicated which ones might require discussion and why and share the revised document with the team by COB tomorrow.

Thanks,

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From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Thursday, July 25, 2019 7:26 AM
To: Carolyn Kurowski <CKurowski@fmpconsulting.com>; Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: RE: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

[EXTERNAL]
Do we know the agenda for next week's meeting? I need to know whether or not to invite Jeanne to attend. If we are going to talk about specific products then we will need her there. If we are going to talk about review criteria for examining the list of offerings, she may not be needed.

Thanks
David

From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Sent: Wednesday, July 24, 2019 8:23 PM
To: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>
Cc: sandy.becker@me.com; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: Re: NLM/FMP Strategic Workforce - 7/24/19 meeting notes

Thanks Kathel,

I included one suggested edit below.

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On Jul 24, 2019, at 4:28 PM, Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov> wrote:

[EXTERNAL]
Strategic Workforce
7/24/19
Attending: Carolyn Kurowski, Sandy Becker, Joyce Backus, Stacey Arnesen, David Gillikin, Wei Ma, Dianne Babski, Kathel Dunn, Amanda Wilson, Bryanne Reynolds

The Strategic Workforce group met and reviewed a consolidated Excel workbook of NLM offerings based on lists currently in use by LO, ODPL and OCCS.. The goal is to establish a consistent list all groups can use as a reference point. The group reviewed missing data and entries with questions.

Missing data:

- 3 APIs (identified by David Gillikin)
- Need to include each individual TOXNET resource

The group reviewed entries with questions about primary organization (division) responsible, offering point of contact, other notes.

FMP will revise the list and send out for feedback before the group's July 31 meeting. Jeanne Goshorn is to be invited to the next meeting.

Questions raised by the group were:

- What are the expected timelines for working on the list?
- Should we look at the full Library Operations list?
- We need to develop a list of criteria for examining the suite of offerings

Kathel

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National Library of Medicine
Inventory of Public-Facing Offerings

Offering Name	Red, Yellow, Green	Previous Organization Name	Primary Organization Name	Previous Offering Owner Name	Offering Point of Contact	Other Notes:	Status	Critical Issue
AIDSinfo	yellow	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Office of Communication and Public Liaison (OCPL)	Nicole Scott	Nicole Scott	Jerry is coordinating with OAR and NIAID to determine future course.		Funding coming due in September
AIDSsource	yellow	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Office of Communication and Public Liaison (OCPL)	Nicole Scott	Nicole Scott	Under study at LO to determine if integrating into Medlineplus		Funding coming due in September
AltBib	green	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Bert Hakkinen	Bert Hakkinen	Change PubMed special topic (links to SIS page), change link in Products & Services with new URL/page	Needs to be modified	
American Indian Health	Red	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Library Operations (LO) / Office of Engagement and Training	Laura Bartlett	Laura Bartlett		Sunsetting	
Arctic Health	Red	Specialized Information Services (SIS) / Outreach and Special Populations Branch	Library Operations (LO) / Office of Engagement and Training	Laura Bartlett	Laura Bartlett		Sunsetting	
Chemical Hazards Emergency Medical Management (CHEMM)	yellow	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/PSD	Bert Hakkinen	Bert Hakkinen	PSD and BSD will review this jointly. Part of review of DIMRC		Funding and contract dure dates upcoming
ChemIDplus	yellow	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn	Content developed in BSD, public facing PubChem in TOXNET integration with NCBI platforms in 2020		Critical recompete and funding date in September
ChemSpell	Red	Specialized Information Services (SIS)	Library Operations (LO)/BSD		Ying Sun, Jeanne Goshorn, Hua Chang	Remove from NLM Products & Services, no alternative references	Sunsetting	

DART (Developmental and Reproductive Toxicology)	Red	Specialized Information Services (SIS)	Library Operations (LO)/BSD		David Gillikin, Jeanne Goshorn, Phillip Thomas	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and inlcude help for users on the transition page. Search PubMed using DART [subset] for developmental tox literature. Part of the TOXNET integration into NCBI platforms	Sunsetting	
Data Discovery	Yellow	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	Library Operations (LO)/BSD	David Hale	David Hale			
Dietary Supplement Ingredient Database	Yellow	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn	Moving to ODS May, 2020. Then remove from the NLM Products & Services		
Dietary Supplement Label Database	Yellow	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn	Moving to ODS May, 2020. Then remove from the NLM Products & Services		
Disaster Information Management Research Center (DIMRC) website	Yellow	Specialized Information Services (SIS) / Disaster Information Management Research Center	Library Operations (LO)/PSD	Stacey Arnesen	Stacey Arnesen			Funding coming due in September
Disaster Lit: Database for Disaster Medicine and Public Health	Yellow	Specialized Information Services (SIS) / Disaster Information Management Research Center	Library Operations (LO)/PSD	Stacey Arnesen	Stacey Arnesen			
Drug Information Portal	purple	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn			

Enviromental Health Student Portal	purple	Specialized Information Services (SIS) / Office of the Director	OET	Alla Keselman	Alla Keselman	Merging some content into Tox Town; Tech Bulletin, Notice on website,NLM social media, remove link in NLM products & services	Sunsetting	
Environmental Health and Toxicology Information	green	Specialized Information Services (SIS) / Biomedical Information Services Branch	PSD	Colette Hochstein	Colette Hochstein	Revise and migrate to NLM main site, not SIS		
GeneEd	Red	Specialized Information Services (SIS) / Office of the Director	OET	Alla Keselman	Alla Keselman	ICF-Q4 - awairing sunset approval some content to ToxTown		Funding coming due in September
Hazardous Substances Data Bank (HSDB)	purple	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn	Content developed in BSD, moving to PubChem in TOXNET integration with NCBI platforms in 2020		Had recent recompete dates; critical is those did not occur
HazMap	Red	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Pertti Hakkinen, David Gillikin, Jeanne Goshorn, Hua Chang	No longer aligned with NLM priorities or mission needs, Other: License ends in July 2019 and current plan is not to renew it. However, please note that Haz-Map is used within the Federal Government (e.g., NIH OD Division of Occupational Health and Safety staff, OSHA, CPSC, DoD, etc.) and by others. NIH's Division of Occupational Health and Safety lists it as Federal resource https://www.ors.od.nih.gov/sr/dohs/safety/workplace/Pages/Federal-	In development(?)	
HealthReach	purple	Specialized Information Services (SIS) / Outreach and Special Populations Branch	PSD	Laura Bartlett	Stephanie Morrison	Under study at LO to determine if integrating into Medlineplus. Need to figure out resources/funds - this is the content/Outreach part? Very little IT, done by FTE at OCCS; talk to Laura--what should happen? healthreach integrated into Med+; need task manager; OCCS will need support for IT; Nicole is asking for an estimate for support of HR - Laura replied: Health Reach will be integrated to MedlinePlus. Her involement will be ended in December 2019. Vivian		Funding date coming up.

Household Products Database	yellow	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	PSD	Pertti Hakkinen	Bert Hakkinen	Lucie Chen was previous owner; PSD and BSD need to decide		
Integrated Risk Information System (IRIS)	Red	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Jeanne Goshorn	TOXNET information has migrated to PubChem, PubMed and Bookshelf page will be posted on TOXNET transition page, will include the sunset notice and a link to IRIS page at EPA. Retire in fall 2019; remove from NLM products &service list; needs a sunset plan	In development(?)	
International Toxicity Estimates for Risk (ITER)	purple	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Colette Hochstein, Pertti Hakkinen, David Gillikin, Jeanne Goshorn	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list. TOXNET information has migrated to PubMed, PubChem and Bookshelf will be posted on TOXNET transition page with help for ITER users along with the	Sunsetting	
LactMed	purple	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Lucie Chen	Bert Hakkinen	Needs a long term discussion- being integrated into bookshelf. Issue of an APP. Needs COR - Bert? Very popular. Should not require significant time. Author is highly motivated and the tool is already integrated into bookshelf - working on recompetition now. Who manages other Bookshelf resources? Should it go there in the future? What is the process for resources going to Bookshelf, what is the model? Note: Even though this offering can be used by consumers, the content is NOT developed for consumers. May PSD would be an advisor in the future. Mobile apps (iPhone and Android)		Funding and contract date in July

LiverTox	yellow	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Pertti Hakkinen	Livertox will be taken over by NCBI bookshelf. The contents on the SIS server were updated on July 1st for the very last time. Ziying handed the files over to NCBI at the beginning of the month. It will take a few months for them to convert and host Livertox. Meanwhile, we will keep livertox running at NLM.		
NIH Disaster Research Response Program (DR2)	yellow	Specialized Information Services (SIS) / Disaster Information Management Research Center	Library Operations (LO)/PSD	Stacey Arnesen	Stacey Arnesen	Stacey to talk to NIEHS collabortor about the plan to sunset and determine other collaborations - Yellow not red?		
Pillbox	Yellow	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	Library Operations (LO)/BSD	David Hale	David Hale			
Radiation Emergency Medical Management (REMM)	Yellow	Specialized Information Services (SIS) / Office of the Director	PSD	Florence Chang	Jen Pakiam	Copy the CHEMM notes		
SIS main website	Red	Specialized Information Services (SIS) / Biomedical Information Services Branch	OCPL	Jeanne Goshorn	Lisa Theisen? Grace?			
SIS K-12 Program	Red	Specialized Information Services (SIS)			Alla Keselman		Sunsetting	
Substance Registration System	Green	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Jeanne Goshorn	Jeanne Goshorn			
Toxline	Purple	Specialized Information Services (SIS)			Jeanne Goshorn	Converted to pubmed		
Tox Mystery	Red	Specialized Information Services (SIS) / Office of the Director	Library Operations (LO)/BSD	Florence Chang	N/A		Sunset	

Tox Town	Yellow	Specialized Information Services (SIS) / Office of the Director	OET	Alla Keselman	Alla Keselman	Tox Town -> new title : Consumer Health Resources: Maintenance TOX TOWN (only) - Alla is working on it; should it go to BSD or PSD since they have consumer resoures; no content expert (people are gone) recommend PSD but needs a Task Manager - needs a home - public facing website should transition to OCCS; developer is ICF; different CMS; will this go into PSD as consumer or as a CHEM/Tox offering. need to know the funding breakdown of IT vs content and need a task		Funding coming due in September
Tox Tutor	Yellow	Specialized Information Services (SIS) / Office of the Director / Office of Clinical Technology	Library Operations (LO)/BSD	Pertti Hakkinen	Pertti Hakkinen	Needs to be reviewed; BSD and OET		
ToxMap	Red	Specialized Information Services (SIS) / Biomedical Information Services Branch	Library Operations (LO)/BSD	Colette Hochstein	Colette Hochstein	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads on the NLM FTP site		
TOXNET	purple	Specialized Information Services (SIS) / Biomedical Files Implementation Branch	Library Operations (LO)/BSD	Florence Chang	Evan Bolton, Colette Hochstein, Jeffrey Beck, Pertti Hakkinen, Evgueni Kireev, Stacy Lathrop, Kim Pruitt, David Gillikin, Jeanne Goshorn, Hua Chang	Other: NLM is consolidatiing information into a few sustainable platforms for improved user experience, discoverability and efficiency.	Integrating	Funding dates coming due in Spetember
TOXNET Toxics Release Inventory (TRI)	Red	Specialized Information Services (SIS)	Library Operations (LO)/BSD		Colette Hochstein, David Gillikin, Jeanne Goshorn, Hua Chang		Sunsetting	
Wireless Information System for Emergency Responders (WISER)	Yellow	Specialized Information Services (SIS) / Disaster Information Management Research Center	Library Operations (LO)/PSD	Jennifer Pakiam	Stacey Arnesen			
DERMaL (Dermal Exposure Risk Management and Logic) website	purple	Specialized Information Services (SIS)	Library Operations (LO)/BSD		Jennifer Pakiam, Pertti Hakkinen, Stacey Arnesen, David Gillikin, Hua Chang	Other: It will be incorporated into CHEMM rather than as a separate web site. This plan has been shared with the key contact at NIOSH (Dr. Naomi Hudson) and there are no concerns from the NIOSH side. NIOSH (Dr. Hudson) is involved in ongoing interactions about CHEMM, e.g. project team plans and updates		

TOXLINE	purple	Specialized Information Services (SIS)	Library Operations (LO)/BSD		David Gillikin, Jeanne Goshorn, Phillip Thomas	Other: When TOXLINE was first developed (in 1972) the science of toxicology was just emerging as a recognized field for research involving several different scientific disciplines such as biochemistry, pharmacology, physiology, etc. Some of the toxicology literature was covered by MEDLINE, but much of it was not, so other relevant abstracting and indexing services were used to obtain additional literature in toxicology to merge with MEDLINE in order to create the "more complete computer-based file of toxicological information" called for by the President's Scientific Advisory Committee in 1967. Since then, MEDLINE has expanded its journal coverage significantly and other online sources of toxicology information are readily available. It is no longer necessary for NLM to create a merged database of this information. we will continue to maintain a subset filter in PubMed to		
All Hazard Plan	Red	Specialized Information Services (SIS)			Jennifer Pakiam	ASPR funded NLM to develop and maintain the All Hazards Plan website, including a editing module to edit and add new plans, a search user interface, and features for display/print/sort/group. The funding was from FY 2012 to FY 2016. Since FY2017 ASPR has not provided funding. NLM kept the Website available in maintenance mode. The NLM version of All Hazard Plan will sunset in September 2019. ASPR will host the	Sunsetting	
CHIRR	Red	Specialized Information Services (SIS)		Janice		Notice on website (done), Contacted 2 authors (done). Sent file to 1 author at his request	approved pre-portal	
TEHIP	Red	Specialized Information Services (SIS)		Colette Hochstein		Waiting on letter of agreement with SOT to take the files. OCG reviewed.		
ToxLearn	Red	Specialized Information Services (SIS)		Bert Hakkinen	Bert Hakkinen	Waiting on letter of agreement with SOT to take the files. OCG reviewed.		
CPDB (Carcinogenic Potency Database)	Red				Jeanne Goshorn	TOXNET information has migrated to PubMed, PubMed and Bookshelf page will be posted on TOXNET transition page. Data will be made available vis FTP. Will retire in fall with other TOXNET offerings in TOXNET integration into NCBI platforms, remove from NLM Products and	approved pre-portal	

CRISS (Chemical Carcinogenic Potency	Red				Jeanne Goshorn		In development(?)	
CTD (Comparative Toxicogenomics Database)	Red				Bert Hakkinen	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Also a link " Help for CRISS users in PubChem" will be available from transition page. Part of the TOXNET integration into NCBI platforms. Help for CRISS users in PubChem will be available from transition page	In development(?)	
Gene-TOX	Red				Jeanne Goshorn	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with a link "Help for Gene-TOX users in PubChem" on the page. . Part of the TOXNET integration into NCBI platforms. Remove from NLM Products and Services List?	In development(?)	
AIDSinfo HIV/AIDS Drug Database						App - determine product alignment, status		
AIDSinfo HIV/AIDS Glossary						App - determine product alignment, status		
AIDSinfo HIV/AIDS Guidelines						App - determine product alignment, status		
Base Chase						App - determine product alignment, status		
Bohr Thru						App - determine product alignment, status		
Embryo Tox-App						App - determine product alignment, status		
ERG2016 (iOS & Android) (Soon to change to the ERG2020 app) WISER (iOS & Android)						App - determine product alignment, status		
LactMed						App - determine product alignment, status		
Mobile REMM (iOS & Android)						App - determine product alignment, status		
Pillbox						App - determine product alignment, status		
Run4Green						App - determine product alignment, status		
TOXinvaders						App - determine product alignment, status		

	Criticality	Contract (Vendor)	Review Timeline	Description	Period of Performance	Recompetition by	Obligation date of funding	COR	Receiving Division	Notes	Meeting Attendees
CHEM/TOX	3	HSDB content building (Technical Research International, "TRI")		TRI funding to add new and update existing HSDB records and for database enhancement including adding new data, features, fields, and more. Funding includes management of Scientific Review Panel meetings (2 meetings/year).	7/2019 - 7/2020	Jul-2019	Jul 2019; Jan 2020	Bert Hakkinen	LO - BSD	Jeanne and Bert - Looking at reimagining this one NCBI, they already working on it. This is an area where they lost a lot of staff and they will need to do the work. There are contractors supporting who can do the curating. - **Is there an option to give them a position to support this work?**	
CHEM/TOX	3	HSDB content building (Syracuse Research Corp, "SRC")		SRC funding to add new and existing HSDB records for environmental fate section and support database enhancement for related fields.	5/2019 - 5/2020	May-2019	May 2019; Nov 2019	Bert Hakkinen	LO - BSD	Jeanne and Bert - Looking at reimagining this one NCBI, they already working on it. This is an area where they lost a lot of staff and they will need to do the work. There are contractors supporting who can do the curating. - **Is there an option to give them a position to support this work?**	
CHEM/TOX	2	ChemID system development (DS Federal)	Q4 FY2019	DSFederal funding to support continued development and maintenance of applications and database maintenance.	9/2019-9/2020	Sep-2019	Sep 2019	Ying Sun	OCCS or BSD?	COR going to OCCS and will continue to play that role; Content BSD - Content - New Chemist (not full time - 70%) and Jeanne -	
CHEM/TOX	2	ChemID content building (Cygnus)	Q4 FY2019	Cygnus funding to support chemical structure, data integration and updates for ChemIDplus	5/2019-5/2020	Apr-2019	May 2019; Jan 2020	Ying Sun	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	2	ChemID 3-D chemical structure (Scientific Thinking)	Q4 FY2019	Funding for 3D structure support and integration activities. Contractor Mitch Miller works closely with PubChem Team.	9/2019-9/2020	Sep-2021	Sep-2019	Ying Sun	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	2	ChemID: Astrix Software license (Biovia / Astrix)	Q4 FY2019	Biovia software licence for chemical structure software	8/2019-8/2020	Aug-2019	Aug-2019	Ying Sun	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	2	ChemID Oracle database license	Q4 FY2019	Oracle database management system for ChemID data, licensed through OCCS	12/2018 - 12/2019			Phillip Thomas, Florence Chang	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	3	LactMed (Phil Anderson)		Content creation and update of the LactMed database	7/2019 -7/2020	Jul-2019	Jul 2019	Lucie Chen	LO - BSD?	**Needs COR - Bert?** Very popular. Should not require significant time. Author is highly motivated and the tool is already integrated into bookshelf - working on recompetition now. Who manages other Bookshelf resources? Should it go there in the future?	
CHEM/TOX	3	Household Product Database (Henry DeLima)	Q3-Q4 FY2019	License of the content of the Household Product Database, a database on the health effects from exposure to the chemical ingredients in the household products	12/2018-12/2019	Dec-2021	Dec 2018	Lucie Chen	LO - BSD	**Needs COR - Bert?** Also very popular, so it will be evaluated. Looking to see if CPSE (Consumer Products Safety Excellence) will take it over.	
CHEM/TOX	1	HazMap (Jay Brown)	Q3-Q4 FY2019	License of the content of the HazMap database, a occupational exposure and diseases database	7/31/2019 -8/1/2020	Jul-2020	Jul 2019	Lucie Chen	Sunset	BSD - Bert is trying to find a new home, can't be added to bookshelf because of how it is structured. Contract ends in July...needs the Sunset form. **ISSUES**	
CHEM/TOX	3	ITER (Univ of Cincinnati)	Q FY2019	License of the content of the International Toxicity Estimates for Risk (ITER)	4/2019 - 4/2020	Apr-2021	Apr 2019	Bert Hakkinen	LO - BSD	Bert COR - Eventually integrated into Bookshelf; ownership of the contract is currently in question, will come down with TOXnet **ISSUES**	
CHEM/TOX	1	Poisindex emergency medical management (Truven Health) **(Not renewed yet as of March)**		License of the content of Poisindex from Truven Health	1/2019 - 1/2020	Jan-2019	Jan 2019	Jen Pakiam	NA - BSD or PSD?	Not renewed but in the process of renewing license, not sure where to go. Should Jen keep this one? Up for integration. Who holds "data" in LO?	
CHEM/TOX	3	SIS and TOXNET computer system/IT support (ICF)		Contract for the main IT contract with ICF International for providing SIS computer system administration and information system development support.	This contract will end Sept, 2019. Contractors will go to OCCS. $800,000 funding goes to OCCS in September, 2019	Not going to re-compete	Sep 2019	Florence Chang	OCCS	COR Wei Ma, Supports 3.5 contractos, contract will end in Sept. Plans around transitioning of systems between now and Sept.	
CHEM/TOX	3	TOXNET/SSEUS Content Management System (Jeffery System)	Q4 FY 2019	Support the data entry and editing system and database maintenance for TOXNET databases, including HSDB, LactMed, and ITER	7/2019 - 7/2020	Jun-2019	Jul 2019	Phillip Thomas	OCCS	COR Wei Ma, setting up the recompete - will be done by July.	
DIMRC	3	Disaster Info Support (ICF)	Q2 FY2020	Includes support for librarian and computer programmer to support Disaster Lit, DIMRC web site, Disaster health informatics and communication innovation initiatives (training, communication)	9/2019 - 9/2020	Sep-2019	Sep 2019	Stacey Arnesen	LO - PSD	Siobhan will be task manager; broad task for IT and content; other innovation projects (Victor); genernal DIMRC website and Dis Lit. CMS, production and staging is at NLM. Programmer offsite, Librarian onsite (can change); will fund this POP	
DIMRC	1	WISER (Next Century)	Q1 FY2020	To support the development of the tool for responding to hazardous material incidents. For maintenance for all platforms with minor enhancements and data (content) updates, and prototyping of voice-activated assistant.	9/2019 - 9/2020	Sep-2019	Sep 2019	Jen Pakiam	LO **PSD or BSD?**	COR Jen - Bert is also part of the team (no hands on work - facilitator and promoter). Doesn't make sense long term in PSD - should all Tox stuff eventually land in BSD? Jen will be fully occupied; outside contractor does the program - does OCCS need to be looped in on this? this is expected to funded in Sep, recompete, offsite staff; mostly IT website; hosted at NLM; web version; 3 APPS; transitioning to PSD; we need to know about any funding for contractors that update the web pages; unclear about CMS	
DIMRC	3	NASEM Forums		NASEM Med Prep Forum & Action Collab on Disaster resesarch	9/2019 - 9/2020		Sep 2019	Stacey Arnesen	LO - PSD	transfer to PSD; NIH OD contract, we have a task on it to support NASEM; no IT, run forums; need to make a decision about contributing to this in 2019, Annual fee, Cheryl Field, should this be a membership - **Did this question get answered?**	
CHEM/TOX	1	CHEMM content creation and maintenance (AlphaTrac)	Q1 FY2020	Support the content creation and maintenance of Chemical Hazards Emergency Medical Management (CHEMM)	8/1/2019 - 7/31/2020	Aug-2019	Jul 2019	Bert Hakkinen	LO - PSD?	COR Bert- very involved; Jen marginally involved, considered one of the Disaster tools and closerly tied to WISER - where should it live? outside contractor does the program - does OCCS need to be looped in on this? Could work to have Jen take over COR and Bert as an advisor PSD -- Shifting from solo contract to task under a BPA - Get Jen involved in task	
DIMRC	1	REMM							LO - PSD?	Jen is the POC, Florence will be handing this off to her. Issues with the Content expert HHS funded contractor and with the technology; Florence has done the technology; funding by an interagency agreement by HHS. Dianne and David are aware of the situation - **ISSUE**	
Outreach	3	Special Population Resources Maintenance (ICF)	Q3 FY2019	Staffing, IT support for HealthReach, American Indian Health, Arctic Health	9/2018-9/2019	Sep-2019	Sep 2019	Laura Bartlett	NA LO-PSD?	Only one left is HealthReach; but the other ones are going, Being integrated into MedLinePlus. **Michael Honch in PSD as owner?**- Laura has some "Outreach" connections that involve getting content - she has a few tasks that she is doing through September - User studies (20-25% of her time until fully integrated)	
Outreach	**2**	Technical and Programmatic Support for Specific Population Projects (ICF)		Support services for outreach projects such as CHIC, Community Health Maps, etc	9/2018-9/2019	Sep-2019	Sep 2019	Janice Kelly	LO - OET?	Janice gave her suggestions; and will be meeting with Joyce and Amanda to discuss all Outreach programs; Prior John Scott had many Subcontracts for outreach awards, TBD; **need COR**	
Outreach	**2**	Maintenace and Development Support for SIS Programs Projects (ICF)		Provide comprehensive management and staffing services to the National Library of Medicine Specialized Information Services to support websites, services and activities	9/2018-9/2019	Sep-2019	Sep 2019	Nicole Scott	LO OET or PSD?	supports 2 contract staff - **Sent Amanda an note and she is interested; 80% DIMRC and 20% Outreach; - through Sept.**	
Outreach	**2**	EnHIP Chair		Support for the year long duties of the EnHIP chair	1/15/2019-1/14/2020	Jan-2019		Janice Kelly	LO - OET	**need COR; is this an annual PO? Laura?**	
Outreach	**2**	EnHIP senior advisor		Support for the year long duties of the EnHIP senior advisor Rueben Warren	9/20/2018-9/19/2019		9/20/2019	Janice Kelly	LO - OET	**need COR; is this an annual PO? Laura?**	

Outreach	**4**	Higher Ed Project		Project addressing the needs of minority serving institutions to use HSDB and other NLM resources	3/6/18-6/28/19	Jun-2019	6/28/2019	Cassandra Allen	Sunset	Totally Sunset at this point
Outreach	**2**	Training and Outreach Support Services for NLM (ICF)		Subaward to ORAU for training and outreach support, promotion and logistical support to SIS	9/2018-6/2019	Jun-2019	June 2019	Nicole Scott	LO - OET?	Being competed; **need COR? Will Nicole continue once funded or should this shift to OET?** Trying to put in a BPA - Nicole still involved and Jody is aware
Outreach	**2**	Training and Outreach Support Services for NLM (ICF)		OET will need to take over the separate LMS; what do they want to do with it. Resources have been developed				Nicole Scott	LO - OET?	No plans right now for LMS. **Ends in June or July?**
Outreach	**2**	Training and Outreach Support Services for NLM (ICF)		OET will need to take over exhibitingS; what do they want to do with it. Resources have been developed				Nicole Scott	LO - OET?	No plans right now for exhibiting. **Ends in June or July?**
CONS HLTH	1	Consumer Health Resources: Maintenance (ICF)	Q1 FY2020	Provide subject matter and IT expertise to support Tox Town's, Kids portal, and GeneEd	9/2018-9/2019	Sep-2019	Sep 2019	Alla Keselman	LO - BSD or PSD?	TOXTOWN - Alla is working on it; **should it go to BSD or PSD since they have consumer resources;** no content expert (people are gone) recommend PSD but needs a Task Manager - needs a home - **public facing website should transition to OCCS;** developer is ICF; different CMS; will this go into PSD as consumer or as a CHEM/Tox offering. need to know the funding breakdown of IT vs content and **need a task manager**
CONS HLTH	1	Special Population Resources Enhancement and Outreach (ICF)	Q4 FY2019 - Q1 FY2020	Support special population resources including HealthReach, Arctic Health, and American Indian Health.	9/2018-9/2019	Sep-2019	Sep 2019	Laura Bartlett	LO / OCCS	Need to figure out resources/funds - this is the content/Outreach part? Very little IT, done by FTE at OCCS; talk to Laura--what should happen? healthreach integrated into Med+; **need task manager; OCCS will need support for IT; Nicole is asking for an estimate for support of HR**
AIDS	**1**	AIDSinfo and AIDSource (ICF)	Q4 2020	Manage daily operations of the AIDSinfo, infoSIDA and AIDSource services - the AIDSinfo website, guidelines and panels, and treatment information	9/2018-9/2019	Sep-2019	Sep 2019	Nicole Scott	LO **OCPL**	OCPL? Patty wants it transitioned to another IC, Nicole is working on that
AIDS	**1**	AIDSinfo and AIDSource: Supplemental Tasks (ICF)	Q4 2020	Support for content development, outreach, training, evaluation, user studies, etc	9/2018-3/2020	Sep-2019	Sep 2019	Nicole Scott	OCPL?	OCPL? Being evaluated for inclusion in MedlLinePlus- **Andrew Plummer in PSD as an option; logical choice.** Nicole and team talking about this. Julian works on this as well as part of the team.
AIDS	**3**	AIDS Foundation Houston (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2019	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Black Girl Health (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Comunidades Unidas (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Philadelphia FIGHT (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Prevention Collaborative (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	SFPH HIVE (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	SFPH PleasePrEPMe (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	University of Massachusetts Medical School (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
Diatery Supplements LD and ID	3			Curration of labels, and content all done by ODS; NLM provides hosting					LO- BSD	They have a year to find a new home; Jeanne is involved this will move to BSD to be wrapped up. Coordinate with OCCS on the hosting piece.

	Agency	Offering	Contract	POC @NLM	POC @fed. Agency	Funding FY2018	
CHEM/TOX	FDA	ChemIDplus; Substance Registry	ICF BPA; DSFederal; Cygnus; Scientific Thinking	Ying Sun	Larry Cunningham	$50,000	
DIMRC	DOT	WISER	Next Century	Jen Pakiam	Tom Kitty	$27,179.72	To PSD; not funded as of May 2; expect increase for ERG updates; all to the
AIDS	HRSA	AIDSinfo	ICF BPA;	Nicole Scott	Laura Cheever/ Andrea Knox	$25,000	AIDSINFO funding; Nicole is going to continue support this effort (to OCPL)
CHEM/TOX	FDA	Support FDA Office of Orphan Products Development (OOPD)	ICF BPA	Nicole Scott; Ying Sun	Cora Sutton	$195,000	
CHEM/TOX/DIMRC	ASPR	REMM/CHEMM	ICF BPA; Next Century; ICF (IT contract)	Florence Chang; Stacey Arnesen	John Koerner	$221,000	a portion of this goes onto this to support CHEMM ofn the WISER app; expect funding in 2019
NICHSR	ASPE	NICHSR	ICF BPA	?	?	$150,000	

Direct Citations								
CAN Citation Tracki	**IC Reference no.**	Offering	**CAN**	**FY2018 Amount**	**Issuing IC**	**Receiving IC**	**Purpose**	
DC-LM-18-03	DCC AI 501903	AIDSinfo	8470035	810,000.00	NIAID	NLM/SIS	AIDS Info Service	expected funding in 2019; plan to transition to NIAID in 2020; supports guidelines
DC-LM-18-13	DCC-AI-4042-06	NAS task for Forum on Medical and Public Health Preparedness for Disasters and	8010831	35,000.00	NIAID	NLM/SIS	Medical and Public Health	all of these (green) are collected by NLM to add to the NASEM contract for the forum
DC-LM-18-14	DCC-AI-7065-02	NAS task for Action Collaborative on Disaster Research	8010831	10,000.00	NIAID	NLM/SIS	IOM	
DC-LM-18-15	OD-2018-03	NAS task for Action Collaborative on Disaster Research	8469994	75,000.00	NIEHS	NLM/SIS	Large Scale Event	
DC-LM-18-17	OD-2018-02	NAS task for Forum on Medical and Public Health Preparedness for Disasters and	8469994	10,000.00	NIEHS	NLM/SIS	Catastrophic Event	
DC-LM-18-20	HD-8-132	NAS task for Action Collaborative on Disaster Research	8014682	10,000.00	NICHD	NLM/SIS	NASEM	
DC-LM-18-21	1837	NAS task for Action Collaborative on Disaster Research	8321311	5,000.00	FIC	NLM/SIS	NASEM	
DC-LM-18-22	OD-2018-05	NIH Disaster Research Response Program (https://dr2.nlm.nih.gov)	8469994	100,000.00	NIEHS	NLM/SIS	DR2 NLM Website	this is under discussion w/PB; goes to ICF; DR2 web (IT and content)
DC-LM-18-23	18-143	NAS task for Action Collaborative on Disaster Research	8391741	10,000.00	OBSSR/OD	NLM/SIS	NASEM	
DC-LM-18-24	D2-CO-8145		8323341	10,000.00	NCI	NLM/SIS	NASEM	

CATEGORY	CHEM/TOX THIS GROUP IS NOT GOING TO HAPPEN?	DRUG	CONS HLTH	DIMRC THIS GROUP IS NOT GOING TO HAPPEN?	DATA	AIDS	OUTREACH
Senior Leader(s)	**Florence Chang** **Jim Ostell** **Joyce Backus**	**Joyce Backus** **Clem McDonald** **Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman -	Barbara Bushman Pete Seibert or Mike Davidson	NLM/OD with NIH, HRSA, etc	Amanda Wilson
Members	Evan Bolton Stacy Lathrop	David Hale Olivier Bodenreider	Laura Bartlett Alla Keselman	NNCO Lisa Sedlar	Eric Sayers		
	Bert Hakkinen Jean Goshorn	Tammy Powell or Chris Hui Patrick McLaughlin or team member	Fedora Braverman	Siobhan Champ-Blackwell	Rebecca Goodwin		
	Jim Pash	Jen Jentsch Duc Nguyen or team member Wei Ma or team member NCBI?	OCPL NNCO MMS-training		David Hale OCCS LHC		

See TABS for info on offerings and contracts related to each category

DRAFT

DRAFT

	A	B	C	D	E	F	G
38	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
39	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG reviewed.
40	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
41	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads
42	ToxMystery	Sunset	Florence	approved pre-portal			done
43	TOXNET	Sunset	Jeanne	in the portal	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on	Part of the TOXNET integration with NCBI platforms
44	ToxTown	PSD	Alla				
45	TRI	Sunset	Colette	in the portal	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services

	A	B	C	D	E	F	G
46	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
47	**PROGRAMS**						
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead
55	K-12 Program	Sunset	Alla	in the portal	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website. Make a list of unique assets from

	A	B	C	D	E	F	G
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement
57	Disaster Information Specialist	PSD	Stacey Siobhan				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	**SOCIAL MEDIA**						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest -HIV Community Infor...
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) ○○HIV Community Info...

	A	B	C	D	E	F	G
61	K-12 Science and Health Education	Sunset	Alla	in the portal		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter
62	#NAME?	Sunset	Colette	in the portal		See message in plan	Delete in June. Remove from https://www.nih.gov/news-events/social-media-outreach
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information -STEM Newsletter

	A	B	C	D	E	F	G
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolenc	Alla				
67	Animations in YouTube	TBD	Alla				
68	Division of Specialized Information Services	Sunset	Florence /OCPL	in the portal	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM main
69							
70							

From: Gillikin, David (NIH/NLM) [E]
Sent: 29 Jul 2019 15:33:24 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E]
Subject: Agenda items for LO / BSD meeting today, 3:00

Joyce, Dianne
Here are the agenda items for our meeting today. Most of them are really status updates. We'll see which ones you want to discuss. Jeanne has some information about the 2 Dietary Supplements databases to share, which is item #2.
David

MTG w/ LO and BSD

July 29, 2019

1. VSAC
    - Due to a proposed rule change related to opiod data, OGC and CMS are requesting that VSAC republish the May update with this data change. The VSAC team will work on this, but it means that planned development work will be stopped to accommodate the production work. There is still discussion that CMS wants to keep the to-be revision as version 1, which it won't be. The VSAC team is trying to see if something like a version 1.1 or 1a designation might be a compromise.
    - OCCS proposal to develop cloud-based VSAC
        - Provided feedback to Duc on the document prepared by OCCS that would request funding to develop a cloud-based version of VSAC (to replace the redundancy and access provided by the NCCS version).
        - Once Ivor and Duc produce a final version, have told Duc that Jerry needs to review it before we can send it to CMS. It would go to Vivian's COR contact.
2. Dietary Supplements databases: Update from Jeanne
3. LactMed
    - Bert is working on a contract renewal, which apparently is late. He's talking with Stacey and Jeanne on this work
    - LactMed as a source is part of the NCBI ToxNet integration effort. Bookshelf has been working with the LactMed author and he will be able to provide XML to BookShelf in the future. The last LactMed update via the SIS systems should be completed by the end of July. Future updates will be via BookShelf.
    - LactMed has an App, which has been reported as not being updated in several months. Apparently, Florence use to provide text files to the SIS developer for the App. The developer thinks she can use the BookShelf XML flies as a update source. The long-term viability of the App needs to be considered – it would be a sunset consideration for a part of an offering, but not the sunsetting of an offering.
4. SIS product Apps – Since the LactMed App issue was unknown, Collette provide a list of Apps that she was aware of. David Hale has been asked to review this list and develop a report identifying what the Apps are for, what products they support and other information. The identified Apps are:

AIDSinfo HIV/AIDS Drug Database	LactMed
AIDSinfo HIV/AIDS Glossary	Mobile REMM (iOS & Android)
AIDSinfo HIV/AIDS Guidelines	Pillbox
Base Chase	Run4Green

Bohr Thru	TOXinvaders
Embryo	Tox-App
ERG2016 (iOS & Android) (Soon to change to the ERG2020 app)	WISER (iOS & Android)

5. NCBI ToxNet Integration
    - The most recent NCBI ToxNet Integration meeting was held on Thursday July 25. From the meeting, it became apparent that Florence Chang did not designate anyone as the lead POC from SIS staff to carry on this work.
    - From the meeting David agreed to take on the task to identify a Lead from the LO side. The other staff who have been attending are Jeanne Goshorn, Collette Hochstein, and Bert Hakkinen.
    - Jeanne Goshorn will need to serve as the lead for LO on this effort. However, Collette has provided much of the documentation revision and organization previously for Florence. Her knowledge and background on this effort is extremely vital, and her continued involvement is necessary.
6. HR Actions
    - Heath Program Specialist update
        - 13 and 14 PDs drafted, sent to HR.
        - Teleconference call on Friday 7/26 with Dave Wittenberg and Aisha
        - Dave W. will review the 13 PD
        - He has reviewed the 14 PD again. He plans on talking to the DE Unit about a selective factor. He said we may need to provide subject matter expert due to the selective factor.
        - We confirmed that SNOMED CT should not be used in the job title.
    - MMS positions (V-Herron, V-Roy): Sara had a conference call with Dave Wittenberg and Aisha. Dave to send back some paperwork that needs to be resigned.
7. Contracts
    - RxNorm editing contract – delayed a week while Uyen is out. She did not receive a response on time from the Small Business Administration last week which has delayed her work
    - HSDB contracts
        - The first contract re-competition is near completion. Technical questions were responded to and not additional concerns were voiced.
        - The second contract re-competition – proposals received by the Contracts Office but have not been sent to the technical review team. Hope to have the review meeting late this week/early next week.

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 29 Jul 2019 11:59:38 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	CCRIS
Description	The CCRIS database contains chemical records with carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results. It was developed by the National Cancer Institute (NCI). Data are derived from studies cited in primary journals, current awareness tools, NCI reports, and other sources.
Document(s) Supporting Justification	TOXLINE retirement.docx SIS-sunset-resources.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Colette Hochstein Sanjay Jain

	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen
Communicated Message	CCRIS was originally created by the National Cancer Institute (NCI) and covers the years 1985 to 2011. It is part of TOXNET, and the information it contains is already incorporated into PubChem. On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage

	Information delivered at staff meetings Other: Tech Bulluetin
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, NCI
Communicated Message	CCRIS as a separate database will no longer be available after NLM's TOXNET is retired. In this format it will be available on the FTP site, and the data it includes is already part of NLM's PubChem. On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a

	complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Technical Bulletin Social Media Emails
Communication Frequency	Weekly Monthly
Retained Content	NLM Website FTP
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available vis a new TOXNET transition page.

Request Information	
Request ID	361
Task ID	461
Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	07/29/2019 10:28 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Goshorn, Jeanne (NIH/NLM) [E]
Sent: 29 Jul 2019 18:45:30 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Good. I'm trying to get the rest of these in to the system now that we have the offerings list.

I am still having some problems with the submission system, even from the desktop at work. The link to the TOXLINE retirement is not really relevant to CCRIS, but I could not delete it.

Jeanne

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Monday, July 29, 2019 2:13 PM
To: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: FW: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Thanks for submitting this. I approved it.

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Monday, July 29, 2019 12:00 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	CCRIS
Description	The CCRIS database contains chemical records with carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results. It was developed by the National Cancer Institute (NCI). Data are derived from studies cited in primary journals, current awareness tools, NCI reports, and other sources.
Document(s) Supporting Justification	TOXLINE retirement.docx SIS-sunset-resources.docx

Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Colette Hochstein Sanjay Jain Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan

Staff to be Informed	Colette Hochstein Pertti Hakkinen
Communicated Message	CCRIS was originally created by the National Cancer Institute (NCI) and covers the years 1985 to 2011. It is part of TOXNET, and the information it contains is already incorporated into PubChem. On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings

	Other: Tech Bulluetin
Retained Content	FTP
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	TOXNET users, NCI
Communicated Message	CCRIS as a separate database will no longer be available after NLM's TOXNET is retired. In this format it will be available on the FTP site, and the data it includes is already part of NLM's PubChem. On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Technical Bulletin Social Media Emails
Communication Frequency	Weekly Monthly

Retained Content	NLM Website FTP
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available vis a new TOXNET transition page.

Request Information

Request ID	361
Task ID	461
Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	07/29/2019 10:28 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/NLM) [E]
Sent: 29 Jul 2019 20:10:15 +0000
To: Middleton, Grace (NIH/NLM) [C]
Subject: FW: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Did you get this?

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Monday, July 29, 2019 2:13 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	CCRIS
Description	The CCRIS database contains chemical records with carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results. It was developed by the National Cancer Institute (NCI). Data are derived from studies cited in primary journals, current awareness tools, NCI reports, and other sources.
Document(s) Supporting Justification	TOXLINE retirement.docx SIS-sunset-resources.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Colette Hochstein Sanjay Jain Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan

Staff to be Informed	Colette Hochstein Pertti Hakkinen
Communicated Message	CCRIS was originally created by the National Cancer Institute (NCI) and covers the years 1985 to 2011. It is part of TOXNET, and the information it contains is already incorporated into PubChem. On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: Tech Bulluetin
Retained Content	FTP
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	TOXNET users, NCI

Communicated Message	CCRIS as a separate database will no longer be available after NLM's TOXNET is retired. In this format it will be available on the FTP site, and the data it includes is already part of NLM's PubChem. On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Technical Bulletin Social Media Emails
Communication Frequency	Weekly Monthly
Retained Content	NLM Website FTP
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available vis a new TOXNET transition page.

Request Information

Request ID	361
Task ID	481

Request Status	Associate Director Approved
Created By	Jeanne Goshorn
Date Created	07/29/2019 10:28 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Backus, Joyce (NIH/NLM) [E]
Sent: 30 Jul 2019 15:14:27 +0000
To: Goshorn, Jeanne (NIH/NLM) [E]
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Thanks for your persistence. Wei Ma's staff built it, so they may have some advice.

From: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Sent: Monday, July 29, 2019 2:46 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: RE: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Good. I'm trying to get the rest of these in to the system now that we have the offerings list.

I am still having some problems with the submission system, even from the desktop at work. The link to the TOXLINE retirement is not really relevant to CCRIS, but I could not delete it.

Jeanne

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Monday, July 29, 2019 2:13 PM
To: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: FW: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

Thanks for submitting this. I approved it.

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Monday, July 29, 2019 12:00 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	CCRIS
Description	The CCRIS database contains chemical records with carcinogenicity,

	mutagenicity, tumor promotion, and tumor inhibition test results. It was developed by the National Cancer Institute (NCI). Data are derived from studies cited in primary journals, current awareness tools, NCI reports, and other sources.
Document(s) Supporting Justification	TOXLINE retirement.docx SIS-sunset-resources.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Colette Hochstein Sanjay Jain Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan

Staff to be Informed	Colette Hochstein Pertti Hakkinen
Communicated Message	CCRIS was originally created by the National Cancer Institute (NCI) and covers the years 1985 to 2011. It is part of TOXNET, and the information it contains is already incorporated into PubChem. On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET

	transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: Tech Bulluetin
Retained Content	FTP
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	TOXNET users, NCI
Communicated Message	CCRIS as a separate database will no longer be available after NLM's TOXNET is retired. In this format it will be available on the FTP site, and the data it includes is already part of NLM's PubChem. On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019

Communication Channel(s)	Technical Bulletin Social Media Emails
Communication Frequency	Weekly Monthly
Retained Content	NLM Website FTP
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available vis a new TOXNET transition page.

Request Information

Request ID	361
Task ID	461
Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	07/29/2019 10:28 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 1 Aug 2019 15:36:50 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	Gene-TOX
Description	GENE-TOX provides genetic toxicology (mutagenicity) test data from expert peer review of open scientific literature for more than 3,000 chemicals from the United States Environmental Protection Agency (EPA). GENE-TOX was established to select assay systems for evaluation, review data in the scientific literature, and recommend proper testing protocols and evaluation procedures for these systems. This database was originally supported on TOXNET by EPA and covers the years 1991 - 1998. It is no longer updated or supported by EPA.
Document(s) Supporting Justification	Gene tox sunset submission.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO

Key Staff Involved	Colette Hochstein Sanjay Jain Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	The Gene-TOX database on TOXNET will be retired on December 1, 2019, or when the current TOXNET Web site is taken down.
Date the Message will be Sent	06/19/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP Other: FTP-archived resources site
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Environmental Protection Database (EPA)
Communicated Message	The Gene-TOX database on TOXNET will be retired on December 1, 2019, or when the current TOXNET Web site is taken down. Information from it may be available from EPA on their NSCEP publications database. or from the National Technical Information Service (NTIS).
Date the Message will be Sent	08/02/2019
Communication Channel(s)	Technical Bulletin Social Media Emails
Communication Frequency	Weekly Monthly
Retained Content	FTP Other: FTP archived NLM resources site
Page Redirected	No
Additional Information	---

Request Information	
Request ID	301
Task ID	501
Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	06/19/2019 05:01 p.m.

APPROVE **RETURN** * **REJECT** *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 1 Aug 2019 15:36:50 -0400
To: Hochstein, Colette (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Jain, Sanjay (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Thomas, Phillip (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: ATTENTION: NLM SUNSETTING REQUEST CREATED

ATTENTION: The following Sunsetting Request was **CREATED** by Jeanne Goshorn.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	Gene-TOX
Description	GENE-TOX provides genetic toxicology (mutagenicity) test data from expert peer review of open scientific literature for more than 3,000 chemicals from the United States Environmental Protection Agency (EPA). GENE-TOX was established to select assay systems for evaluation, review data in the scientific literature, and recommend proper testing protocols and evaluation procedures for these systems. This database was originally supported on TOXNET by EPA and covers the years 1991 - 1998. It is no longer updated or supported by EPA.
Document(s) Supporting Justification	Gene tox sunset submission.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO

Key Staff Involved	Colette Hochstein Sanjay Jain Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	The Gene-TOX database on TOXNET will be retired on December 1, 2019, or when the current TOXNET Web site is taken down.
Date the Message will be Sent	06/19/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP Other: FTP-archived resources site
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Environmental Protection Database (EPA)
Communicated Message	The Gene-TOX database on TOXNET will be retired on December 1, 2019, or when the current TOXNET Web site is taken down. Information from it may be available from EPA on their NSCEP publications database. or from the National Technical Information Service (NTIS).
Date the Message will be Sent	08/02/2019
Communication Channel(s)	Technical Bulletin Social Media Emails
Communication Frequency	Weekly Monthly
Retained Content	FTP Other: FTP archived NLM resources site
Page Redirected	No
Additional Information	---

Request Information	
Request ID	301
Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	06/19/2019 05:01 p.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Babski, Dianne (NIH/NLM) [E]
Sent: 1 Aug 2019 19:53:08 +0000
To: Nurik, Jody (NIH/NLM) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: Copy of LO Offering Criteria List.xlsx
Attachments: Copy of LO Offering Criteria List.xlsx, Copy of 07-29-2019 OCCS Mapping to LO Offering List.xlsx

Here's LO's and OCCS' lists--if it helps. You'll see that we added offerings to the OCCS list and now we'll add items from the OCCS list to ours (as resources).

And there are questionable things listed on the OCCS list that we need to review and possibly sunset—or just whack!

Make sense? Happy to chat again ☺
-D

OFFERING	Resource 1	Resource 2	Resource 3	Resource 4	Resource 5	Resource 6	Resource 7	Resource 8	Resource 9	Resource 10	Resource 11	Resource 12	Resource 13	Resource 14	Resource 15	Resource 16
AIDS Information	*AIDSinfo*	*AIDSource*														
CHEM/TOX	*ARRIS*	*Chemical Hazards Emergency Medical Management*	*ChemIDplus*	*Environmental Health Student Portal*	*Environmental Health and Toxicology Information*	*Household Products Database*	*Hazardous Substances Data Bank (HSDB)*	*Tox Town*	*Tox Tutor*	*Toxline*	*ToxMap*	*TOXNET*	*Integrated Risk Information System (IRIS)*	*International Toxicity Estimates for Risk (ITER)*	*LactMed*	*LiverTox*
Consumer Health	*MedlinePlus*	*MedlinePlus en*	*MedlinePlus Connect*	*HealthReach*	*GHR (from LHC)*											
Dietary Information	*Dietary Supplement Ingredient Database*	*Dietary Supplement Label Database*														
Disaster Information	*Disaster Information Management Research Center (DIMRC) website*	*Wireless Information System for Emergency Responders (WISER)*	*Disaster Lit: Database for Disaster Medicine and Public Health*	*NIH Disaster Research Response Program (DR2)*	*Radiation Emergency Medical Management (REMM)*											
Drug Information	*Drug Information Portal*	*PillBox*	*Substance Registration System*													
Historical Web Curated Content	*Directories (DHMC & HAC)*	*FDA NLI*	*Profiles in Science*	*Medicine on Screen*	*Online Exhibitions*	*Circulating Now*	*Local Legends*									
HSR Information Services	*PNPartners.org*	*HSRIC*	*HSRProj*	*HSRR*												
Library Services	*LocatorPlus*	*Voyager*	*HMD Finding Aids*	*IndexCat*	*DOCLINE*	*Journal Donation*	*LSTRC Publisher Web Form*	*SFX*	*EAI*							
MEDLINE/PUBMED	*LinkOut for Libraries*	*NMS*	*NMS Batch*													
NLM Collection (Physical, Electronic, &	*NLM Digital Collections*	*ERMS*	*GIS*	*NLM Classification*												
NLM Main Web	*NLM Products and Services Directory*	*Data Discovery (from SIS)*	*Intl Programs*	*Information Rx*												
Outreach & Training	*NNLM Web Resources*	*Learning Resource*	*Social Media*													
Terminologies	*MeSH RDF*	*MeSH Vocabulary*	*ReNorm*	*SNOMED CT & NTSDO*	*UMLS*	*VSAC*	*CDE Repository*	*DailyMed*								

Submitted offerings/resources:

Loansome Doc
LIS main website
American Indian Health
Arctic Health
Tox Mystery
DocMap
HealthLit

OFFERING	External customer-facing	Core to NLM mission	Combines a group of complementary capabilities/ functionalities	Grouped offerings serve similar or related constituencies	Name or "brand" recognition	Specific policy mandates	*IF CRITERIA DO NOT APPLY, IS IT A RESOURCE?*
AIDS Information	X		X	X			
CHEM/TOX	X	X	X	X	X	X	
Consumer Health	X	X	X	X			
Dietary Information	X		X	X			
Disaster Information	X		X	X			
Drug Information	X		X	X			
Historical Web Curated Content	X	X	X	X	X		
HSR Information Services	X		X	X		X	
Library Services	X	X	X	X	X		
MEDLINE/PUBMED	X	X			X		
NLM Collection (Physical, Electronic, & Metadata)	X	X	X	X	X		
NLM Main Web	X	X	X	X	X		
Outreach & Training	X	X	X	X			
Terminologies	X	X	X	X	X	X	

NLM Offerings	Resource Name	Resource Description	Resource Owner	Resource Owner's Email	Branch/Section	Access	Website URLs	Resource Criticality	Comments
AccessGUDID (OCCS Offering)	AccessGUDID	The Global Unique Device Identification Database (GUDID) contains key device identification information submitted to the FDA about medical devices that have Unique Device Identifiers (UDI).	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	External	https://accessgudid.nlm.nih.gov	Mission Critical	
AccessGUDID	AccessGUDID Batch	Batch Process for GUDIDThe Global Unique Device Identification Database (GUDID) contains key device identification information submitted to the FDA about medical devices that have Unique Device Identifiers (UDI).	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A	Against The Odds **(LO Offering: Historical Web Curated Content)**	The National Library of Medicine has launched a six-banner traveling exhibition that tells many stories about the revolution in global health that is taking place in villages and towns around the world.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://apps.nlm.nih.gov/againsttheodds/index.cfm	Mission Critical	
N/A	ChemIDPlus (LO Offering: Chem/TOX)	The ChemIDplus database is a public web-based search system that provides access to structure and nomenclature to identify chemicals cited in the National Library of Medicine (NLM) databases and in other major government databases. The database contains over 420,000 chemical records of which over 335,000 include chemical structures.	Chandra Kola	kolac@nih.gov	EHISS	External	https://chem.nlm.nih.gov/chemidplus/	Mission Critical	
N/A	Changing the Face of Medicine **(LO Offering: Historical Web Curated Content)**	Asset tracking/management database for the exhibition program of HMD at NLM.	Winston Churchill	churchw@mail.nlm.nih.gov	ETLSS	External	http://www.nlm.nih.gov/changingthefaceofmedicine	Mission Critical	
NLM Classification	Classification Editor **(LO Offering- NLM Collection (Physical, Electronic, Metadata)**	Ever year TSD needs to renew category numbers. This application allows TSD to print out new labels and generate HTML pages and PDF files. Pages and files are loaded on the NLM Main Web.All the Classification are static pages/files, but the data is edited by the Editor.TSD needs to renew the HTML and PDF files annually, and the HTML and PDFs are generated from Editor.Terms from MeSH are indexed and scheduled at https://www.nlm.nih.gov/class/ (outline of index of)Classification of Medical terms (Pathology, Clinical Pathology, etc)	Tracy Pan	pantr@mail.nlm.nih.gov	ETLSS	Internal	http://wwwsvlt.nlm.nih.gov/class/ClassEditLogon.jsp	Mission Operational	
N/A (OCCS)	CMDB App	Provides a user-friendly interface to browse through the services that are provided by the NLM ITSM team. In addition, it allows service owners to make changes to a service and users to suggest changes to a service.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	Internal	http://itservices.nlm.nih.gov	Mission Related	
CDE Repository	Common Data Elements (**LO Offering: Terminologies**)	The NIH Common Data Elements (CDE) Repository has been designed to provide access to structured human and machine-readable definitions of data elements that have been recommended or required by NIH Institutes and Centers and other organizations for use in research and for other purposes. Visit the NIH CDE Resource Portal for contextual information about the repositoryData Element (DE) - Information that describes a piece of data to be collected in a study	Christophe Ludet	christophe.ludet@nih.gov	MLB	External	https://cde.nlm.nih.gov	Mission Related	
N/A	Conservation Tracking DB **(LO Offering: Historical Web Curated Content)**	The NLM conservation staff uses the conservation database to record multiple tasks into one database. Multiple tasks include multiple treatment methods and conditions, such as survey, lab work, media, photography, conditions, previous/proposed treatments, housing, exhibition etc. And they need to record a lot of very detailed information of an item conservation. For example for media that may record color, print media, drawing, painting and conditions, for lab work may record date/time, location, conservator, approved by, completed date, using time, processing status etc. The current database allows conservators to input treatment and condition reports which provides a comprehensive and automated method for documenting their work. Current database features: 1. Store treatment reports, condition reports, surveys, and housing (storage) both current and past - for paper-based objects including flat paper manuscripts and art-on-paper, photographs, and bound materials2. Track collection items exhibition history3. Monitor progress of conservation treatment4. Linked to and searchable through Voyager	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	Internal	https://wwwcf.nlm.nih.gov/internal/conservt/login.cfm	Mission Operational	
DailyMed	DailyMed (**LO Offering: Terminologies**)	Daily Med is a website operated by the U.S. National Library of Medicine (NLM) to publish up-to-date and accurate drug labels (also called a "package insert") to health care providers and the general public. The contents of DailyMed is provided and updated daily by the U.S. Food and Drug Administration (FDA). The FDA in turn collects this information from the pharmaceutical industry.	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	External	https://dailymed.nlm.nih.gov/dailymed/	Mission Critical	
DailyMed	DailyMed Batch **(LO Offering: Terminologies)**	Batch Process for Daily Med.Daily Med is a website operated by the U.S. National Library of Medicine (NLM) to publish up-to-date and accurate drug labels (also called a "package insert") to health care providers and the general public. The contents of DailyMed is provided and updated daily by the U.S. Food and Drug Administration (FDA). The FDA in turn collects this information from the pharmaceutical industry.	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A (OCCS)	Database Password Manager	Manages and provides Database passwords for applications and users.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	Internal	https://dbp.nlm.nih.gov	Mission Critical	
N/A	DBMaint (LO Offering: Drug Information)	This is the application used to add and edit substance data. It is the only one of the old apps that connects to a database.	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	External	N/A	Mission Related	
NLM Digital Collections	Digital Collections **(LO Offering: NLM Collection (Physical, Electronic, & Metadata))**	Digital Collections is the National Library of Medicine's free online resource of biomedical books and still and moving images. All of the content in Digital Collections is freely available worldwide and, unless otherwise indicated, in the public domain. Digital Collections provides unique access to NLM's rich resources	Doron Shalvi	doron.shalvi@nih.gov	EHISS	External	http://collections.nlm.nih.gov	Mission Critical	
HMD Web Curated Content	Digital Gallery (**LO Offering: Historical Web Curated Content**)	The Digital Gallery explores different topics to discover how images of nurses and nursing are informed by cultural values.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://apps.nlm.nih.gov/exhibition/digitalgallery/index.cfm	Mission Critical	
N/A	Digital Library Extension (LO Offering: Library services)	The NLM History of Medicine Division (HMD) offers a finding aids search and delivery platform based on the University of Michigan's DLXS (Digital Library Extension Service) software. DLXS supports encoded text collections, digital image collection, bibliographic data and EAD2002-encoded finding aids. NLM patrons can search and browse the content of over 190 existing EAD (Encoded Archival Description) encoded collection guides.NLM is currently using the latest version of the DLXS (version 14). DLXS requires XPAT (SGML/XML-aware search engine), MySQL database, Apache Web server, and Perl. [oculus.nlm.nih.gov - Archives and Modern Manuscripts Finding Aids]	Eric Kamal	kamale@mail.nlm.nih.gov	ETLSS	External	http://oculus.nlm.nih.gov/cgi/f/findaid/findaid-idx?c=nlmfindaid	Mission Operational	
N/A	Digital Preservation (Lo Offering: NLM Collection)	Preservation of digital content not covered by PubMedCentral and the NIH CIT Videocast project.	Doron Shalvi	doron.shalvi@nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A (NLM Internal App)	Digital Signage	A Digital display of the NIH shuttle, on route, in real time.Covers the maintenance of the following systems:Shuttle display Monitor wall - near the stairs Systems in the cafeteria	Dianna Adams	adamsdl@mail.nlm.nih.gov	DSS	Internal	N/A	Mission Related	

DOCLINE	DOCLINE **(LO offering: Library Services)**	DOCLINE is the National Library of Medicine's automated interlibrary loan (ILL) request routing and referral system. The purpose of the system is to provide efficient document delivery service among libraries in the National Network of Libraries of Medicine (NN/LM).	Joseph Schechter	joseph.schechter@nih.gov	EHISS	External	https://www.docline.gov	Mission Critical	
DOCLINE	DOCLINE Batch **(LO offering: Library Services)**	Batch processes connected with Docline - DOCLINE is the National Library of Medicine's automated interlibrary loan (ILL) request routing and referral system. The purpose of the system is to provide efficient document delivery service among libraries in the National Network of Libraries of Medicine (NN/LM).	Joseph Schechter	joseph.schechter@nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A	Drug Information Portal (LO Offering: Drug Information)	The NLM Drug Information Portal gives users a gateway to selected drug information from the National Library of Medicine and other key government agencies.	Chandra Kola	kolac@nih.gov	EHISS	External	https://druginfo.nlm.nih.gov/drugportal/	MIssion Critical	
N/A	Emergency Access Initiative (LO Offering: Library Services)	The Emergency Access Initiative (EAI) is a partnership of the National Library of Medicine, the National Network of Libraries of Medicine, and the Professional/Scholarly Publishing Division of the Association of American Publishers. EAI provides free access to full text articles from major biomedicine titles to healthcare professionals, librarians, and the public in the United States affected by disasters. Users in the United States affected by a disaster can request access to free full text articles by calling 1-800-338-7657 or contacting your local medical library.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://eai.nlm.nih.gov	Mission Critical	
N/A	Encoded Archival Description (LO Offerings: Library Services)	EAD stands for Encoded Archival Description, and is the non-proprietary, international standard for the encoding of finding aids for use in a networked (online) environment. Finding aids are inventories, indexes, or guides that are created by archival and manuscript repositories to provide detailed information about specific collections, their creators, context, and detailed contents lists. Developed by the EAD Working Group of the Society of American Archivists and first published in 1998, EAD is an Extensible Markup Language (XML) format used by archivists around the globe. The development of EAD made it possible to create electronic finding aids within a specifically archival data structure compliant with General International Standard Archival Description (ISAD(G)).The application site has the ability to create and view EAD collections of archival materials. A created EAD collection may be viewed on the site or downloaded. Collections are created via a multipart form. Upon form submission, the software transforms the input data into XML. Collections may be viewed, edited or downloaded via a sortable datatable on the index page. The site features user login by password. There are two levels of accounts admin, and user.The site is a .net Windows Forms application. It stores the data in an Oracle database. There is a dev and production environment of the software and database. dev HMD EAD dev location prod HMD EAD prod location Stash EAD HMD source control of application	Jeremy Markowitz	markowitzjj@mail.nlm.nih.gov	ELTSS	External	https://ead.nlm.nih.gov	Mission Related	
N/A	Ending the Document Game (where is this linked from? does this get any usage? What a hanging chad!) (LO Offering: HSR Information Services)	The Commission on Systemic Interoperability was authorized by the Medicare Modernization Act and established by the Secretary of Health and Human Services. Its members were appointed by the President of the United States of America and the leaders of the 108th United States Congress, and it held its first meeting on January 10, 2005.The Commission was charged with developing a strategy to make healthcare information instantly accessible at all times, by consumers and their healthcare providers. On October 25, 2005, the Commission released its report, Ending the Document Game: Connecting and Transforming Your Healthcare Through Information Technology, to the United States Congress, the Administration, and the American public	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	https://endingthedocumentgame.gov	Mission Critical	
NLM Products and Services Directory	Eresources **(Lo Offering: NLM Main Web)**	The public NLM Products and Services provides one place to easily identify available NLM electronic resources including datasets, biomedical databases. A separate, internal Eresources administration system allows MEDLARS Management Section (MMS) staff to manage the growing number of resources NLM offers and keep the public database up to date.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://eresources.nlm.nih.gov/nlm_eresources/	Mission Critical	
NLM Products and Services Directory	Eresources Admin **(Lo Offering: NLM Main Web)**	Eresources Administration system allows MEDLARS Management Section (MMS) staff to manage the growing number of resources NLM offers and keep the public database up to date.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	Internal	https://eresources.nlm.nih.gov/nlm_eresources/	Mission Critical	
N/A	Exhibit Asset Manager (LO Offering: Historical Web Curated Content)	Asset tracking/management database for the exhibition program of HMD at NLM.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	Internal	http://wwwcf.nlm.nih.gov/internal/eam/ExhibitManager/bin-release/index.cfm	Mission Operational	
N/A	Flash Media Streaming (LO Offering: NLM Main Web)	fmss.nlm.nih.gov - Streams videos for NLM public websites, such as NIH Senior Health	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://fmss.nlm.nih.gov	Mission Critical	
N/A	Health Topic Web Services (LO Offering Consumer Health)	Web service that provides external developers XML files based on Health Topic Searches in MedlinePlus	Tracy Pan	pantr@mail.nlm.nih.gov	ETLSS	External	https://wsearch.nlm.nih.gov/ws/query?db=healthTopics	Mission Critical	
N/A (OCCS Offering)	High-Risk Countries List	Lists all high risk countries managed by OCIO and ORS. One of the applications created because of the HHS memo on carrying Government Furnished Equipment on Foreign Travel.	Dasith Silva	dasith.silva@nih.gov	ETLSS	NIH-Wide	https://highriskcountries.nih.gov	Mission Critical	
HMD DHMC	HMD Directory (DHMC) **(LO Offering: Historical Web Curated Content)**	Directory of History of Medicine Collections. The HMD Directory database serves as a resource to provide information about the history of health sciences collections worldwide. Institutions submit their collections online and their collections entry are reviewed/updated/approved by HMD staff for inclusion in the Directory of History of Medicine Collections database as well as the printed edition of the Directory.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://hmddirectory.nlm.nih.gov/	Mission Related	
HMD DHMC	HMD Directory Admin (DHMC) **(LO Offering: Historical Web Curated Content)**	Web application to manage HMD Collections; information which includes approving/disapproving collections, adding data, etc.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://hmddirectory.nlm.nih.gov/	Mission Related	
HMD DHMC	HMD Maps (LO Offering: Historical Web Curated Content)	Unified service for all HMD maps.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	External	https://geoapps.nlm.nih.gov/hmd/hmfac	Mission Related	
HSRProj	HSRProject **(LO Offering: HSR Information Services)**	HSRProj is a searchable database providing access to ongoing grants and contracts in health services research. It provides access to information about health services research in progress before results are available in a published form. For example searching for asthma will display all current projects working in asthma research. The projects are performed by performing organizations and supporting organizations. The data is collected by UNC at Chapel Hill and sent to NLM NICHSR team in XML format.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/hsr_project/home_proj.cfm	Mission Critical	

HSRR	HSRR **(LO Offering: HSR Information Services)**	HSRR is a searchable database of information about research datasets, instruments/indices and software. The database includes brief descriptions of research resources and links to PubMed.HSRR is a searchable database for tools associated with a health topic, the results are displayed as datasets, instruments or software.Dataset. A file or group of files associated with one part of a study. Files associated with a dataset might include a datafile, a machine- readable codebook, SPSS control cards, and other files related to the datafile. Examples: The files associated with California might be considered one dataset in the 1990 Census of Population and Housing STF 1A study; the files associated with the First Congress, House of Representatives, in the study "Congressional Roll Call Voting Records."Instruments/Indices DefinitionMeasurement is the process of specifying and operationalizing a given concept. A research instrument contains the operational definitions of all measures related to the research and is primarily used to collect data. When a research instrument contains only questions and statements to be answered by respondents, it is called a questionnaire. from Shi L. Health services research methods. New York: Delmar; 1997. 410 p.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	External	http://hsrr.nlm.nih.gov	Mission Critical	
N/A (OCCS Offering)	HTTPS Compliance Dashboard	Provides information on NIH Domain and their HTTPS compliance	Soma Lanka	lankas@mail.nlm.nih.gov	ELTSS	NIH-Wide	https://https.nlm.nih.gov	Mission Related	
N/A	Image Interoperability Framework (IIIF) API **(LO Offering: NLM Collection (Physical, Electronic, & Metadata))**	This is Loris, an image server that implements the IIIF Image API Level 2. See <http://iiif.io/api/image/2.0/> for details and <https://github.com/loris-imageserver/loris> for the source code and implementation details.	Doron Shalvi	doron.shalvi@nih.gov	EHISS	External	https://iiif.nlm.nih.gov	Mission Critical	
N/A	IMS (LO Offering: MEDLINE/PubMed)	Created at NLM for Indexing and database maintenance. Available where ever there is Internet access. Interacts with MeSH and PubMed. Allows for module integration, such as Medical Text Indexing and Gene Indexing.Data = Serials (the journals that are in Medline) and MeSH (Medit) authority for MeSH Terms and Citations from Publishers, OCR and OldMedline.MTi is a tool that helps by suggesting MeSH terms to journal citations to Indexers.Publisher data comes from PubMed. OCR/OldMedline data will come from PubMed instead fo separate feeds (like OldMedline).	John Rozier	rozierj@mail.nlm.nih.gov	EHISS	External	https://ims.nlm.nih.gov	Mission Critical	
N/A	IMS Batch (LO Offering: MEDLINE/PubMed)	Created at NLM for Indexing and database maintenance.Loads NCBI publisher XML into IMS. Export Medline citations.Loads MTI Automated indexing.	John Rozier	rozierj@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Related	
IndexCat	IndexCAT **(LO Offering: Library Services)**	IndexCat provides access to the digitized version of the printed Index-Catalogue of the Library of the Surgeon General's Office; eTK for medieval Latin texts; and eVK2 for medieval English texts; along with links to other selected NLM resources.	Tracy Pan	pantr@mail.nlm.nih.gov	ETLSS	External	http://indexcat.nlm.nih.gov	Mission Operational	
N/A	Information Rx (LO Offering: Consumer Health)	NLMInformation Rx website is a free and easy way to refer people to trustworthy consumer health Web sites produced by the National Library of Medicine.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://informationrx.org	Mission Critical	
N/A	International Programs (LO Offering NLM Main Web)	Static map displaying African Journal Partnership programs in Africa.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	External	https://geoapps.nlm.nih.gov/services/international-programs/	Mission Related	
N/A (NLM Internal App)	Inventory Control System	The Office of Administration and Management Analysis (OAMAS) at the National Library of Medicine is responsible for warehousing and providing supplies to all library divisions. The operation entails receiving supply orders from designated library staff, known as customers, placing orders to vendors, maintaining inventories in the warehouse, filling orders as they are received from customers, and keeping records for billing, tracking backorders, and other managerial functions. The Inventory Control System is designed to improve OAMAS service to NLM by providing a user-friendly ordering mechanism, enabling managers to more closely track supply receipts from vendors and deliveries to customers, reducing the number of backlog orders, and shortening the backlogs.	Tony Luu	luul@mail.nlm.nih.gov	EHISS	Internal	wwwcf2.nlm.nih.gov/internal/inventory/customer/cwelcome.cfm	Mission Operational	
Journal Donation	Journal Donation **(LO offering: Library Services)**	The National Library of Medicine welcomes donations of print journal volumes that are missing from our collection. The Journal Donation system enables users to find out which volumes are needed and what they can donate.Relations with SERIAL, HOLDINGS.Journal Donations is based on the JDONATE database; they are journals donated to the NLM by other libraries.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/jdonate/index.cfm,Jdonate	Mission Related	
N/A	Learning Resources **(LO Offering: Outreach & Training)**	The learning resources project provides a way for authors to have a central metadata repository for the tutorials that they have created. There is an internal-facing web application where authors create metadata about their learning resource, and the repository can be queried to create public-facing views of certain product categories, such as LinkOut, UMLS, etc.Project Benefits:The repository allows a single point to manage metadata around training resources, and provides flexible categorization and metadata management. Authors will be able to look at a given training resource, and know all the places where it "lives" on NLM's website.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	External	N/A	Mission Related	
N/A	LinkChecker Batch **(since it is database to find broken links for PHPartners & HSRR, HSRProject, then, LO Offering: HSR Information Services)**	LinkChecker is a Java program that checks databases PHPartners, HSRR, and HSRProjects to make sure all links are not broken.LinkChecker is a type of health check designed to remove dead links in the database.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Related	
N/A (NLM Internal App)	Loading Dock	A system to document what is delivered to BLDG38A / OAMAS loading dock such as PCs, Laptops, Tablets, Cell Phones or any electronic devices. Those are accountable pieces of property receive a decal number before they are shipped to the users. Often receiving in the NBS system is not done in a timely fashion and the decal worksheet in NBS is not available to document the decal number associated with each piece of accountable property. As such, OAMAS needs means of documenting the decals associated with each piece of property shipped to users. Thus, Loading Dock system document the delivery to the end user and capture their ID badge information. This will be time stamped will indicate that OAMAS is no longer responsible for the item(s).	Tony Luu	luul@mail.nlm.nih.gov	EHISS	Internal	wwwcf2.nlm.nih.gov/internal/inventory/loadingdock/allmodules.cfm	Mission Operational	
Loansome Doc	Loansome Doc **(LO Offering: Sunsetted)**	Loansome Doc is NLM's application to enable a library patron to order articles from a list of citations retrieved from PubMed or the NLM Gateway by sending requests to their library	Joseph Schechter	joseph.schechter@nih.gov	EHISS	External	https://docline.gov/loansome/login.cfm	Mission Critical	Will be retired 7/1/2019

N/A	Local Legends (LO Offering: Historical Web Curated Content)	Local Legends is a partnership of the National Institutes of Healths National Library of Medicine (NLM), the NIH Office of Womens Health Research (OWHR), and the American Medical Womens Association (AMWA). On behalf of the partners, the AMWA annually calls upon the Congress to nominate outstanding women physicians from their state or district who have demonstrated commitment, originality, innovation, or creativity in her field of medicine. Local Legends is a companion gallery to NLMs Changing the Face of Medicine: Celebrating Americas Women Physicians exhibition on the campus of the National Institutes of Health in Bethesda, MD. The gallery spotlights these women physicians their lives, their achievements, their dreams, and the challenges they faced in becoming physicians. The exhibition, including the Local Legends gallery web site, will travel to cities across the country beginning in spring, 2005. In February 2004, those women physicians nominated by their Congressional representative to be Local Legends were announced at the American Medical Womens Association annual conference in San Diego, CA. These women are profiled in this web site. The AMWA has continued the Local Legends project providing the Congress with the opportunity to again nominate and recognize outstanding women physicians from their district or state to be featured in the exhibition since it began to travel throughout the United States in spring, 2005.	Winston Churchill	churchw@mail.nlm.nih.gov	ETLSS	External	http://www.nlm.nih.gov/locallegends	Mission Related	
LocatorPlus	LocatorPlus **(LO Offering: Library Services)**	The set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	External	http://locatorplus.gov	Mission Critical	
LSTRC Publisher Web Form	LSTRC Admin **(LO Offering: Library Services)**	Literature Selection Technical Review Committee. The system records current and historical data concerning Committee review of journal titles. LSTRC is an NIH chartered advisory committee of external experts who review and recommend biomedical and health (serial) journal titles to be indexed and included in MEDLINE/PubMed. LSTRC Admin takes the journals from MEDLINE Review and assigns it to reviewers in MEDLINE Reviewer Web and checks with Serials to see if journals exist there.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/lstrc/lstrc.html	Mission Operational	
N/A (NLM Internal App)	Manuscript Clearance	Manuscript Clearance enables digital submissions of manuscripts for NLM. The solution is comprised of a .net MCV web application, oracle database with triggers, and two additional .net applications running nightly on scheduled tasks. The web site is available to anyone with a NED account, validating user logon credentials automatically. The web application allows users to submit manuscripts and stakeholders to manage the editorial workflow. Notifications are emailed at keys stages of the process, alerting users with key roles to take action and move a request to the next stage. Users may search for requests they've submitted or are charged with acting upon. A super-admin role allows other roles to be configured through the site. The website communicates to the Oracle PCWPROD database. A dev and QA environment also exists for testing/staging.An additional .net console application notify those responsible for a specific stage of the application when no action has been taken in a multiple of 10 days. Another .net console application imports NED data on a nightly basis and updates the application's user database. These components each have a source control repository.	Jeremy Markowitz	markowitzjj@mail.nlm.nih.gov	ELTSS	Internal	https://manuscriptclearance.nlm.nih.gov	Mission Critical	
MEDLINE	Medline Review **(LO Offering: Medline/PubMed)**	The MEDLINE Review Application Form provides a standardized and efficient process for journal reviews. Editors and publishers electronically complete and submit the application form with current information about their journals to help ensure that NLM has the most accurate data available for its records. The form is required for all journals submitted to NLM for inclusion in MEDLINE.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/hmddirectory/admin/index.html	Mission Operational	
MEDLINE	Medline Reviewer Web **(LO Offering: Medline/PubMed)**	The MEDLINE Reviewer Web form provides LSTRC members an interface to rate journals from MEDLINE Review that are assigned in LSTRC Admin.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/lstrc/lstrcreviewer/index.html	Mission Operational	
MedlinePlus	MedlinePlus **(LO Offering: Consumer Health)**	MedlinePlus is the National Institutes of Health's Web site for patients and their families and friends. Produced by the National Library of Medicine, it brings you information about diseases, conditions, and wellness issues in language you can understand. MedlinePlus offers reliable, up-to-date health information, anytime, anywhere for free.	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	External	http://medlineplus.gov	Mission Critical	
MedlinePlus	MedlinePlus Batch **(LO Offering: Consumer Health)**	MedlinePlus Service BatchAll batch jobs for MedlinePlus. For example, nightly pages build, data clean up, data retrieval and etc...	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Related	
MedlinePlus Connect	MedlinePlus Connect **(LO Offering: Consumer Health)**	MedlinePlus Connect is a free service of the National Library of Medicine (NLM) and the National Institutes of Health (NIH). This service allows any electronic health record (EHR) system to easily link users to MedlinePlus, an authoritative up-to-date health information resource for patients, families and health care providers. MedlinePlus provides information about conditions and disorders, medications, and health and wellness.	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	External	https://apps.nlm.nih.gov/medlineplus/services/demo.html	Mission Critical	
MedlinePlus Connect	MedlinePlus Connect - Batch **(LO Offering: Consumer Health)**	Batch jobs for MedlinePlus Connect. This includes data refreshing.	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Related	
MedlinePlus Connect	MedlinePlus Connect - CMMS **(LO Offering: Consumer Health)**	Data mapping system to support M+ Connect	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	Internal	https://wwwcf.nlm.nih.gov/internal/mpcadmin/login.cfm	Mission Related	
MedlinePlus	MedlinePlus Input System **(LO Offering: Consumer Health)**	Data management system that supports MedlinePlus	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	Internal	https://wwwcf.nlm.nih.gov/medplapp/ch_login.cfm	Mission Related	
MeSH Vocabulary	MeSH Browser **(LO Offering: Terminologies)**	MeSH is the National Library of Medicine's controlled vocabulary thesaurus. It consists of sets of terms naming descriptors in a hierarchical structure that permits searching at various levels of specificity.MeSH browser is the default search tool for finding keywords.	Jakub Flaska	jakub.flaska@nih.gov	MLB	External	https://www.nlm.nih.gov/mesh/MBrowser.html	Mission Operational	
MeSH Vocabulary	MeSH Editing **(LO Offering: Terminologies)**	MeSH Editor (MEdit) - is a main editing application in the Global MeSH Editing Environment to support the MeSH Section staff in their efforts to revise and update the MeSH vocabulary.	Tran Luu	luut@mail.nlm.nih.gov	MLB	External	https://medit.nlm.nih.gov	Mission Related	
MeSH Vocabulary	MeSH Medline GCMS **(LO Offering: MEDLINE/PubMed)**	wwwcf.nlm.nih.gov/internal/gcms - GLOBAL CITATION MAINTENANCE SYSTEMGlobal Citation Maintenance System is the process that allows users to submit requests to make changes in MeSH indexing of citations in PubMed. It is a process to apply any changes of MeSH records to the DCMS database.	Tran Luu	luut@mail.nlm.nih.gov	MLB	Internal	https://wwwcf2.nlm.nih.gov/internal/gcms/login.cfm	Mission Operational	

MeSH Vocabulary	MeSH Medline Year End Process **(LO Offering: MEDLINE/PubMed)**	Production environment for Year End Processing. This entry refers to the component of YEP under the purview of the Medical Languages Branch (MLB).Yearly update/review of MeSH records. For example 1000 MeSH record updates may affect a million citations.	Tran Luu	luut@mail.nlm.nih.gov	MLB	External	N/A	Mission Operational	
MeSH Vocabulary	MeSH On Demand **(LO Offering:Terminologies)**	MeSH on Demand identifies MeSH Terms in your text using the NLM Medical Text Indexer (MTI) program. After processing, MeSH on Demand returns a list of MeSH Terms relevant to your text.	Jakub Flaska	jakub.flaska@nih.gov	MLB	External	http://id.nlm.nih.gov/mesh	Mission Operational	
MeSH RDF	MeSH RDF **(LO Offering: Terminologies)**	Medical Subject Headings (MeSH) RDF is a linked data representation of the MeSH biomedical vocabulary produced by the National Library of Medicine. MeSH RDF includes a downloadable file in RDF N-Triples format, a SPARQL query editor, a SPARQL endpoint (API), and a RESTful interface for retrieving MeSH data.	Dan Davis	daniel.davis@nih.gov	ELTSS	External	http://id.nlm.nih.gov/mesh	Mission Related	
MeSH Vocabulary	MeSH Translation MTMS **(LO Offering: Terminologies) this should be sunset!**	Production environment for Medical Translation Maintenance SystemTool that allows users to translate MeSH terminology into other languages.	Tran Luu	luut@mail.nlm.nih.gov	MLB	External	https://wwwcf.nlm.nih.gov/mtms/Main/login.cfm	Mission Operational	
N/A	Native Voices Video (LO Offering: Historical Web Curated Content)	Native Voices: Native Peoples Concepts of Health and Illness explores the interconnectedness of wellness, illness, and cultural life for Native Americans, Alaska Natives, and Native Hawaiians. Visitors will discover how Native concepts of health and illness are closely tied to the concepts of community, spirit, and the land.The website includes all of the exhibitions video interviews, timeline content, and images of some objects and artifacts formerly on display	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://apps.nlm.nih.gov/nativevoices/interviews/index.cfm	Mission Critical	
N/A (OCCS Offering)	NIH Scientific Collections	In pursuant to the NIH Policy for the Management of and Access to Scientific Collections, this site provides a user interface for NIH staff to catalog scientific collections maintained and curated by NIH. Records contributed to this registry will be added to the registry of US Federal Scientific Collections (USFSC). This site is supported by the National Library of Medicine.	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	Internal	https://nihsci.nlm.nih.gov	Mission Related	
N/A	NLM Digital QA+B76	The Digital QA application implements workflows and processes to manage the digitization of textual materials that flow through the NLM digitization/scanning lab.The third party Docworks scanning platform is used to scan bound books and manuscripts which provide the upstream source of digital material to Digital QA.Quality reviewers inspect and assure scan results. Once reviewed and the QA process completed, successful scans are are sent downstream to the DigitalRepository Team.	Satyam Pakker	satyam.pakker@nih.gov	EHISS	Internal	https://wwwcf.nlm.nih.gov/internal/digitizationqa/login.cfm	Mission Critical	
NLM Main Web	NLM Main Web **(LO Offering: NLM Main Web)**	This is the website for National Library of Medicine.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	www.nlm.nih.gov	Mission Critical	
N/A (NLM Internal App)	NLM Shuttle Display	Public facing hardware/software solution which scrapes data from http://wttsshuttle.com/arrivals and wttsshuttle/livemap, then creates a user-friendly map showing the Campus and Campus Limited bus routes in realtime with a countdown until the next bus arrival. The display is located in the lobby of building 38A.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	Internal	https://geoapps.nlm.nih.gov/shuttle	Mission Operational	
N/A (NLM Internal App)	NOSC Display Maps	This is an internal system of public displays for analyzing and showcasing NLM web traffic, as well as activities and accomplishments from partner divisions. It may also include any ad-hoc or temporal map displays.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	Internal	https://geoapps.nlm.nih.gov/nosc	Mission Related	
Outreach & Training	OERS - Outreach Evaluation and Reporting System **(LO Offering: Outreach & Training)**	The Outreach Evaluation and Reporting System will facilitate the specification and recordation of Outreach activity performed by all of NLM and NNLM. There are several planned modules of functionality, separated by role but managed within a single web application to facilitate a central data store for persistence. This will enable a powerful foundation for elevated reporting requirements to address the single largest deficiency in current Outreach Portal.	Satyam Pakker	satyam.pakker@nih.gov	EHISS	External	https://oers.nlm.nih.gov	Mission Operational	
N/A (NLM Internal App)	One NLM Dashboard	The service will provide NLM staff and management with a single repository for digital analytics performance data from each of NLMs program domains (e.g., MedlinePlus, AccessGUDID, NLM Main, etc.).	Eric Kamal	kamale@mail.nlm.nih.gov	ETLSS	Internal	https://dashboard.nlm.nih.gov	Mission Related	
Outreach & Training	Outreach - Maps **(LO Offering: Outreach & Training)**	Outreach Display Maps	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	External	https://geoapps.nlm.nih.gov/services/outreach/	Mission Related	
N/A	Profiles of Science (LO Offering: Historical Web Curated Content)	This service allows for the creation and display of exhibits for Profiles in Science, a long-standing system at NLM for decades. The legacy system was developed by LHC, and this new service is developed and hosted by OCCS. Display is public read-only. Creation is for LO only, with authN.	Doron Shalvi	shalvid@nih.gov	EHISS	External		Mission Operational	
N/A	Patron Registration (LO Offering; Library Services)	The set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	Internal	http://patronreg.nlm.nih.gov	Mission Operational	
N/A	PCM Binding Management System	The Binding Maintenance System (BMS) is used to do binding preparation or journals/monographs including downloading bib data from Voyager, entering binding requirements and notes, generating binding slips and shipping manifests via Cognos, and tracking binding shipments and status.	Tony Luu	luul@mail.nlm.nih.gov	EHISS	Internal	https://binding.nlm.nih.gov	Mission Operational	
HSRIC, PHPartners.org	PHP/HSR **(LO Offering: HSR Information Service)**	PHP/HSR Service	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/internal/phpartners_input/login.cfm	Mission Critical	
N/A	Relais **(LO Offering: Library Services)**	Automates the processing and handling of over DOCLINE requests for distribution to the Collection Access Section and the History of Medicine Division. Additionally, the system is used to automate the processing, sorting, and accounting for requests submitted by NLM's patrons using the Locatorplus System to submit requests using the Overnight Photocopy Service.	Joseph Schechter	joseph.schechter@nih.gov	EHISS	Internal	N/A	Mission Related	
RxNorm	RxNorm Editing System **(LO Offering: Terminologies)**	RxNorm provides normalized names for clinical drugs and links its names to many of the drug vocabularies commonly used in pharmacy management and drug interaction software, including those of First Databank, Micromedex, MediSpan, Gold Standard Alchemy, and Multum. By providing links between these vocabularies, RxNorm can mediate messages between systems not using the same software and vocabulary.	Cage Cheung	cage.cheung@nih.gov	MLB	Internal	https://www.nlm.nih.gov/research/umls/rxnorm/	Mission Operational	
N/A	ScanTrac (LO Offering: NLM Collection (Physical, Electronic, & Metadata)	ScanTrac, an online system to track journal titles as they are processed for PMC was launched in FY2006. The system, tracks the processing of newly accepted titles from signing of agreements to delivery of XML and donated source material. It is also used to track the quality assurance process and to pay invoices.	Joseph Schechter	joseph.schechter@nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/scantrac/index.cfm	Mission Critical	

N/A	ScanTrac Batch (LO Offering: NLM Collection (Physical, Electronic, & Metadata)	Batch Process for ScanTrac, an online system to track journal titles as they are processed for PMC was launched in FY2006. The system, tracks the processing of newly accepted titles from signing of agreements to delivery of XML and donated source material. It is also used to track the quality assurance process and to pay invoices.	Joseph Schechter	joseph.schechter@nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A	Serials (LO Offering: NLM Collection (Physical, Electronic, & Metadata)	Application 1. The Serial Service - The Viewer and Database. The Viewer is a user interface that allows serial information to be retrieved for a selected journal. The user can query using a Title Abbreviation, NLM Unique ID, or ISSN. The Database holds the Serial DataApplication 2. Manage Serials Form - The Manage Serials Form is an interface that allows an authorized user to add or modify certain serials data for a selected journal.Application 3. TA/ISSN Module - The TA Module is used by MMS staff to review items which are changed in the ILS and come to the SEF affecting indexed serials. MMS reviews what is in the queue and then works with TSD when problems or concerns are found. The system works for MMS and TSD as an excellent checks and balances program to catch errors before then go out on indexed citations.Application 4. Journals - The Journals site is a list of Broad Subject Terms assigned to MEDLINE journals to describe the journal's overall scope. Links are attached to the terms that run a search in the NLM Catalog.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	Internal	https://serials.nlm.nih.gov	Mission Critical	
SFX	SFX **(LO Offering: Library Services)**	SFX keeps track of NLM electrocic holdings (years and columes available to NLM of online resources); it also works as a link resolver that allows to get to full-text articles from citations in PubMed (if there is a subscription)SFX and ERMS are completely separate: ERMS stores licensing information (publishers, licensing terms, etc.), and SFX is where content is made active for users based on the licensing information.ERMS only records information about electronic formats but licensed titles that are stored in ERMS may also be available in print, ERMS doesn't track information for print. Information is tracked in Voyager/holdings. Print doesn't require licenses - NLM purchases a copy and keeps it in the stacks.Voyager has data about purchaser (payments) and issues/volumes received electronically and requires a license in order to access content, that information is stored in the ERMS.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://sfx.nlm.nih.gov	Mission Related	
N/A	Substance Registration System (LO Offering: Drug Information)	The National Library of Medicine (NLM) and the Food and Drug Administration (FDA) have established a collaborative effort to provide an interface for Public Access to the FDA's Substance Registration System. The overall purpose of the joint FDA/USP Substance Registration System (SRS) is to support health information technology initiatives by generating unique ingredient identifiers (UNIIs) for substances in drugs, biologics, foods, and devices. The UNII is a non- proprietary, free, unique, unambiguous, non semantic, alphanumeric identifier based on a substance's molecular structure and/or descriptive information.	Chandra Kola	kolac@nih.gov	EHISS	External	https://fdasis.nlm.nih.gov/srs/	Mission Critical	
N/A (NLM Internal App)	Sunsetting	This application will be used to get approval before retiring a service offered by NLM.	Dasith Silva	dasith.silva@nih.gov	ETLSS	Internal	https://sunsetting.nlm.nih.gov	Mission Critical	
N/A	Terminology Service **(LO Offering: Terminologies)**	TS provides access to the data related to code systems (vocabularies). It hosts multiple versions of various code systems that are needed by UMLS and VSAC that in turn provide value-added service of the data. The TS provides the repository for all code systems hosted by NLM and serve the code system related data to its downstream applications.	Pishing Chiang	pishing.chiang@nih.gov	MLB	Internal	N/A	Mission Operational	
UMLS	UMLS Editing System **(LO Offering: Terminologies)**	Suite of applications that allow editors to view and edit the content	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	Internal	https://unimed2.nlm.nih.gov/jaws/jekyll.html	Mission Related	
UMLS	UMLS MEME and MidService **(LO Offering: Terminologies)**	MidService is a socket service that maps a list of logical names to values. More specifically, a mid service refers to any of the generic mid service keys that end in -jdbc or -tns that can be used to connect to a MID database.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	Internal	https://unimed2.nlm.nih.gov	Mission Related	
UMLS	UMLS Production Framework **(LO Offering: Terminologies)**	The process for creating a UMLS release. It is active between April-June and October-December every year when the UMLS release is processed. It provides a browser interface to detail the status of the production of various UMLS artifacts.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	Internal	https://unimed2.nlm.nih.gov/webapps-mrd/mrd/controller?state=ReleaseManager	Mission Related	
UMLS	UMLS Terminology Services (UTS) **(LO Offering: Terminologies)**	UMLS Terminology Services is an example of a browser that is built to show how data can be provided for UMLS Data presentation layers.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	External	https://uts.nlm.nih.gov	Mission Critical	
N/A (NLM Internal App)	URL Mapping	URL Mapping	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	Internal	http://resource.nlm.nih.gov	Mission Critical	
UMLS	UTS Annual Report **(LO Offering: Terminologies)**	This service is active and used annually only between January and February to collect user feedback on the UTS web application. It is a COTS LimeSurvey application run on a separate server integrated with the UTS application.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	External	https://utsreport.nlm.nih.gov	Mission Critical	
UMLS	UTS APIs **(LO Offering: Terminologies)**	SOAP/REST Webservice interfaces for accessing the UTS application.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	External	https://uts.nlm.nih.gov	Mission Critical	
UMLS	UTS CAS Login **(LO Offering: Terminologies)**	Authentication using CAS for CDE, UTS and VSAC	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	External	https://uts.nlm.nih.gov	Mission Critical	
N/A	Voyager **(LO offering: Library Services)**	This is the Voyager Prod User Service of the Voyager servicesThe Voyager set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	Internal	N/A	Mission Critical	
N/A	Voyager Counters **(LO offering: Library Services)**	Generates Voyager numbers and allows these to be cut and pasted in Voyager records. There are several types of Voyager counters and they are used by TSD and HMD.Voyager number ranges are received yearly from the Library of Congress.	Andy Harbert	harbertc@mail.nlm.nih.gov	ELTSS	Internal	N/A	Mission Related	
N/A	Voyager PROD Batch **(LO offering: Library Services)**	This is the Voyager Prod batch Service of the Voyager services.The Voyager set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	Internal	N/A	Mission Related	
N/A	Voyager Prod z3951 **(LO offering: Library Services)**	This is the Voyager Prod z3951 Service of the Voyager services.The Voyager set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	Internal	N/A	Mission Related	

VSAC	VSAC **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services.	Pishing Chiang	pishing.chiang@nih.gov	MLB	External	https://vsac.nlm.nih.gov	Mission Critical	
VSAC	VSAC Admin Tool **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services. This service is the internal portal to manager user/group/role mappings.	Pishing Chiang	pishing.chiang@nih.gov	MLB	Internal	https://vsacadmin.nlm.nih.gov/auth-ui	Mission Related	
VSAC	VSAC API **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services. This service is specific for the RESTful API access for the computer programs.	Pishing Chiang	pishing.chiang@nih.gov	MLB	External	https://vsac.nlm.nih.gov	Mission Critical	
VSAC	VSAC Collaboration Tool **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services. This service provides a flexible common platform to discuss and exchange ideas related to value sets.	Pishing Chiang	pishing.chiang@nih.gov	MLB	External	https://vsaccollab.nlm.nih.gov	Mission Operational	
VSAC	VSAC FHIR **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services. This service is to retrieve VSAC data through RESTful API based on FHIR specification.	Pishing Chiang	pishing.chiang@nih.gov	MLB	External	https://nlm-cts.nlm.nih.gov/fhir/	Mission Related	

From: McKay, Kathryn (NIH/NLM) [E]
Sent: 2 Aug 2019 20:02:46 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Tuncer, Diane (NIH/NIDDK) [E]
Subject: More statistics on NLM in Focus

Dear Jody,

I hope you find the following to be helpful:

Statistics for July 2019

Views	4,977
Visitors	2,449
Posts	3

Statistics for June 2019

Views	5,156
Visitors	2,433
Posts	4

Statistics for May 2019

Views	5,033
Visitors	2,602
Posts	4

Top five posts of all time

NLM Welcomes New Director Dr. Brennan	5,304
Preparing Next Generation of Leaders	3,369
TOXNET: The Toxicology Databases	3,369
Who am I? 12 Notable Women in Medical History	1,966
Rapid Response: West Virginia 2014 Elk River Oil Spill	1,958

Top five posts of the last 12 months

Preparing Next Generation of Leaders	3,369
Catching up with Catalogers	1,544
What do you get when the world's largest medical library and the world's larges encyclopedia meet up?	1,475
Hamilton and Yellow Fever: The Library Where It Happens	1,217
Who Am I? 12 Notable Women in Medical History	1,194

Kind regards,

Kathryn (Kathy) McKay, M.A.
Writer/Editor
Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308
Office phone: 301-480-0648

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 2 Aug 2019 16:05:58 -0400
To: Nurik, Jody (NIH/NLM) [E]
Subject: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	Gene-TOX
Description	GENE-TOX provides genetic toxicology (mutagenicity) test data from expert peer review of open scientific literature for more than 3,000 chemicals from the United States Environmental Protection Agency (EPA). GENE-TOX was established to select assay systems for evaluation, review data in the scientific literature, and recommend proper testing protocols and evaluation procedures for these systems. This database was originally supported on TOXNET by EPA and covers the years 1991 - 1998. It is no longer updated or supported by EPA.
Document(s) Supporting Justification	Gene tox sunset submission.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO

Key Staff Involved	Colette Hochstein Sanjay Jain Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	The Gene-TOX database on TOXNET will be retired on December 1, 2019, or when the current TOXNET Web site is taken down.
Date the Message will be Sent	06/19/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP Other: FTP-archived resources site
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Environmental Protection Database (EPA)
Communicated Message	The Gene-TOX database on TOXNET will be retired on December 1, 2019, or when the current TOXNET Web site is taken down. Information from it may be available from EPA on their NSCEP publications database. or from the National Technical Information Service (NTIS).
Date the Message will be Sent	08/02/2019
Communication Channel(s)	Emails Technical Bulletin Social Media
Communication Frequency	Weekly Monthly
Retained Content	FTP Other: FTP archived NLM resources site
Page Redirected	No
Additional Information	---

Request Information	
Request ID	301
Task ID	521
Request Status	Associate Director Approved
Created By	Jeanne Goshorn
Date Created	06/19/2019 05:01 p.m.

APPROVE **RETURN** * **REJECT** *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: McKay, Kathryn (NIH/NLM) [E]
Sent: 2 Aug 2019 20:20:39 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: Re: More statistics on NLM in Focus

You're most welcome. ☺

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Friday, August 2, 2019 at 4:20 PM
To: "McKay, Kathryn (NIH/NLM) [E]" <kathryn.mckay@nih.gov>
Subject: RE: More statistics on NLM in Focus

Very helpful, Kathy – thanks!

From: McKay, Kathryn (NIH/NLM) [E] <kathryn.mckay@nih.gov>
Sent: Friday, August 2, 2019 4:03 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: More statistics on NLM in Focus

Dear Jody,

I hope you find the following to be helpful:

Statistics for July 2019

Views	4,977
Visitors	2,449
Posts	3

Statistics for June 2019

Views	5,156
Visitors	2,433
Posts	4

Statistics for May 2019

Views	5,033
Visitors	2,602
Posts	4

Top five posts of all time

NLM Welcomes New Director Dr. Brennan	5,304
Preparing Next Generation of Leaders	3,369
TOXNET: The Toxicology Databases	3,369

Who am I? 12 Notable Women in Medical History	1,966
Rapid Response: West Virginia 2014 Elk River Oil Spill	1,958

Top five posts of the last 12 months

Preparing Next Generation of Leaders	3,369
Catching up with Catalogers	1,544
What do you get when the world's largest medical library and the world's larges encyclopedia meet up?	1,475
Hamilton and Yellow Fever: The Library Where It Happens	1,217
Who Am I? 12 Notable Women in Medical History	1,194

Kind regards,

Kathryn (Kathy) McKay, M.A.
Writer/Editor
Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308
Office phone: 301-480-0648

From: Gillikin, David (NIH/NLM) [E]
Sent: 6 Aug 2019 19:54:07 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: RE: Inquiry - Status of NLM Toxicology Program

If it's useful, please do.

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 3:52 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: RE: Inquiry - Status of NLM Toxicology Program

I love it.
And, I think I'll use it somewhere, sometime, with your okay.

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 12:56 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: RE: Inquiry - Status of NLM Toxicology Program

In thinking about this further, I think the overall response could be:

NLM's Division of Specialized Information Services (SIS) and its products were merged into 3 different areas of the Division of Library Operations in June 2019. We are currently reviewing and evaluating the products and services formerly offered by SIS to identify which products support the NLM Strategic Plan and are unique offerings from NLM. In addition, we are seeing how best to integrate some products into more currently support technology; for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. These changes will be announced at the appropriate times. TEHIP will need to be re-imagined within NLM over time.

Of course, OCPL can modify as they see fit.
Any concerns?
David

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 12:29 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: RE: Inquiry - Status of NLM Toxicology Program

It think your bullet responses are fine, including "TEHIP will need to be re-imagined within NLM over time."

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 10:13 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: FW: Inquiry - Status of NLM Toxicology Program
Importance: High

Joyce Dianne

Please see this request below – see the red text that Nicole has indicated.
Bert and Jeanne are quite hesitant to provide responses, and I agree with them. Though I understand why Wexler is asking for information (publication of his book), we don't a lot to respond to.

For these Reponses, here's what I can think of:

- Current organization of the Division and status/location of its digital information resources (TEHIP) –
    - Possible response: SIS staff and products were merged into 3 different areas of the Division of Library Operations: OET, PSD and BSD.
- Plans and a timetable for the organization of TEHIP –
    - I have no idea how this should be addressed, other than TEHIP will need to be re-imagined within NLM over time.

- Proper terminology to use (e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled.) *for correct phrasing in the book*

    - Suggested text: NLM's Division of Specialized Information Services and its products were merged into 3 different areas of the Division of Library Operations in June 2019. At that time, the plans for the ToxNet resources were to move them to PubMed, BookShelf and PubChem.

- Answer: Will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change?
    - Not clear about what Nicole is asking here.

We probably need to talk about this.
David

From: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 9:50 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: FW: Inquiry - Status of NLM Toxicology Program

I think I briefed you about Phil Wexler. You should have been copied on this, and Bert and I are not the ones to provide this language.

Jeanne

From: Pertti Hakkinen <hakkinenp@mail.nlm.nih.gov>
Date: Tuesday, August 6, 2019 at 9:45 AM
To: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, Pertti Hakkinen <hakkinenp@mail.nlm.nih.gov>
Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>
Subject: Re: Inquiry - Status of NLM Toxicology Program

Why not set up a conference call with him about all of this?

Bert

Pertti (Bert) J. Hakkinen, Ph.D., F-SRA -
Bibliographic Services Division -
National Library of Medicine -
National Institutes of Health -
United States Department of Health and Human Services -
Building 38A – Room 4N401Q6
8600 Rockville Pike
Bethesda, MD 20894 - USA

Phone: 301-827-4222 -

pertti.hakkinen@nih.gov

From: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Date: Tuesday, August 6, 2019 at 9:37:39 AM
To: "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>
Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>
Subject: Inquiry - Status of NLM Toxicology Program

Hi Jeanne and Bert,

Phil Wexler contacted NLM (Jerry Sheehan and Jody Nurik) in January inquiring about the most updated information on the TEHIP (Toxicology and Environmental Health Information Program). As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, he would like to ensure that his book (see thread below) does not misrepresent NLM's current role in the informatics framework of the subject. While SIS is now closed and staff are settled in their offices, we would like to provide Phil with accurate information based on his request.

Can you please provide the following information by **COB today**:

- Current organization of the Division and status/location of its digital information resources (TEHIP)
- Plans and a timetable for the organization of TEHIP
- Proper terminology to use (e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled.) *for correct phrasing in the book*
- Answer: Will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? *Readers of the book and others will need to find the databases and know how to do so.*

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Philip Wexler
Sent: Monday, July 29, 2019 8:56 AM
To: Nurik, Jody (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program
Importance: High

Thanks very much, Jody. As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, I want to be certain that my book does not misrepresent NLM's current role in the informatics framework of the subject. I think if you review the email thread below, you will find it describing what kind of information I am looking for. Feel free, though, to let me know if you have any questions. I look forward to hearing from you soon. - Phil

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, July 29, 2019 8:07 AM
To: Philip Wexler
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program

Good morning, Mr. Wexler:

We will be back in touch this week on this and also to gather additional information as we may need to get publication clearance from HHS and NIH.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Saturday, July 27, 2019 6:54 PM
To: Philip Wexler <philipwexler@msn.com>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: NLM Toxicology Program

Phil
By way of this message, I'm putting you in contact with Jody Nurik, NLM's new communications director. She has the best overview of which resources are going where, and which are set to be retired. There are still a number of resources that are being more fully assessed, but decisions have been made about many.

Best
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Saturday, July 27, 2019 12:24 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program
Importance: High

Jerry – Would appreciate hearing any further details about SIS and its resources so as not to mislead the readers of my forthcoming book and send them on a wild goose chase after NLM tools and URLs which no longer exist or have changed. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Monday, July 15, 2019 12:52 PM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – My understanding is that SIS' Democracy location has been vacated by now. Still hoping to hear something concrete about the current organization of the Division and status/location of its digital information resources. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Tuesday, May 7, 2019 11:45 AM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – Thanks for this. Yes, please keep me posted on what's going on. I haven't gotten any copyedited chapters back from the publisher yet so hopefully there will still be time to make changes if I hear more news about SIS. And do let me know if you hear anything on Russian/Scandinavian specialists. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Friday, May 3, 2019 1:39:56 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We're still working out the transition timeline for SIS and its various toxicology resources. Staff will transition out of SIS and into other parts of NLM by the end of June. We're close to having the resource timeline figured out, but not yet ready to announce it. I know this creates some complications for you, but it's a complicated transition as you can imagine.

I'm looking into your second Q below and will get back to you w/ any additional information.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Monday, April 29, 2019 3:08 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Jerry –

Do you have any further information concerning the dissolution or transition of SIS and its toxicology information activities?

Also, would you have names and contact information for any NLM librarians who specialize in Russian and/or Scandinavian materials. I would like to ask their advice about certain foreign language materials in my book.

Thanks.

- Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, January 31, 2019 6:04 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We'll keep you posted as we make progress w/ the transition. We are reviewing individual resources and should have some updated information before your deadlines.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, January 31, 2019 10:54 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Thanks, Jerry. The deadline for getting all the chapters in is April 1, although publication deadlines are usually made to be broken. Certainly I'd like to know as soon as possible because the further in we get in the production process, i.e. copyediting and proofing, the more of a headache it is to make any changes. On the post you directed me to, I found it rather curious that no mention whatsoever is made of SIS' toxicology activities. Also, although SIS has clearly disappeared from the organizational chart and despite a single vague occurrence of the word "toxicology" in a bulleted item, I have no inkling of where the toxicology databases will reside. So, I'd truly appreciate it if I could be apprised of the status of the toxicology information projects formerly housed in SIS as soon as you know something so I can present accurate information in my book. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, January 30, 2019 7:38 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
Thanks for contacting me. We are still working through the details of the transition, which aims to better integrate SIS Tox (and other) resources into the larger NLM data infrastructure. What is the timeline for your book? We may have more answers for you in time for publication. Most of the significant changes will be announced on Patti's blog and via other NLM communications and social media channels. Here's Patti's post from 1/2/19, which gives a general overview of the current elements of NLM reorganization: https://nlmdirector.nlm.nih.gov/2019/01/02/new-year-new-directions-for-nlm/

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Wednesday, January 30, 2019 2:52 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: NLM Toxicology Program
Importance: High

Dear Jerry:

I retired from the SIS Division just about a year ago. I was surprised to learn from a couple of former colleagues that the Division and its TEHIP (Toxicology and Environmental Health Information Program) will be somehow dissolving. The people there still seem to be somewhat confused as to what will be happening. I wrote to Patti Brennan who in turn referred me to Florence Chang but neither of them were able to give me a satisfactory answer. I subsequently wrote to Kathy Craved who just informed me of her own pending retirement and suggested I contact you. I am inquiring less out of personal curiosity about SIS than because of various publications I write and edit. It is important that I get the information right.

For example, I am trying to wrap up, as editor-in-chief, the 5th edition of my *Information Resources in Toxicology* (Elsevier). As I'm sure you can imagine, given the content, NLM, SIS, and TEHIP are mentioned and described many times in a number of the more than 120 chapters. I want to be sure that the book contains the most current information about the status of NLM's tox activities. Could you, perhaps, give me some clear-cut insight into what's being planned, plus a timetable, if there is one? What, for example, is the proper terminology to use?, e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled. I'd like to know what's happening and how to correctly phrase it. And also, will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? Readers of the book and others will need to find the databases and know how to do so. The objective of the book is to offer a comprehensive look at toxicology information resources worldwide and make it as up-to-date as possible in a print (albeit digitally available as well) publication.

Much appreciated.

Sincerely,

Phil Wexler

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/OD) [E]
Sent: 6 Aug 2019 19:56:42 -0400
To: Crutchman, Alise (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Cc: Scott, Nicole (NIH/NLM) [E]
Subject: Re: Inquiry - Status of NLM Toxicology Program

Wondering also if we should provide a link to the SIS homepage where we plan to provide updates?

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Tuesday, August 6, 2019 at 7:02 PM
To: Alise Crutchman <alise.crutchman@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Cc: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Subject: FW: Inquiry - Status of NLM Toxicology Program

Alise and Grace,

I reviewed and have edits below, any comments? I would like Jerry to review so would need to get him something late morning.

_____

The National Institutes of Health's, National Library of Medicine's (NLM) ~~NLM's~~ Division of Specialized Information Services (SIS) ~~and its products~~ ~~were~~ was merged into ~~3~~ three different areas of the Division of Library Operations in June 2019. ~~We are currently~~ NLM is reviewing and evaluating the ~~products and~~ services and offerings formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. This includes TEHIP which will need to be re-imagined over time. In addition, ~~we are~~ NLM is seeing how best to integrate some ~~products~~ SIS offerings into more current and standard technology ~~used at NLM;~~ for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. These changes will be announced ~~at the appropriate times~~ as the work is completed. ~~TEHIP will need to be re-imagined within NLM over time.~~

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health

Office phone: 301-827-7615

From: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Date: Tuesday, August 6, 2019 at 3:24 PM
To: "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>
Cc: "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, Alise Crutchman <alise.crutchman@nih.gov>
Subject: Re: Inquiry - Status of NLM Toxicology Program

Thanks David!

Nicole

On Aug 6, 2019, at 2:34 PM, Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov> wrote:

> Nicole,
> I worked with Joyce Backus on this issue. Here's our overall response:
>
> NLM's Division of Specialized Information Services (SIS) and its products were merged into 3 different areas of the Division of Library Operations in June 2019. We are currently reviewing and evaluating the products and services formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. In addition, we are seeing how best to integrate some products into more current and standard technology used at NLM; for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. These changes will be announced at the appropriate times as the work is completed. TEHIP will need to be re-imagined within NLM over time.
>
> OCPL should of course review and edit this text as you see appropriate.
> Thanks
> David
>
> ---
> *David Gillikin*
> *Chief, Bibliographic Services Division*
> *U.S. National Library of Medicine*
> *8600 Rockville Pike*
> *Bldg 38A, Rm 4N419*
> *Bethesda, MD 20894-3831*
>
> **From:** "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
> **Date:** Tuesday, August 6, 2019 at 9:37:39 AM
> **To:** "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>

Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>
Subject: Inquiry - Status of NLM Toxicology Program

Hi Jeanne and Bert,

Phil Wexler contacted NLM (Jerry Sheehan and Jody Nurik) in January inquiring about the most updated information on the TEHIP (Toxicology and Environmental Health Information Program). As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, he would like to ensure that his book (see thread below) does not misrepresent NLM's current role in the informatics framework of the subject. While SIS is now closed and staff are settled in their offices, we would like to provide Phil with accurate information based on his request.

Can you please provide the following information by **COB today**:

- Current organization of the Division and status/location of its digital information resources (TEHIP)
- Plans and a timetable for the organization of TEHIP
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- Answer: Will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? *Readers of the book and others will need to find the databases and know how to do so.*

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Philip Wexler
Sent: Monday, July 29, 2019 8:56 AM
To: Nurik, Jody (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program
Importance: High

Thanks very much, Jody. As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, I want to be certain that my book does not misrepresent NLM's current role in the informatics framework of the subject. I think if you review the email thread below, you will find it describing what kind of information I am looking for. Feel free, though, to let me know if you have any questions. I look forward to hearing from you soon. - Phil

Sent from Mail for Windows 10

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Subject: RE: NLM Toxicology Program

Good morning, Mr. Wexler:

We will be back in touch this week on this and also to gather additional information as we may need to get publication clearance from HHS and NIH.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Saturday, July 27, 2019 6:54 PM
To: Philip Wexler <philipwexler@msn.com>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: NLM Toxicology Program

Phil
By way of this message, I'm putting you in contact with Jody Nurik, NLM's new communications director. She has the best overview of which resources are going where, and which are set to be retired. There are still a number of resources that are being more fully assessed, but decisions have been made about many.

Best
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Saturday, July 27, 2019 12:24 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program
Importance: High

Jerry – Would appreciate hearing any further details about SIS and its resources so as not to mislead the readers of my forthcoming book and send them on a wild goose chase after NLM tools and URLs which no longer exist or have changed. Thanks. - Phil

Sent from Mail for Windows 10

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To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – My understanding is that SIS' Democracy location has been vacated by now. Still hoping to hear something concrete about the current organization of the Division and status/location of its digital information resources. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Tuesday, May 7, 2019 11:45 AM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – Thanks for this. Yes, please keep me posted on what's going on. I haven't gotten any copyedited chapters back from the publisher yet so hopefully there will still be time to make changes if I hear more news about SIS. And do let me know if you hear anything on Russian/Scandinavian specialists. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Friday, May 3, 2019 1:39:56 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We're still working out the transition timeline for SIS and its various toxicology resources. Staff will transition out of SIS and into other parts of NLM by the end of June. We're close to having the resource timeline figured out, but not yet ready to announce it. I know this creates some complications for you, but it's a complicated transition as you can imagine.

I'm looking into your second Q below and will get back to you w/ any additional information.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Monday, April 29, 2019 3:08 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Jerry –

Do you have any further information concerning the dissolution or transition of SIS and its toxicology information activities?

Also, would you have names and contact information for any NLM librarians who specialize in Russian and/or Scandinavian materials. I would like to ask their advice about certain foreign language materials in my book.

Thanks.

- Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, January 31, 2019 6:04 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We'll keep you posted as we make progress w/ the transition. We are reviewing individual resources and should have some updated information before your deadlines.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, January 31, 2019 10:54 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Thanks, Jerry. The deadline for getting all the chapters in is April 1, although publication deadlines are usually made to be broken. Certainly I'd like to know as soon as possible because the further in we get in the production process, i.e. copyediting and proofing, the more of a headache it is to make any changes. On the post you directed me to, I found it rather curious that no mention whatsoever is made of SIS' toxicology activities. Also, although SIS has clearly disappeared from the organizational chart and despite a single vague occurrence of the word "toxicology" in a bulleted item, I have no inkling of where the toxicology databases will reside. So, I'd truly appreciate it if I could be apprised of the status of the toxicology information projects formerly housed in SIS as soon as you know something so I can present accurate information in my book. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, January 30, 2019 7:38 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,

Thanks for contacting me. We are still working through the details of the transition, which aims to better integrate SIS Tox (and other) resources into the larger NLM data infrastructure. What is the timeline for your book? We may have more answers for you in time for publication. Most of the significant changes will be announced on Patti's blog and via other NLM communications and social media channels. Here's Patti's post from 1/2/19, which gives a general overview of the current elements of NLM reorganization: https://nlmdirector.nlm.nih.gov/2019/01/02/new-year-new-directions-for-nlm/

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Wednesday, January 30, 2019 2:52 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: NLM Toxicology Program
Importance: High

Dear Jerry:

I retired from the SIS Division just about a year ago. I was surprised to learn from a couple of former colleagues that the Division and its TEHIP (Toxicology and Environmental Health Information Program) will be somehow dissolving. The people there still seem to be somewhat confused as to what will be happening. I wrote to Patti Brennan who in turn referred me to Florence Chang but neither of them were able to give me a satisfactory answer. I subsequently wrote to Kathy Craved who just informed me of her own pending retirement and suggested I contact you. I am inquiring less out of personal curiosity about SIS than because of various publications I write and edit. It is important that I get the information right.

For example, I am trying to wrap up, as editor-in-chief, the 5th edition of my *Information Resources in Toxicology* (Elsevier). As I'm sure you can imagine, given the content, NLM, SIS, and TEHIP are mentioned and described many times in a number of the more than 120 chapters. I want to be sure that the book contains the most current information about the status of NLM's tox activities. Could you, perhaps, give me some clear-cut insight into what's being planned, plus a timetable, if there is one? What, for example, is the proper terminology to use?, e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled. I'd like to know what's happening and how to correctly phrase it. And also, will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? Readers of the book and others will need to find the databases and know how to do so. The objective of the book is to offer a comprehensive look at toxicology information resources worldwide and make it as up-to-date as possible in a print (albeit digitally available as well) publication.

Much appreciated.

Sincerely,

Phil Wexler

Sent from Mail for Windows 10

From: Sandra Becker
Sent: 7 Aug 2019 08:38:18 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: Fwd: NLM key SIS Products slides final.pptx
Attachments: NLM key SIS Products slides final.pptx

Begin forwarded message:

From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Subject: NLM key SIS Products slides final.pptx
Date: August 7, 2019 at 7:27:36 AM EDT
To: "dunnk@mail.nlm.nih.gov" <dunnk@mail.nlm.nih.gov>, Bryanne Reynolds <Breynolds@fmpconsulting.com>, "sandy.becker@me.com" <sandy.becker@me.com>

Good morning Kathel,

Attached are the slides we plan to use for our discussion today.

Carolyn Kurowski
Managing Partner
FMP Consulting
2900 South Quincy Street, Suite 200, Arlington, VA 22206
T (703) 671-6600, ext. 104 | C Personal Info | F (703) 671-6924
ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

NLM SIS Products

NATIONAL LIBRARY OF MEDICINE (NLM)
STRATEGIC WORKFORCE MANAGEMENT AND HUMAN CAPITAL SUPPORT SERVICES PROJECT

Focus for Today

Purpose: Agree on a streamlined approach for reviewing SIS products Outcome (Picture): Agreement on what, how, and by when products will be reviewed. Process: Clarify the change and desired outcome, and agree on best way to manage the number of products to evaluate, and determine the next steps for product reviews. Part: Share your ideas on which are the top products to review and make agreements re: next steps.

Change Defined

Big Picture Question: Which SIS products will NLM continue to support? Ensure the integrity and sustainability of key products Create a common, technical platform for delivering products and services Our Task: Identify the top/key SIS products and be able to provide a compelling case to justify continuing to invest in and support these products.Communicate and lead efforts to integrate*, release to other organizations, or sunset remaining products.*Note: For products recommended for integration with other NLM products – it will be important to be able to defend budget if funding is required.The Issue: Currently 15 products awaiting a decision; a comprehensive evaluation of each product would require significant manpower and time, and the process is unlikely to result in significant reduction in products.We must begin by limiting the number of products for review. We cannot apply the full evaluation process to every product currently listed.

Options for Narrowing the Focus

1. Each team member independently identified top SIS products using current knowledge and original reasoning. Products identified by multiple members would be included for further consideration.
2. Team members review the list over the course of the next week and then hold a group discussion to generate a list of the top SIS programs. Consider original criteria.
3. Use questions and a target or cut-off to narrow list. For example, What products have more than XXX users? What products have budgets in excess of XXX? What products have long-term importance or potential? What products are currently built using the OCCS common technical platform?
4. Each POC provides an explanation of what outcomes could be expected if NLM no longer supported the product. What would users do? What would stakeholders do? Would it impact other NLM offerings? Decision makers review and select most critical products.
5. BSD and PSD Divisions recommend 5 SIS products by the end of the week; May consult with Product POCs or team members within their Division. Decision makers review the list and reduce to 5-7 products – review is based on user data, technical assessment and budget/contract amounts.

Original Product Evaluation Considerations

NLM should consolidate information into a few platforms for improved user experience, discoverability, and efficiency.Priority given to resources that are unique, high quality, and that are highly connected to NLM offerings, or clearly contribute to furthering the strategic plan.NLM is committed to support key offerings in toxicology and environmental health.Sunset offerings if a sufficiently-equivalent offering is available from another organization.Sunset offerings that don't have a clear sustainability or succession plan.Sunset offerings that have low or declining use.Consider cost to sustain and upgrade.NLM shouldn't be a web provider for another agency/entity just because they pay.

Next Actions

Who	Will Do What	How	By When

List of Offerings for Evaluation

Offering Name	Offering Short Description
Chemical Hazards Emergency Medical Management (CHEMM)	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass-casualty chemical incident.
ChemIDplus	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM and other databases and resources, including links to federal, state and international agencies.
Data Discovery	The NLM open data discovery site, presented via the Socrata platform, provides easy interface to view, filter, download, visualize, and explore datasets.
Dietary Supplement Ingredient Database	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products sold in the United States. DSID is a collaboration with NIH's Office of Dietary Supplements and USDA.
Dietary Supplement Label Database	The Dietary Supplement Label Database (DSLD) includes full label derived information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. DSLD is a collaboration with NIH's Office of Dietary Supplements.
Disaster Information Management Research Center (DIMRC) website	The Disaster Information Management Research Center (DIMRC) website is a source for health information resources and technology for disaster and public health emergency preparedness, response, and recovery. The focus is to connect people to quality disaster and public health emergency information and foster a culture of community resiliency.

Offering Name	Offering Short Description
Disaster Lit: Database for Disaster Medicine and Public Health	Disaster Lit, the Database for Disaster Medicine and Public Health, contains links to disaster medicine and public health emergency resources available on the Internet at no cost. Resources include guidelines, research reports, training classes, fact sheets, website, databases, data sets, and similar materials.
Household Products Database	The Household Products Database links consumer brands to health effects from Safety Data Sheets provided by manufacturers and allows scientists and consumers to research potential health effects of chemicals in more than 18,000 common household products. based on chemical ingredients. A TOXNET database.
LiverTox	LiverTox provides up-to-date, accurate, and easily accessed information on the diagnosis, cause, frequency, patterns, and management of liver injury attributable to prescription and nonprescription medications, herbals and dietary supplements. A collaboration with National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK).
NIH Disaster Research Response Program (DR2)	The NIH NIH Disaster Research Response Program (DR2) program is a collaboration between National Institute of Environmental Health Sciences (NIEHS) and NLM with the potential for additional NIH Institutes and Centers to join. DR2 is the national framework for research on the medical and public health aspects of disasters and public health emergencies.
Pillbox	Pillbox enables rapid identification of unknown solid-dosage medications (tablets/capsules) based on physical characteristics and high-resolution images.

List of Offering for Evaluation (cont.)

Offering Name	Offering Short Description
Radiation Emergency Medical Management (REMM)	Radiation Emergency Medical Management (REMM) is a resource to assist healtcare providers diagnosis and treat a variety of radiation injuries.
Tox Town	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals.
Tox Tutor	tox Tutor provides college-level tutorials on the basic principles of toxicology, toxicokinetics, cellular toxicology, and related topics, e.g., exposure science and risk assessment. It is a self-paced tutorial covering key principles of toxicology for users of the NLM chemical and toxicology databases.
Wireless Information System for Emergency Responders (WISER)	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, managers, and healthcare providers in hazardous materials incidents.

From: Crutchman, Alise (NIH/NLM) [E]
Sent: 7 Aug 2019 13:40:36 +0000
To: Nurik, Jody (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Cc: Scott, Nicole (NIH/NLM) [E]
Subject: RE: Inquiry - Status of NLM Toxicology Program

Reworked just a tad… not wild about David's wording but I think we've cleaned it up a bit.

In June 2019, the National Institutes of Health's, National Library of Medicine's (NLM) Division of Specialized Information Services (SIS) was merged into three different areas of the Division of Library Operations.
NLM is currently reviewing and evaluating services and offerings formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. This includes Toxicology and Environmental Health Information Program (TEHIP), which will be re-imagined over time. NLM is evaluating how to best integrate SIS offerings into more current and standard technology, for example, some of the resources from ToxNet will be included in PubMed, BookShelf and PubChem. These changes will be announced as the work is completed.

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, August 6, 2019 7:03 PM
To: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: FW: Inquiry - Status of NLM Toxicology Program

Alise and Grace,

I reviewed and have edits below, any comments? I would like Jerry to review so would need to get him something late morning.

_____

The National Institutes of Health's, National Library of Medicine's (NLM) ~~NLM's~~ Division of Specialized Information Services (SIS) ~~and its products~~ ~~were~~ was merged into ~~3~~ three different areas of the Division of Library Operations in June 2019. ~~We are currently~~ NLM is reviewing and evaluating the ~~products and~~ services and offerings formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. This includes TEHIP which will need to be re-imagined over time. In addition, ~~we are~~ NLM is seeing how best to integrate some ~~products~~ SIS offerings into more current and standard technology ~~used at NLM;~~ for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. These changes will be announced ~~at the appropriate times~~ as the work is completed. ~~TEHIP will need to be re-imagined within NLM over time.~~

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health

Office phone: 301-827-7615

From: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Date: Tuesday, August 6, 2019 at 3:24 PM
To: "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>
Cc: "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, Alise Crutchman <alise.crutchman@nih.gov>
Subject: Re: Inquiry - Status of NLM Toxicology Program

Thanks David!

Nicole

On Aug 6, 2019, at 2:34 PM, Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov> wrote:

> Nicole,
> I worked with Joyce Backus on this issue. Here's our overall response:
>
> NLM's Division of Specialized Information Services (SIS) and its products were merged into 3 different areas of the Division of Library Operations in June 2019. We are currently reviewing and evaluating the products and services formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. In addition, we are seeing how best to integrate some products into more current and standard technology used at NLM; for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. These changes will be announced at the appropriate times as the work is completed. TEHIP will need to be re-imagined within NLM over time.
>
> OCPL should of course review and edit this text as you see appropriate.
> Thanks
> David
>
> ---
> *David Gillikin*
> *Chief, Bibliographic Services Division*
> *U.S. National Library of Medicine*
> *8600 Rockville Pike*
> *Bldg 38A, Rm 4N419*
> *Bethesda, MD 20894-3831*
>
> **From:** "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
> **Date:** Tuesday, August 6, 2019 at 9:37:39 AM
> **To:** "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>

Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>
Subject: Inquiry - Status of NLM Toxicology Program

Hi Jeanne and Bert,

Phil Wexler contacted NLM (Jerry Sheehan and Jody Nurik) in January inquiring about the most updated information on the TEHIP (Toxicology and Environmental Health Information Program). As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, he would like to ensure that his book (see thread below) does not misrepresent NLM's current role in the informatics framework of the subject. While SIS is now closed and staff are settled in their offices, we would like to provide Phil with accurate information based on his request.

Can you please provide the following information by **COB today**:

- Current organization of the Division and status/location of its digital information resources (TEHIP)
- Plans and a timetable for the organization of TEHIP
- Proper terminology to use (e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled.) *for correct phrasing in the book*
- Answer: Will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? *Readers of the book and others will need to find the databases and know how to do so.*

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Philip Wexler
Sent: Monday, July 29, 2019 8:56 AM
To: Nurik, Jody (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program
Importance: High

Thanks very much, Jody. As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, I want to be certain that my book does not misrepresent NLM's current role in the informatics framework of the subject. I think if you review the email thread below, you will find it describing what kind of information I am looking for. Feel free, though, to let me know if you have any questions. I look forward to hearing from you soon. - Phil

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, July 29, 2019 8:07 AM
To: Philip Wexler
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program

Good morning, Mr. Wexler:

We will be back in touch this week on this and also to gather additional information as we may need to get publication clearance from HHS and NIH.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Saturday, July 27, 2019 6:54 PM
To: Philip Wexler <philipwexler@msn.com>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: NLM Toxicology Program

Phil
By way of this message, I'm putting you in contact with Jody Nurik, NLM's new communications director. She has the best overview of which resources are going where, and which are set to be retired. There are still a number of resources that are being more fully assessed, but decisions have been made about many.

Best
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Saturday, July 27, 2019 12:24 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program
Importance: High

Jerry – Would appreciate hearing any further details about SIS and its resources so as not to mislead the readers of my forthcoming book and send them on a wild goose chase after NLM tools and URLs which no longer exist or have changed. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Monday, July 15, 2019 12:52 PM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – My understanding is that SIS' Democracy location has been vacated by now. Still hoping to hear something concrete about the current organization of the Division and status/location of its digital information resources. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Tuesday, May 7, 2019 11:45 AM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – Thanks for this. Yes, please keep me posted on what's going on. I haven't gotten any copyedited chapters back from the publisher yet so hopefully there will still be time to make changes if I hear more news about SIS. And do let me know if you hear anything on Russian/Scandinavian specialists. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Friday, May 3, 2019 1:39:56 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We're still working out the transition timeline for SIS and its various toxicology resources. Staff will transition out of SIS and into other parts of NLM by the end of June. We're close to having the resource timeline figured out, but not yet ready to announce it. I know this creates some complications for you, but it's a complicated transition as you can imagine.

I'm looking into your second Q below and will get back to you w/ any additional information.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Monday, April 29, 2019 3:08 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Jerry –

Do you have any further information concerning the dissolution or transition of SIS and its toxicology information activities?

Also, would you have names and contact information for any NLM librarians who specialize in Russian and/or Scandinavian materials. I would like to ask their advice about certain foreign language materials in my book.

Thanks.

- Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, January 31, 2019 6:04 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We'll keep you posted as we make progress w/ the transition. We are reviewing individual resources and should have some updated information before your deadlines.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, January 31, 2019 10:54 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Thanks, Jerry. The deadline for getting all the chapters in is April 1, although publication deadlines are usually made to be broken. Certainly I'd like to know as soon as possible because the further in we get in the production process, i.e. copyediting and proofing, the more of a headache it is to make any changes. On the post you directed me to, I found it rather curious that no mention whatsoever is made of SIS' toxicology activities. Also, although SIS has clearly disappeared from the organizational chart and despite a single vague occurrence of the word "toxicology" in a bulleted item, I have no inkling of where the toxicology databases will reside. So, I'd truly appreciate it if I could be apprised of the status of the toxicology information projects formerly housed in SIS as soon as you know something so I can present accurate information in my book. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, January 30, 2019 7:38 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,

Thanks for contacting me. We are still working through the details of the transition, which aims to better integrate SIS Tox (and other) resources into the larger NLM data infrastructure. What is the timeline for your book? We may have more answers for you in time for publication. Most of the significant changes will be announced on Patti's blog and via other NLM communications and social media channels. Here's Patti's post from 1/2/19, which gives a general overview of the current elements of NLM reorganization: https://nlmdirector.nlm.nih.gov/2019/01/02/new-year-new-directions-for-nlm/

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Wednesday, January 30, 2019 2:52 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: NLM Toxicology Program
Importance: High

Dear Jerry:

I retired from the SIS Division just about a year ago. I was surprised to learn from a couple of former colleagues that the Division and its TEHIP (Toxicology and Environmental Health Information Program) will be somehow dissolving. The people there still seem to be somewhat confused as to what will be happening. I wrote to Patti Brennan who in turn referred me to Florence Chang but neither of them were able to give me a satisfactory answer. I subsequently wrote to Kathy Craved who just informed me of her own pending retirement and suggested I contact you. I am inquiring less out of personal curiosity about SIS than because of various publications I write and edit. It is important that I get the information right.

For example, I am trying to wrap up, as editor-in-chief, the 5th edition of my *Information Resources in Toxicology* (Elsevier). As I'm sure you can imagine, given the content, NLM, SIS, and TEHIP are mentioned and described many times in a number of the more than 120 chapters. I want to be sure that the book contains the most current information about the status of NLM's tox activities. Could you, perhaps, give me some clear-cut insight into what's being planned, plus a timetable, if there is one? What, for example, is the proper terminology to use?, e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled. I'd like to know what's happening and how to correctly phrase it. And also, will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? Readers of the book and others will need to find the databases and know how to do so. The objective of the book is to offer a comprehensive look at toxicology information resources worldwide and make it as up-to-date as possible in a print (albeit digitally available as well) publication.

Much appreciated.

Sincerely,

Phil Wexler

Sent from Mail for Windows 10

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 7 Aug 2019 10:04:54 -0400
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: ACTION REQUIRED (NLM DEPUTY DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	SIS Division Sunset
Description	Resources and programs of the Specialized Information Services will be sunset or integrated into Library Operations, OCCS and Lister Hill.
Document(s) Supporting Justification	SIS Internal Communications Plan.docx SISsunset.docx SIS-System-message.docx
Justification	Other: The SIS division is being sunset
Retirement Date	06/21/2019
Organization	DSIS
Key Staff Involved	Hua Chang

Internal Communication Plan	
Staff to be Informed	Jody Nurik
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with other NLM products. Please stay tuned to the communications

	from NLM about the status of the SIS products and services. The following staff and offices will be contacted as part of the process of sunsetting SIS: • NLM Leadership • NLM ALL broadcast message from the Director • NLM Customer Service • National Network Coordinating Office / National Network of Libraries of Medicine • Director and Deputy Director of NIH
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Other: NLM ALL broadcast message from the Director
Retained Content	NLM Website Other: Referrals on the website notice will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
Additional Information	RWS/WIM will report on SIS content on NLM main and send findings to LO or OCPL.

External Communication Plan	
External Stakeholders to be Informed	General public, SIS users
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with

	other NLM products. Please stay tuned to the communications from NLM about the status of the SIS products and services.
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Technical Bulletin Newsletter Social Media
Communication Frequency	One time message
Retained Content	NLM Website Other: Referrals will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
Page Redirected	Yes
Redirect URL	www.nlm.nih.gov
Additional Information	---

Request Information	
Request ID	221
Task ID	541
Request Status	Communication Director Approved
Created By	Janice Kelly
Date Created	06/04/2019 04:18 p.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 7 Aug 2019 10:16:13 -0400
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: ACTION REQUIRED (NLM DEPUTY DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXLINE
Description	TOXLINE is a bibliographic database currently part of TOXNET that is created by merging currently bibliographic data from PubMed, technical report data from NTIS, grant information from NIH's RePorter, and other archival data from various sources.
Document(s) Supporting Justification	TOXLINE retirement.docx
Justification	Other: When TOXLINE was first developed (in 1972) the science of toxicology was just emerging as a recognized field for research involving several different scientific disciplines such as biochemistry, pharmacology, physiology, etc. Some of the toxicology literature was covered by MEDLINE, but much of it was not, so other relevant abstracting and indexing services were used to obtain additional literature in toxicology to merge with MEDLINE in order to create the "more complete computer-based file of toxicological information" called for by the President's Scientific Advisory Committee in 1967. Since then, MEDLINE has expanded its journal coverage significantly and other online

	sources of toxicology information are readily available. It is no longer necessary for NLM to create a merged database of this information. we will continue to maintain a subset filter in PubMed to make searching for toxicology information easy for users. In addition, the archived parts of TOXLINE will be available on the NLM FTP site.
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	Part of the TOXNET transition to NCBI involves retiring TOXLINE and directing users to the toxicology subset on PubMed
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Users who license TOXLINE and get it in xml from our FTP site Online users
Communicated Message	TOXLINE will be retired on 1 December 2019. The toxicology subset will be available on PubMed, and older archived parts of TOXLINE will be available on the FTP site.
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Technical Bulletin Newsletter
Communication Frequency	One time message
Retained Content	FTP Other: toxicology subset of PubMed
Page Redirected	No
Additional Information	---

Request Information	
Request ID	162

Task ID	543
Request Status	Communication Director Approved
Created By	Jeanne Goshorn
Date Created	05/08/2019 10:42 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 7 Aug 2019 10:18:26 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: ATTENTION: NLM SUNSETTING REQUEST RETURNED

ATTENTION: The following Sunsetting Request has been **RETURNED** by the Communication Director.

Communication Director	Jody Nurik
Comments	Recommend meeting with OCPL regarding all TOXNET components to develop one communications plan.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	CCRIS
Description	The CCRIS database contains chemical records with carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results. It was developed by the National Cancer Institute (NCI). Data are derived from studies cited in primary journals, current awareness tools, NCI reports, and other sources.
Document(s) Supporting Justification	TOXLINE retirement.docx SIS-sunset-resources.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information

Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Colette Hochstein Sanjay Jain Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen
Communicated Message	CCRIS was originally created by the National Cancer Institute (NCI) and covers the years 1985 to 2011. It is part of TOXNET, and the information it contains is already incorporated into PubChem. On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.

Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: Tech Bulluetin
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, NCI
Communicated Message	CCRIS as a separate database will no longer be available after NLM's TOXNET is retired. In this format it will be available on the FTP site, and the data it includes is already part of NLM's PubChem. On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM’s core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and

	healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Emails Technical Bulletin Social Media
Communication Frequency	Weekly Monthly
Retained Content	NLM Website FTP
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available vis a new TOXNET transition page.

Request Information	
Request ID	361
Task ID	481
Request Status	Returned

Created By	Jeanne Goshorn
Date Created	07/29/2019 10:28 a.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/NLM) [E]
Sent: 7 Aug 2019 14:32:43 +0000
To: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E]
Subject: Updated SIS spreadsheet
Attachments: Copy of Consolidated List of Offeringssunsetcomparisonaugust7OCPL.xlsx

National Library of Medicine
Inventory of Public-Facing Offerings

Offering Name	Offering Short Description	Red, Yellow, Green	Timeline FY2019	Previous Organization Name	Primary Organization Name	API Access	Raw Data FTP	Software	Website Access	Mandate Source Type	Mandate Reference	Priority	Offering Point of Contact	Other Notes:	Status	Critical Issue
AIDSinfo - transitioning to OAR - by Sept	NLM collaborates with the U.S.	Evaluate	May 2019 - Q4 2020	Specialized Information Services (SIS) /	Office of Communication and Public	x		x	x	NIH Policy	Hope Act 1988 PL 100-607	3	Nicole Scott	Jerry is coordinating with OAR and		Funding coming due in September
AIDSinfo HIV/AIDS Drug Database - rows 3-5 fall under row 1				Specialized Information Services (SIS)										App - determine product		
AIDSinfo HIV/AIDS Glossary				Specialized Information Services (SIS)										App - determine product		
AIDSinfo HIV/AIDS Guidelines				Specialized Information Services (SIS)										App - determine product		
AIDSsource -	AIDSource offers access to a	Evaluate	May 2019 - Q4 2020	Specialized Information Services (SIS) /	Office of Communication and Public				x	NIH Policy		5	Nicole Scott - Should be Stacey Arnesen	Under study at LO to determine if		Funding coming due in September
All Hazard Plan - in the sunset sys		Sunset		Specialized Information Services (SIS)									Jennifer Pakiam	ASPR funded NLM to develop and maintain	Sunsetting	
AltBib	AltBib provides resources on Alternatives to	Retain	Q3	Specialized Information Services (SIS) /	Library Operations (LO) / BSD				x	Unknown		1	Bert Hakkinen	Change PubMed special topic (links to	Needs to be modified	
American Indian Health - force approve	American Indian Health is a source for	Sunset	Q3	Specialized Information Services (SIS) /	Library Operations (LO) / Office of				x	Other (e.g., historical)			Laura Bartlett		Sunsetting	
Arctic Health - force approve	Arctic Health is a source for information on	Sunset	Q3	Specialized Information Services (SIS) /	Library Operations (LO) / Office of				x	Other (e.g., historical)			Laura Bartlett		Sunsetting	
Base Chase	Run4Green - in system part of #242			Specialized Information Services (SIS)										App - determine product		
Bohr Thru	Run4Green - in system part of #242			Specialized Information Services (SIS)										App - determine product		
Chemical Hazards - not in system	Chemical Hazards Emergency	Evaluate	Q1 FY2020	Specialized Information Services (SIS) /	Library Operations (LO) / BSD			x	x	Other (e.g., historical)	Companion to WISER with a focus on mass	4	Bert Hakkinen	PSD and BSD will review this jointly. Part of		Funding and contract dure dates upcoming
ChemIDplus - not in system	The ChemIDplus database is a	Evaluate	Q4	Specialized Information Services (SIS) /	Library Operations (LO) / BSD	x	x		x	Other (e.g., historical)	Part of NLM's Toxicology and Environmental	1	Jeanne Goshorn	Content developed in BSD, public		Critical recompete and funding date in
ChemSpell - in system 185 - sunset 9/19		Sunset		Specialized Information Services (SIS)	Library Operations (LO) / BSD								Ying Sun, Jeanne Goshorn, Hua	Remove from NLM Products & Services, no	Sunsetting	
CHIRR - ? Not in system		Sunset		Specialized Information Services (SIS)										Notice on website (done), Contacted 2	approved pre-portal	
CPDB (Carcinogenic Potency		Sunset		Specialized Information Services (SIS)									Jeanne Goshorn	TOXNET information has migrated to	approved pre-portal	
CCRIS (Chemical Carcinogenic		Sunset		Specialized Information Services (SIS)									Jeanne Goshorn		In development(?)	
CTD (Comparative Toxicogenomics		Sunset		Specialized Information Services (SIS)									Bert Hakkinen	TOXNET information has migrated to	In development(?)	
DART (Developmenta Land		Sunset		Specialized Information Services (SIS)	Library Operations (LO) / BSD								David Gillikin, Jeanne Goshorn, Phillip	TOXNET information has migrated to	Sunsetting	
Data Discovery - not in system	The NLM open data discovery site, presented	Evaluate	Q2 (Data Discovery license)	Specialized Information Services (SIS) /	Library Operations (LO) / BSD	x			x	Unknown		2	David Hale			
DERMaL (Dermal Exposure Risk		Integrate		Specialized Information Services (SIS)	Library Operations (LO) / BSD								Jennifer Pakiam, Pertti Hakkinen	Other: It will be incorporated into CHEMM		
Dietary Supplement Ingredient	The Dietary Supplement Ingredient	Evaluate	Q2-Q3, 2020	Specialized Information Services (SIS) /	Library Operations (LO) / BSD				x	Unknown		2	Jeanne Goshorn	Moving to ODS May, 2020. Then remove from		
Dietary Supplement Label Database	The Dietary Supplement Label Database	Evaluate	Q2-Q3, 2020	Specialized Information Services (SIS) /	Library Operations (LO) / BSD	x			x	Unknown		2	Jeanne Goshorn	Moving to ODS May, 2020. Then remove from		
Disaster Information Management	The Disaster Information Management	Evaluate	Q2 2020	Specialized Information Services (SIS) /	Library Operations (LO) / BSD				x	Other (e.g., historical)	https://collections.nlm.nih.gov/ext/kirtashse	4	Stacey Arnesen			Funding coming due in September

National Library of Medicine
Inventory of Public-Facing Offerings

Disaster Lit: Database for Disaster	Disaster Lit, the Database for Disaster	Evaluate	Q2 2020	Specialized Information Services (SIS) /	Library Operations (LO)/PSD	x			x	Other (e.g., historical)	https://collections.nlm.nih.gov/ext/kirtasbse	4	Stacey Arnesen			
Drug Information Portal - not in	The Drug Information Portal contains	Integrate	Q3 - Q4 (starting)	Specialized Information Services (SIS) /	Library Operations (LO)/PSD				x	Unknown		2	Jeanne Goshorn			
Embryo Tox-App not in system				Specialized Information Services (SIS)										App - determine product		
Enviromental Health Student Portal - in	The Enviromental Health Student	Integrate	Q3	Specialized Information Services (SIS) /	OET				x	Other (e.g., historical)		1	Alla Keselman	Merging some content into Tox Town; Tech	Sunsetting	
Environmental Health and Toxicology	The Environmental Health and	Retain	Q3 - Q4	Specialized Information Services (SIS) /	PSD				x		Part of NLM's Toxicology and Environmental	5	Colette Hochstein	Revise and migrate to NLM main site, not		
ERG2016 (iOS & Android) (Soon to change to the ERG2020 not in syst				Specialized Information Services (SIS)										App - determine product		
GeneEd - not in system part of K-12	GeneEd is a portal of genetic topics	Sunset	Q3 (March 31, 2019)	Specialized Information Services (SIS) /	OET				x	Other (e.g., historical)			Alla Keselman	ICF-Q4 - awairing sunset approval some		Funding coming due in September
Gene-TOX - in system #301		Sunset		Specialized Information Services (SIS)									Jeanne Goshorn	TOXNET information has migrated to	In development(?)	
Hazardous Substances Data Bank	The Hazardous Substances Data Bank	Integrate	Q4	Specialized Information Services (SIS) /	Library Operations (LO)/PSD	x	x		x	Other (e.g., historical)	Part of NLM's Toxicology and Environmental	1	Jeanne Goshorn	Content developed in BSD, moving to		Had recent recompete dates; critical is
HazMap - in system 342 2with Joyce	Haz-Map is an occupational health database	Sunset	Q3 - Q4	Specialized Information Services (SIS) /	Library Operations (LO)/PSD				x	Unknown		1	Pertti Hakkinen, David Gillikin	No longer aligned with NLM priorities	In development(?)	
HealthReach - not in system	HealthReach is a database of easy-to-read	Integrate	Q4 - FY2020 Q1	Specialized Information Services (SIS) /	PSD	x			x	Other (e.g., historical)		5	Stephanie Morrison	Under study at LO to determine if		Funding date coming up.
Household Products Database - not	The Household Products Database links	Evaluate	Q3 - Q4	Specialized Information Services (SIS) /	PSD				x	Unknown		1	Bert Hakkinen	Lucie Chen was previous owner; BSD and		
Integrated Risk Information System (IRIS)	Integrated Risk Information System (IRIS)	Sunset	Q4 or later	Specialized Information Services (SIS) /	Library Operations (LO)/PSD	x			x	Unknown		1	Jeanne Goshorn	TOXNET information has migrated to	In development(?)	
International Toxicity Estimates for	International Toxicity Estimates for	Integrate	Q4 or later	Specialized Information Services (SIS) /	Library Operations (LO)/PSD	x			x	Unknown		1	Colette Hochstein, Pertti	Other: The plan is to sunset ITER in the Fall of	Sunsetting	
LactMed not in system	LactMed, a Drugs and Lactation	Integrate	Completed	Specialized Information Services (SIS) /	Library Operations (LO)/PSD	x	x	x	x	Unknown		1	Bert Hakkinen	Needs a long term discussion- being		Funding and contract date in July
LactMed not in system				Specialized Information Services (SIS)										App - determine product		
LiverTox not in system	LiverTox provides up-to-date, accurate	Evaluate	Q3 - Q4	Specialized Information Services (SIS) /	Library Operations (LO)/PSD				x	Unknown		1	Pertti Hakkinen	Livertox will be taken over by NCBI bookshelf		
Mobile REMM (iOS & Android) not in system				Specialized Information Services (SIS)										App - determine product		
NIH Disaster Research Response	The NIH NIH Disaster Research	Evaluate	Q3 - Q4	Specialized Information Services (SIS) /	Library Operations (LO)/PSD	x			x	Other (e.g., historical)	The National Institutes of Health's (NIH)	4	Stacey Arnesen	Stacey to talk to NIEHS collaborator		
Pillbox not in system	Pillbox enables rapid identification	Evaluate	Q3 - Q4	Specialized Information Services (SIS) /	Library Operations (LO)/PSD	x			x	Unknown		2	David Hale			
Pillbox not in system				Specialized Information Services (SIS)										App - determine product		
Radiation Emergency Medical	Radiation Emergency Medical	Evaluate	Q1 FY2020	Specialized Information Services (SIS) /	PSD			x	x	Other (e.g., historical)	Companion to CHEMM with a focus on mass	4	Jen Pakiam	PSD and BSD will review this jointly. Part of		
Run4Green - in system part of #242				Specialized Information Services (SIS)										App - determine product		
SIS K-12 Program - in system #242 -		Sunset		Specialized Information Services (SIS)									Alla Keselman		Sunsetting	
SIS main website - not in system	The SIS main website provides access	Sunset	Q3	Specialized Information Services (SIS) /	OCPL				x	Unknown			Lisa Theisen? Grace?			

Substance Registration System - not in	The Substance Registration System is a	Retain	Q3 - Q4	Specialized Information Services (SIS) /	Library Operations (LO)/BSD				x	Unknown		2	Jeanne Goshorn			
TEHIP - not in system		Sunset		Specialized Information Services (SIS)										Waiting on letter of agreement with		
Tox Mystery - not in system	Tox Mystery is an interactive game about	Sunset	Gone already	Specialized Information Services (SIS) /	Library Operations (LO)/BSD				x	Other (e.g., historical)			N/A		Sunset	
Tox Town - not in the system	Tox Town provides consumer-level	Evaluate	Q1 FY2020	Specialized Information Services (SIS) /	OET				x			5	Alla Keselman	Tox Town -> new title : Consumer		Funding coming due in September
Tox Tutor - not in system	tox Tutor provides college-level	Evaluate	Q1 FY2020	Specialized Information Services (SIS) /	Library Operations (LO)/BSD				x	Unknown		5	Pertti Hakkinen	Needs to be reviewed; BSD and OET		
TOXinvaders Run4Green - in system part of #242				Specialized Information Services (SIS)										App - determine product		
ToxLearn - not in system		Sunset		Specialized Information Services (SIS)									Bert Hakkinen	Waiting on letter of agreement with		
Toxline - in system #162 - December 2019		Integrate		Specialized Information Services (SIS)									Jeanne Goshorn	Converted to pubmed		
Toxline - in system #162 - see row 127		Integrate		Specialized Information Services (SIS)	Library Operations (LO)/BSD								David Gillikin, Jeanne Goshorn, Phillip	Other: When TOXLINE was first developed		
ToxMap - not in system	TOXMAP: Environmental Health Maps	Sunset	Q4	Specialized Information Services (SIS) /	Library Operations (LO)/BSD			x	x	Unknown		1	Colette Hochstein	Additonal notice on TOXMAP		
TOXNET - in system #261	TOXNET is a search system for a cluster of	Integrate	Q4	Specialized Information Services (SIS) /	Library Operations (LO)/BSD	x	x		x		Part of NLM's Toxicology and Environmental	1	Evan Bolton, Colette Hochstein	Other: NLM is consolidatiing information	Integrating	Funding dates coming due in September
TOXNET Toxics Release Inventory (TRI)		Sunset		Specialized Information Services (SIS)	Library Operations (LO)/BSD								Colette Hochstein, David Gillikin		Sunsetting	
Wireless Information System for	Wireless Information System for	Evaluate	Q1 FY2020	Specialized Information Services (SIS) /	Library Operations (LO)/BSD			x	x	Other (e.g., historical)		4	Stacey Arnesen			
SIS Twitter Accounts - in system																
SIS Division - in system #221	Approved by OCPL on 8/7															
Select gov delivery distribution	Approved by OCPL on 8/7															

	Criticality	Contract (Vendor)	Review Timeline	Description	Period of Performance	Recompetition by	Obligation date of funding	COR	Receiving Division	Notes	Meeting Attendees
CHEM/TOX	3	HSDB content building (Technical Research International, "TRI")		TRI funding to add new and update existing HSDB records and for database enhancement including adding new data, features, fields, and more. Funding includes management of Scientific Review Panel meetings (2 meetings/year).	7/2019 - 7/2020	Jul-2019	Jul 2019; Jan 2020	Bert Hakkinen	LO - BSD	Jeanne and Bert - Looking at reimagining this one NCBI, they already working on it. This is an area where they lost a lot of staff and they will need to do the work. There are contractors supporting who can do the currating. - **Is there an option to give them a position to support this work?**	
CHEM/TOX	3	HSDB content building (Syracuse Research Corp, "SRC")		SRC funding to add new and existing HSDB records for environmental fate section and support database enhancement for related fields.	5/2019 - 5/2020	May-2019	May 2019; Nov 2019	Bert Hakkinen	LO - BSD	Jeanne and Bert - Looking at reimagining this one NCBI, they already working on it. This is an area where they lost a lot of staff and they will need to do the work. There are contractors supporting who can do the currating. - **Is there an option to give them a position to support this work?**	
CHEM/TOX	2	ChemID system development (DS Federal)	Q4 FY2019	DSFederal funding to support continued development and maintenance of applications and database maintenance.	9/2019-9/2020	Sep-2019	Sep 2019	Ying Sun	OCCS or BSD?	COR going to OCCS and will continue to play that role; Content BSD - Content - New Chemist (not full time - 70%) and Jeanne -	
CHEM/TOX	2	ChemID content building (Cygnus)	Q4 FY2019	Cygnus funding to support chemical structure, data integration and updates for ChemIDplus	5/2019-5/2020	Apr-2019	May 2019; Jan 2020	Ying Sun	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	2	ChemID 3-D chemical structure (Scientific Thinking)	Q4 FY2019	Funding for 3D structure support and integration activities. Contractor Mitch Miller works closely with PubChem Team.	9/2019-9/2020	Sep-2021	Sep-2019	Ying Sun	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	2	ChemID: Astrix Software license (Biovia / Astrix)	Q4 FY2019	Biovia software licence for chemical structure software	8/2019-8/2020	Aug-2019	Aug-2019	Ying Sun	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	2	ChemID Oracle database license	Q4 FY2019	Oracle database management system for ChemID data, licensed through OCCS	12/2018 - 12/2019			Phillip Thomas, Florence Chang	OCCS or BSD?	Content BSD - Content - New Chemist (not full time - 70%) and Jeanne - COR going to OCCS	
CHEM/TOX	3	LactMed (Phil Anderson)		Content creation and update of the LactMed database	7/2019 -7/2020	Jul-2019	Jul 2019	Lucie Chen	LO - BSD?	**Needs COR - Bert?** Very popular. Should not require significant time. Author is highly motivated and the tool is already integrated into bookshelf - working on recompetition now. Who manages other Bookshelf resources? Should it go there in the future?	
CHEM/TOX	3	Household Product Database (Henry DeLima)	Q3-Q4 FY2019	License of the content of the Household Product Database, a database on the health effects from exposure to the chemical ingredients in the household products	12/2018-12/2019	Dec-2021	Dec 2018	Lucie Chen	LO - BSD	**Needs COR - Bert?** Also very popular, so it will be evaluated. Looking to see if CPSE (Consumer Products Safety Excellence) will take it over.	
CHEM/TOX	1	HazMap (Jay Brown)	Q3-Q4 FY2019	License of the content of the HazMap database, a occupational exposure and diseases database	7/31/2019 -8/1/2020	Jul-2020	Jul 2019	Lucie Chen	Sunset	BSD - Bert is trying to find a new home, can't be added to bookshelf because of how it is structured. Contract ends in July...needs the Sunset form. **ISSUES**	
CHEM/TOX	3	ITER (Univ of Cincinnati)	Q FY2019	License of the content of the International Toxicity Estimates for Risk (ITER)	4/2019 - 4/2020	Apr-2021	Apr 2019	Bert Hakkinen	LO - BSD	Bert COR - Eventually integrated into Bookshelf; ownership of the contract is currently in question, will come down with TOXnet **ISSUES**	
CHEM/TOX	1	Poisindex emergency medical management (Truven Health) **(Not renewed yet as of March)**		License of the content of Poisindex from Truven Health	1/2019 - 1/2020	Jan-2019	Jan 2019	Jen Pakiam	NA - BSD or PSD?	Not renewed but in the process of renewing license, not sure where to go. Should Jen keep this one? Up for integration. Who holds "data" in LO?	
CHEM/TOX	3	SIS and TOXNET computer system/IT support (ICF)		Contract for the main IT contract with ICF International for providing SIS computer system administration and information system development support.	This contract will end Sept, 2019. Contractors will go to OCCS. $800,000 funding goes to OCCS in September, 2019	Not going to re-compete	Sep 2019	Florence Chang	OCCS	COR Wei Ma, Supports 3.5 contractos, contract will end in Sept. Plans around transitioning of systems between now and Sept.	
CHEM/TOX	3	TOXNET/SSEUS Content Management System (Jeffery System)	Q4 FY 2019	Support the data entry and editing system and database maintenance for TOXNET databases, including HSDB, LactMed, and ITER	7/2019 - 7/2020	Jun-2019	Jul 2019	Phillip Thomas	OCCS	COR Wei Ma, setting up the recompete - will be done by July.	
DIMRC	3	Disaster Info Support (ICF)	Q2 FY2020	Includes support for librarian and computer programmer to support Disaster Lit, DIMRC web site, Disaster health informatics and communication innovation initiatives (training, communication)	9/2019 - 9/2020	Sep-2019	Sep 2019	Stacey Arnesen	LO - PSD	Siobhan will be task manager; broad task for IT and content; other innovation projects (Victor); genernal DIMRC website and Dis Lit. CMS, production and staging is at NLM. Programmer offsite, Librarian onsite (can change); will fund this POP	
DIMRC	1	WISER (Next Century)	Q1 FY2020	To support the development of the tool for responding to hazardous material incidents. For maintenance for all platforms with minor enhancements and data (content) updates, and prototyping of voice-activated assistant.	9/2019 - 9/2020	Sep-2019	Sep 2019	Jen Pakiam	LO PSD or BSD?	COR Jen - Bert is also part of the team (no hands on work - facilitator and promoter). Doesn't make sense long term in PSD - should all Tox stuff eventually land in BSD? Jen will be fully occupied; outside contractor does the program - does OCCS need to be looped in on this? this is expected to funded in Sep, recompete, offsite staff; mostly IT website; hosted at NLM; web version; 3 APPS; transitioning to PSD; we need to know about any funding for contractors that update the web pages; unclear about CMS	
DIMRC	3	NASEM Forums		NASEM Med Prep Forum & Action Collab on Disaster resesarch	9/2019 - 9/2020		Sep 2019	Stacey Arnesen	LO - PSD	transfer to PSD; NIH OD contract, we have a task on it to support NASEM; no IT, run forums; need to make a decision about contributing to this in 2019, Annual fee, Cheryl Field, should this be a membership - **Did this question get answered?**	
CHEM/TOX	1	CHEMM content creation and maintenance (AlphaTrac)	Q1 FY2020	Support the content creation and maintenance of Chemical Hazards Emergency Medical Management (CHEMM)	8/1/2019 - 7/31/2020	Aug-2019	Jul 2019	Bert Hakkinen	LO - PSD?	COR Bert- very involved; Jen marginally involved, considered one of the Disaster tools and closerly tied to WISER - where should it live? outside contractor does the program - does OCCS need to be looped in on this? Could work to have Jen take over COR and Bert as an advisor PSD -- Shifting from solo contract to task under a BPA - Get Jen involved in task	
DIMRC	1	REMM							LO - PSD?	Jen is the POC, Florence will be handing this off to her. Issues with the Content expert HHS funded contractor and with the technology; Florence has done the technology; funding by an interagency agreement by HHS. Dianne and David are aware of the situation - **ISSUE**	
Outreach	3	Special Population Resources Maintenance (ICF)	Q3 FY2019	Staffing, IT support for HealthReach, American Indian Health, Arctic Health	9/2018-9/2019	Sep-2019	Sep 2019	Laura Bartlett	NA LO-PSD?	Only one left is HealthReach; but the other ones are going, Being integrated into MedLinePlus. **Michael Honch in PSD as owner?-** Laura has some "Outreach" connections that involve getting content - she has a few tasks that she is doing through September - User studies (20-25% of her time until fully integrated)	
Outreach	**2**	Technical and Programmatic Support for Specific Population Projects (ICF)		Support services for outreach projects such as CHIC, Community Health Maps, etc	9/2018-9/2019	Sep-2019	Sep 2019	Janice Kelly	LO - OET?	Janice gave her suggestions; and will be meeting with Joyce and Amanda to discuss all Outreach programs; Prior John Scott had many Subcontracts for outreach awards, TBD; **need COR**	
Outreach	**2**	Maintenace and Development Support for SIS Programs Projects (ICF)		Provide comprehensive management and staffing services to the National Library of Medicine Specialized Information Services to support websites, services and activities	9/2018-9/2019	Sep-2019	Sep 2019	Nicole Scott	LO OET or PSD?	supports 2 contract staff - **Sent Amanda an note and she is interested; 80% DIMRC and 20% Outreach; - through Sept.**	
Outreach	**2**	EnHIP Chair		Support for the year long duties of the EnHIP chair	1/15/2019-1/14/2020	Jan-2019		Janice Kelly	LO - OET	**need COR; is this an annual PO? Laura?**	

Outreach	**2**	EnHIP senior advisor		Suppport for the year long duties of the EnHIP senior advisor Rueben Warren	9/20/2018-9/19/2019		9/20/2019	Janice Kelly	LO - **OET**	**need COR; is this an annual PO? Laura?**
Outreach	**4**	Higher Ed Project		Project addressing the needs of minority serving institutions to use HSDB and other NLM resources	3/6/18-6/28/19	Jun-2019	6/28/2019	Cassandra Allen	Sunset	Totally Sunset at this point
Outreach	**2**	Training and Outreach Support Services for NLM (ICF)		Subaward to ORAU for training and outreach support, promotion and logistical support to SIS	9/2018-6/2019	Jun-2019	June 2019	Nicole Scott	LO - OET?	Being competed; **need COR? Will Nicole continue once funded or should this shift to OET?** Trying to put in a BPA - Nicole still involved and Jody is aware
Outreach	**2**	Training and Outreach Support Services for NLM (ICF)		OET will need to take over the separate LMS; what do they want to do with it. Resources have been developed				Nicole Scott	LO - OET?	No plans right now for LMS. **Ends in June or July?**
Outreach	**2**	Training and Outreach Support Services for NLM (ICF)		OET will need to take over exhibitingS; what do they want to do with it. Resources have been developed				Nicole Scott	LO - OET?	No plans right now for exhibiting. **Ends in June or July?**
CONS HLTH	1	Consumer Health Resources: Maintenance (ICF)	Q1 FY2020	Provide subject matter and IT expertise to support Tox Town's, Kids portal, and GeneEd	9/2018-9/2019	Sep-2019	Sep 2019	Alla Keselman	LO - BSD or PSD?	TOXTOWN - Alla is working on it; **should it go to BSD or PSD since they have consumer resoures;** no content expert (people are gone) recommend PSD but needs a Task Manager - needs a home - **public facing website should transition to OCCS;** developer is ICF; different CMS; will this go into PSD as consumer or as a CHEM/Tox offering. need to know the funding breakdown of IT vs content and **need a task manager**
CONS HLTH	1	Special Population Resources Enhancement and Outreach (ICF)	Q4 FY2019 - Q1 FY2020	Support special population resources including HealthReach, Arctic Health, and American Indian Health.	9/2018-9/2019	Sep-2019	Sep 2019	Laura Bartlett	LO / OCCS	Need to figure out resources/funds - this is the content/Outreach part? Very little IT, done by FTE at OCCS; talk to Laura--what should happen? healthreach integrated into Med+; **need task manager; OCCS will need support for IT; Nicole is asking for an estimate for support of HR**
AIDS	**1**	AIDSinfo and AIDSource (ICF)	Q4 2020	Manage daily operations of the AIDSinfo, infoSIDA and AIDSource services - the AIDSinfo website, guidelines and panels, and treatment information	9/2018-9/2019	Sep-2019	Sep 2019	Nicole Scott	**LO OCPL**	OCPL? Patty wants it transitioned to another IC, Nicole is working on that
AIDS	**1**	AIDSinfo and AIDSource: Supplemental Tasks (ICF)	Q4 2020	Support for content development, outreach, training, evaluation, user studies, etc	9/2018-3/2020	Sep-2019	Sep 2019	Nicole Scott	OCPL?	OCPL? Being evaluated for inclusion in MedlLinePlus- **Andrew Plummer in PSD as an option; logical choice.** Nicole and team talking about this. Julian works on this as well as part of the team.
AIDS	**3**	AIDS Foundation Houston (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2019	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Black Girl Health (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Comunidades Unidas (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Philadelphia FIGHT (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	Prevention Collaborative (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	SFPH HIVE (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	SFPH PleasePrEPMe (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
AIDS	**3**	University of Massachusetts Medical School (ACIOP)		AIDS Community Information Outreach Program (ACIOP) Awardee - (https://aciop.blog/currently-funded-projects)	9/24/18-9/23/19	N/A	Sep-2018	Nicole Scott	LO - OET?	Consider moving OET to be awarded through the UG4; End in Sept - **plans to continue? Or moving money to OARU to continue?** Need to do a new contract very quickly if that is the direction they are planning - see the other note - Tonia is helping. **Task Manager?**
Diatery Supplements LD and ID	3			Curration of labels, and content all done by ODS; NLM provides hosting					LO- BSD	They have a year to find a new home; Jeanne is involved this will move to BSD to be wrapped up. Coordinate with OCCS on the hosting piece.

	Agency	Offering	Contract	POC @NLM	POC @fed. Agency	Funding FY2018	
CHEM/TOX	FDA	ChemIDplus; Substance Registry	ICF BPA; DSFederal; Cygnus; Scientific Thinking	Ying Sun	Larry Cunningham	$50,000	
DIMRC	DOT	WISER	Next Century	Jen Pakiam	Tom Kitty	$27,179.72	To PSD; not funded as of May 2; expect increase for ERG updates; all to the
AIDS	HRSA	AIDSinfo	ICF BPA;	Nicole Scott	Laura Cheever/ Andrea Knox	$25,000	AIDSINFO funding; Nicole is going to continue support this effort (to OCPL)
CHEM/TOX	FDA	Support FDA Office of Orphan Products Development (OOPD)	ICF BPA	Nicole Scott; Ying Sun	Cora Sutton	$195,000	
CHEM/TOX/DIMRC	ASPR	REMM/CHEMM	ICF BPA; Next Century; ICF (IT contract)	Florence Chang; Stacey Arnesen	John Koerner	$221,000	a portion of this goes onto this to support CHEMM ofn the WISER app; expect funding in 2019
NICHSR	ASPE	NICHSR	ICF BPA	?	?	$150,000	

Direct Citations								
CAN Citation Tracki	**IC Reference no.**	Offering	**CAN**	**FY2018 Amount**	**Issuing IC**	**Receiving IC**	**Purpose**	
DC-LM-18-03	DCC AI 501903	AIDSinfo	8470035	810,000.00	NIAID	NLM/SIS	AIDS Info Service	expected funding in 2019; plan to transition to NIAID in 2020; supports guidelines
DC-LM-18-13	DCC-AI-4042-06	NAS task for Forum on Medical and Public Health Preparedness for Disasters and	8010831	35,000.00	NIAID	NLM/SIS	Medical and Public Health	all of these (green) are collected by NLM to add to the NASEM contract for the forum
DC-LM-18-14	DCC-AI-7065-02	NAS task for Action Collaborative on Disaster Research	8010831	10,000.00	NIAID	NLM/SIS	IOM	
DC-LM-18-15	OD-2018-03	NAS task for Action Collaborative on Disaster Research	8469994	75,000.00	NIEHS	NLM/SIS	Large Scale Event	
DC-LM-18-17	OD-2018-02	NAS task for Forum on Medical and Public Health Preparedness for Disasters and	8469994	10,000.00	NIEHS	NLM/SIS	Catastrophic Event	
DC-LM-18-20	HD-8-132	NAS task for Action Collaborative on Disaster Research	8014682	10,000.00	NICHD	NLM/SIS	NASEM	
DC-LM-18-21	1837	NAS task for Action Collaborative on Disaster Research	8321311	5,000.00	FIC	NLM/SIS	NASEM	
DC-LM-18-22	OD-2018-05	NIH Disaster Research Response Program (https://dr2.nlm.nih.gov)	8469994	100,000.00	NIEHS	NLM/SIS	DR2 NLM Website	this is under discussion w/PB; goes to ICF; DR2 web (IT and content)
DC-LM-18-23	18-143	NAS task for Action Collaborative on Disaster Research	8391741	10,000.00	OBSSR/OD	NLM/SIS	NASEM	
DC-LM-18-24	D2-CO-8145		8323341	10,000.00	NCI	NLM/SIS	NASEM	

CATEGORY	CHEM/TOX THIS GROUP IS NOT GOING TO HAPPEN?	DRUG	CONS HLTH	DIMRC THIS GROUP IS NOT GOING TO HAPPEN?	DATA	AIDS	OUTREACH
Senior Leader(s)	**Florence Chang** **Jim Ostell** **Joyce Backus**	**Joyce Backus** **Clem McDonald** **Jerry Sheehan**	**Joyce Backus**	**Florence Chang**	**Ivor d'Souza**	**Jerry Sheehan**	**Joyce Backus**
Chair	David Gillikin -Chair	Stacey Arnesen	Stephanie Morrison	Alla Keselman -	Barbara Bushman Pete Seibert or Mike Davidson	NLM/OD with NIH, HRSA, etc	Amanda Wilson
Members	Evan Bolton Stacy Lathrop	David Hale Olivier Bodenreider	Laura Bartlett Alla Keselman	NNCO Lisa Sedlar	Eric Sayers		
	Bert Hakkinen Jean Goshorn	Tammy Powell or Chris Hui Patrick McLaughlin or team member	Fedora Braverman	Siobhan Champ-Blackwell	Rebecca Goodwin		
	Jim Pash	Jen Jentsch Duc Nguyen or team member Wei Ma or team member NCBI?	OCPL NNCO MMS-training		David Hale OCCS LHC		

See TABS for info on offerings and contracts related to each category

DRAFT

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	A	B	C	D	E	F	G
38	TEHIP	PSD	Colette		NLM.nih.gov	Notice on SIS website	Moving to NLM main
39	ToxLearn	Sunset	Bert	approved pre-portal	Tox Tutor	Contacted Society of Tox who co-developed	Waiting on letter of agreement with SOT to take the files. OCG reviewed.
40	TOXLINE	Sunset	Jeanne	in the system - sent to David Gillikin	PubMed	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page and help link provided on the page	Part of the TOXNET integration with NCBI platforms. Tox info searchable in PubMed with a toxiocology subset
41	ToxMap	Sunset	Colette	approved pre-portal	https://www.epa.gov/toxics-release-inventory-tri-program and https://www.epa.gov/geospatial/epa-geospatial-applications	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page. Help for users will link to EPA GIS and TRI resources on the page.	Additonal notice on TOXMAP website, notice in Technical bulletin, NLM social media feeds, remove link in NLM Prod & Services. The data files (PDFs, text, and web pages) will be compressed as zip files available as downloads
42	ToxMystery	Sunset	Florence	approved pre-portal			done
43	TOXNET	Sunset	Jeanne	in the portal	PubMed, PubChem, Bookshelf	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page	Part of the TOXNET integration with NCBI platforms
44	ToxTown	PSD	Alla				
45	TRI	Sunset	Colette	in the portal	EPA TRI https://www.epa.gov/toxics-release-inventory-tri-	TOXNET information has migrated to PubChem, PubMed and Bookshelf will be posted on TOXNET transition page with help for users will be provided on page and sunset notice	Tech Bulletin, remove from NLM Products & Services

	A	B	C	D	E	F	G
46	WISER (Wireless Information System for Emergency Responders)	PSD	Jen				App will be maintained
47	**PROGRAMS**						
48	Training	OET/OCPL	Nicole Amanda				OET to continue
49	Exhibiting	OET/OCPL	Nicole Amanda				OET to continue
50	Community Health Maps	OET	Colette/ Laura				OET to continue in FY20, will need a new webpage. Change to new URL in products & services
51	EnHIP	OET	Cynthia				OET to continue in FY20, will need a new webpage. Change to new URL in products & services. Recommended Cynthia.
52	Chickasaw Outreach	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
53	Knowledge River	OET	Laura				OET to continue in FY2020. Recommended Laura as task mgr
54	Tox Tutor	OET/BSD	Bert				Funding in the OET training budget, Bert is the SME and lead
55	K-12 Program	Sunset	Alla	in the portal	Tox Town, Medlineplus	See message in plan	OET or OCPL may want to edit and keep the K-12 resources page currently on the SIS website. Make a list of unique assets from page

	A	B	C	D	E	F	G
56	ACIOP	OCPL/OET	Nicole Amanda				ORAU sent funding announcement
57	Disaster Information Specialist	PSD	Stacey Siobhan				https://disasterinfo.nlm.nih.gov/disaster-info-specialist
58	**SOCIAL MEDIA**						All kept accounts listed below (except HealthReach) will move to the NLM Eneterprise account with 3 categories: AIDS, Disaster Information and General Topic
59	AIDSinfo	OCPL	Nicole				Kept accounts move to AIDS enterprise account: -AIDSinfo At a Glance E -Newsletter ○○ -AIDSinfo Weekly Twitter Digest ○○○ -infoSIDA al instante -infoSIDA Weekly Twitter Digest - HIV Community Information Outreach

	A	B	C	D	E	F	G
60	NLM Outreach to Specific Populations Gov Delivery Accounts	OET	Ilyse				Kept Accounts move to General topics Enterprise acct): •○Health Info Outreach Professional News – on hold for OET (General) •○HealthReach Updates – moving to MedlinePlus Account (not Enterprise) •○HIV Community Infor
61	K-12 Science and Health Education	Sunset	Alla	in the portal		See message in plan	Delete account and 3 topic areas in June •○Education Connection Newsletter •○Education Connection What's New Remove from https://www.nih.gov/news-events/social-media-outreach Remove from https://www.nih.gov/news-events/social-media-outreach •○NSTA State Chapter Outreach (50)
62	#NAME?	Sunset	Colette	in the portal		See message in plan	Delete in June. Remove from https://www.nih.gov/news-events/social-media-outreach

	A	B	C	D	E	F	G
63	NLM Toxicology and Environmental Health	PSD	Colette				Kept accounts moving to General Eneterprise aact: -NLM Toxicology and Environmental Health Information -STEM Newsletter
64	DIMRC	PSD	Siobhan				Kept accounts moving to Disaster information Enetrprise acct: •○NLM_DIMRC Twitter Daily Digest •○NLM_DIMRC Twitter Digest Weekly •○CHEMM Updates and News •○Disaster Health Information: Resources and Announcements •○Disaster Lit Database Daily Updates •○Disaster Lit Database Weekly Updates •○Listserv Disaster Lit Database Weekly Updates •○REMM Updates •○WISER Updates and
65	**OTHER**						
66	Games - Run4Green; Bohr Thru, Base Chase, ToxInvaders	Sunset by obsolenc	Alla				
67	Animations in YouTube	TBD	Alla				

	A	B	C	D	E	F	G
68	Division of Specialized Information Services	Sunset	Florence /OCPL	in the portal	NLM	See messages in plan	Meeting with OCPL about messages and talking points, WIM to run report on SIS mentioned on NLM main
69							
70							

From: Nurik, Jody (NIH/NLM) [E]
Sent: 7 Aug 2019 14:49:47 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E];Crutchman, Alise (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: FW: Inquiry - Status of NLM Toxicology Program - draft for your review.

Hi Jerry,

What do you think about the below blurb to send back to Philip? Thanks, Jody

_____

In June 2019, the National Institutes of Health's, National Library of Medicine's (NLM) Division of Specialized Information Services (SIS) was merged into three different areas of the Division of Library Operations.
NLM is currently reviewing and evaluating services and offerings formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. This includes Toxicology and Environmental Health Information Program (TEHIP), which will be re-imagined over time.
NLM is evaluating how to best integrate SIS offerings into more current and standard technology, for example, some of the resources from ToxNet will be included in PubMed, BookShelf and PubChem.
These changes will be announced as the work is completed.

From: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Sent: Tuesday, August 6, 2019 3:25 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Re: Inquiry - Status of NLM Toxicology Program

Thanks David!

Nicole

On Aug 6, 2019, at 2:34 PM, Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov> wrote:

> Nicole,
> I worked with Joyce Backus on this issue. Here's our overall response:
>
> NLM's Division of Specialized Information Services (SIS) and its products were merged into 3 different areas of the Division of Library Operations in June 2019. We are currently reviewing and evaluating the products and services formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. In addition, we are seeing how best to integrate some products into more current and standard technology used at NLM; for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. These changes will be announced at the

appropriate times as the work is completed. TEHIP will need to be re-imagined within NLM over time.

OCPL should of course review and edit this text as you see appropriate.
Thanks
David

David Gillikin
Chief, Bibliographic Services Division
U.S. National Library of Medicine
8600 Rockville Pike
Bldg 38A, Rm 4N419
Bethesda, MD 20894-3831

From: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Date: Tuesday, August 6, 2019 at 9:37:39 AM
To: "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>
Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>
Subject: Inquiry - Status of NLM Toxicology Program

Hi Jeanne and Bert,

Phil Wexler contacted NLM (Jerry Sheehan and Jody Nurik) in January inquiring about the most updated information on the TEHIP (Toxicology and Environmental Health Information Program). As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, he would like to ensure that his book (see thread below) does not misrepresent NLM's current role in the informatics framework of the subject. While SIS is now closed and staff are settled in their offices, we would like to provide Phil with accurate information based on his request.

Can you please provide the following information by **COB today**:

- Current organization of the Division and status/location of its digital information resources (TEHIP)
- Plans and a timetable for the organization of TEHIP
- Proper terminology to use (e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled.) *for correct phrasing in the book*
- Answer: Will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? *Readers of the book and others will need to find the databases and know how to do so.*

Thanks, Nicole

Nicole D. Scott, MPH

National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Philip Wexler
Sent: Monday, July 29, 2019 8:56 AM
To: Nurik, Jody (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program
Importance: High

Thanks very much, Jody. As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, I want to be certain that my book does not misrepresent NLM's current role in the informatics framework of the subject. I think if you review the email thread below, you will find it describing what kind of information I am looking for. Feel free, though, to let me know if you have any questions. I look forward to hearing from you soon. - Phil

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, July 29, 2019 8:07 AM
To: Philip Wexler
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program

Good morning, Mr. Wexler:

We will be back in touch this week on this and also to gather additional information as we may need to get publication clearance from HHS and NIH.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Saturday, July 27, 2019 6:54 PM
To: Philip Wexler <philipwexler@msn.com>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: NLM Toxicology Program

Phil
By way of this message, I'm putting you in contact with Jody Nurik, NLM's new communications director. She has the best overview of which resources are going where, and which are set to be retired. There are still a number of resources that are being more fully assessed, but decisions have been made about many.

Best

Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Saturday, July 27, 2019 12:24 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program
Importance: High

Jerry – Would appreciate hearing any further details about SIS and its resources so as not to mislead the readers of my forthcoming book and send them on a wild goose chase after NLM tools and URLs which no longer exist or have changed. Thanks. - Phil

Sent from Mail for Windows 10

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Sent: Monday, July 15, 2019 12:52 PM
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Sent from Mail for Windows 10

From: Philip Wexler
Sent: Tuesday, May 7, 2019 11:45 AM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – Thanks for this. Yes, please keep me posted on what's going on. I haven't gotten any copyedited chapters back from the publisher yet so hopefully there will still be time to make changes if I hear more news about SIS. And do let me know if you hear anything on Russian/Scandinavian specialists. - Phil

Sent from Mail for Windows 10

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Sent: Friday, May 3, 2019 1:39:56 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We're still working out the transition timeline for SIS and its various toxicology resources. Staff will transition out of SIS and into other parts of NLM by the end of June. We're close

to having the resource timeline figured out, but not yet ready to announce it. I know this creates some complications for you, but it's a complicated transition as you can imagine.

I'm looking into your second Q below and will get back to you w/ any additional information.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Monday, April 29, 2019 3:08 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Jerry –

Do you have any further information concerning the dissolution or transition of SIS and its toxicology information activities?

Also, would you have names and contact information for any NLM librarians who specialize in Russian and/or Scandinavian materials. I would like to ask their advice about certain foreign language materials in my book.

Thanks.

- Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, January 31, 2019 6:04 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We'll keep you posted as we make progress w/ the transition. We are reviewing individual resources and should have some updated information before your deadlines.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, January 31, 2019 10:54 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Thanks, Jerry. The deadline for getting all the chapters in is April 1, although publication deadlines are usually made to be broken. Certainly I'd like to know as soon as possible because the further in we get in the production process, i.e. copyediting and proofing, the more of a headache it is to make any changes. On the post you directed me to, I found it rather curious that no mention whatsoever is made of SIS' toxicology activities. Also, although SIS has clearly disappeared from the organizational chart and despite a single vague occurrence of the word "toxicology" in a bulleted item, I have no inkling of where the toxicology databases will reside. So, I'd truly appreciate it if I could be apprised of the status of the toxicology information projects formerly housed in SIS as soon as you know something so I can present accurate information in my book. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, January 30, 2019 7:38 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
Thanks for contacting me. We are still working through the details of the transition, which aims to better integrate SIS Tox (and other) resources into the larger NLM data infrastructure. What is the timeline for your book? We may have more answers for you in time for publication. Most of the significant changes will be announced on Patti's blog and via other NLM communications and social media channels. Here's Patti's post from 1/2/19, which gives a general overview of the current elements of NLM reorganization: https://nlmdirector.nlm.nih.gov/2019/01/02/new-year-new-directions-for-nlm/

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Wednesday, January 30, 2019 2:52 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: NLM Toxicology Program
Importance: High

Dear Jerry:

I retired from the SIS Division just about a year ago. I was surprised to learn from a couple of former colleagues that the Division and its TEHIP (Toxicology and Environmental Health Information Program) will be somehow dissolving. The people there still seem to be somewhat confused as to what will be happening. I wrote to Patti Brennan who in turn referred me to Florence Chang but neither of them were able to give me a satisfactory answer. I subsequently wrote to Kathy Craved who just informed me of her own pending retirement and suggested I contact you. I am inquiring less out of personal curiosity about SIS than because of various publications I write and edit. It is important that I get the information right.

For example, I am trying to wrap up, as editor-in-chief, the 5th edition of my *Information Resources in Toxicology* (Elsevier). As I'm sure you can imagine, given the content, NLM, SIS, and TEHIP are mentioned and described many times in a number of the more than 120 chapters. I want to be sure that the book contains the most current information about the status of NLM's tox activities. Could you, perhaps, give me some clear-cut insight into what's being planned, plus a timetable, if there is one? What, for example, is the proper terminology to use?, e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled. I'd like to know what's happening and how to correctly phrase it. And also, will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? Readers of the book and others will need to find the databases and know how to do so. The objective of the book is to offer a comprehensive look at toxicology information resources worldwide and make it as up-to-date as possible in a print (albeit digitally available as well) publication.

Much appreciated.

Sincerely,

Phil Wexler

Sent from Mail for Windows 10

From: Middleton, Grace (NIH/NLM) [C]
Sent: 8 Aug 2019 13:00:00 +0000
To: Nurik, Jody (NIH/NLM) [E];Crutchman, Alise (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E]
Subject: RE: Inquiry - Status of NLM Toxicology Program

I think we should send him the below information, a link to the SIS homepage and a note that says clearance isn't necessary. Would you like me to draft it?

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, August 6, 2019 7:57 PM
To: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>
Subject: Re: Inquiry - Status of NLM Toxicology Program

Wondering also if we should provide a link to the SIS homepage where we plan to provide updates?

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Date: Tuesday, August 6, 2019 at 7:02 PM
To: Alise Crutchman <alise.crutchman@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Cc: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Subject: FW: Inquiry - Status of NLM Toxicology Program

Alise and Grace,

I reviewed and have edits below, any comments? I would like Jerry to review so would need to get him something late morning.

_____

The National Institutes of Health's, National Library of Medicine's (NLM) ~~NLM's~~ Division of Specialized Information Services (SIS) ~~and its products~~ ~~were~~ was merged into ~~3~~ three different areas of the Division of Library Operations in June 2019. ~~We are currently~~ NLM is reviewing and evaluating the ~~products and~~ services and offerings formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. This includes TEHIP which will need to be re-imagined over time. In addition, ~~we are~~ NLM is seeing how best to integrate some ~~products~~ SIS offerings into more current and standard technology ~~used at NLM;~~ for example, some of the ToxNet resources will be

included in PubMed, BookShelf and PubChem. These changes will be announced ~~at the appropriate times~~ as the work is completed. ~~TEHIP will need to be re-imagined within NLM over time.~~

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Date: Tuesday, August 6, 2019 at 3:24 PM
To: "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>
Cc: "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, Alise Crutchman <alise.crutchman@nih.gov>
Subject: Re: Inquiry - Status of NLM Toxicology Program

Thanks David!

Nicole

On Aug 6, 2019, at 2:34 PM, Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov> wrote:

> Nicole,
> I worked with Joyce Backus on this issue. Here's our overall response:
>
> NLM's Division of Specialized Information Services (SIS) and its products were merged into 3 different areas of the Division of Library Operations in June 2019. We are currently reviewing and evaluating the products and services formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. In addition, we are seeing how best to integrate some products into more current and standard technology used at NLM; for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. These changes will be announced at the appropriate times as the work is completed. TEHIP will need to be re-imagined within NLM over time.
>
> OCPL should of course review and edit this text as you see appropriate.
> Thanks
> David
>
> ---
> *David Gillikin*

Chief, Bibliographic Services Division
U.S. National Library of Medicine
8600 Rockville Pike
Bldg 38A, Rm 4N419
Bethesda, MD 20894-3831

From: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Date: Tuesday, August 6, 2019 at 9:37:39 AM
To: "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>
Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>
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Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

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Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]

Subject: RE: NLM Toxicology Program
Importance: High

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Thanks,
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Subject: RE: NLM Toxicology Program

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Jerry

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Sent: Wednesday, January 30, 2019 2:52 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: NLM Toxicology Program
Importance: High

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Much appreciated.

Sincerely,

Phil Wexler

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: 8 Aug 2019 14:35:04 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Kight, Chianti (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program

Got it, thanks!

Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Thursday, August 8, 2019 10:01 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Kight, Chianti (NIH/NLM) [C] <chianti.kight@nih.gov>
Subject: RE: NLM Toxicology Program

I just gave Chianti my markup. Not a lot of suggested edits. The timing is unfortunate given where we are w/ the assimilation of SIS programs into LO. You might let Wexler know that we wish we could provide more information but that much is still in transition…as it has been for the last few months he's been asking.

Thanks
Jerry

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Thursday, August 8, 2019 8:59 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: FW: NLM Toxicology Program
Importance: High

Hi Jerry,

Will you be able to review the text below today? Thanks, Jody

_____
In June 2019, the National Institutes of Health's, National Library of Medicine's (NLM) Division of Specialized Information Services (SIS) was merged into three different areas of the Division of Library Operations.
NLM is currently reviewing and evaluating services and offerings formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. This includes Toxicology and Environmental Health Information Program (TEHIP), which will be re-imagined over time. NLM is evaluating how to best integrate SIS offerings into more current and standard technology, for example, some of the resources from ToxNet will be included in PubMed, BookShelf and PubChem. These changes will be announced as the work is completed.

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, August 8, 2019 8:53 AM

To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: NLM Toxicology Program
Importance: High

Jody - I am being pressed by my publisher to provide the information I've been saying is forthcoming about the current status of SIS/TEHIP/TOXNET and I guess I'm just not sure what's holding up my getting this information from NLM. In the absence of any accurate details, I may just have to write a statement piecing together what I have come across on the Web and speculate, which would be a disservice to the readers of the book but better than ignoring the issue. - Phil

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, August 6, 2019 6:59 AM
To: Philip Wexler
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]; Crutchman, Alise (NIH/NLM) [E]
Subject: Re: NLM Toxicology Program

Good morning,

Thanks for checking in and apologies in the delay. Personal Info and one of my colleagues (Grace/Alise copied on this email) should be in touch by tomorrow at the latest.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: Philip Wexler <philipwexler@msn.com>
Date: Monday, August 5, 2019 at 8:33 PM
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Cc: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: RE: NLM Toxicology Program

Jody – I was expecting to hear from you by now. Do you have any answers yet? Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Monday, July 29, 2019 8:56 AM
To: Nurik, Jody (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program
Importance: High

Thanks very much, Jody. As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, I want to be certain that my book does not misrepresent NLM's current role in the informatics framework of the subject. I think if you review the email thread below, you will find it describing what kind of information I am looking for. Feel free, though, to let me know if you have any questions. I look forward to hearing from you soon. - Phil

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, July 29, 2019 8:07 AM
To: Philip Wexler
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program

Good morning, Mr. Wexler:

We will be back in touch this week on this and also to gather additional information as we may need to get publication clearance from HHS and NIH.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Saturday, July 27, 2019 6:54 PM
To: Philip Wexler <philipwexler@msn.com>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: NLM Toxicology Program

Phil
By way of this message, I'm putting you in contact with Jody Nurik, NLM's new communications director. She has the best overview of which resources are going where, and which are set to be retired. There are still a number of resources that are being more fully assessed, but decisions have been made about many.

Best
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Saturday, July 27, 2019 12:24 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>

Subject: RE: NLM Toxicology Program
Importance: High

Jerry – Would appreciate hearing any further details about SIS and its resources so as not to mislead the readers of my forthcoming book and send them on a wild goose chase after NLM tools and URLs which no longer exist or have changed. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Monday, July 15, 2019 12:52 PM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – My understanding is that SIS' Democracy location has been vacated by now. Still hoping to hear something concrete about the current organization of the Division and status/location of its digital information resources. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Tuesday, May 7, 2019 11:45 AM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – Thanks for this. Yes, please keep me posted on what's going on. I haven't gotten any copyedited chapters back from the publisher yet so hopefully there will still be time to make changes if I hear more news about SIS. And do let me know if you hear anything on Russian/Scandinavian specialists. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Friday, May 3, 2019 1:39:56 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We're still working out the transition timeline for SIS and its various toxicology resources. Staff will transition out of SIS and into other parts of NLM by the end of June. We're close to having the resource timeline figured out, but not yet ready to announce it. I know this creates some complications for you, but it's a complicated transition as you can imagine.

I'm looking into your second Q below and will get back to you w/ any additional information.

Best,

Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Monday, April 29, 2019 3:08 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Jerry –

Do you have any further information concerning the dissolution or transition of SIS and its toxicology information activities?

Also, would you have names and contact information for any NLM librarians who specialize in Russian and/or Scandinavian materials. I would like to ask their advice about certain foreign language materials in my book.

Thanks.

- Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, January 31, 2019 6:04 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We'll keep you posted as we make progress w/ the transition. We are reviewing individual resources and should have some updated information before your deadlines.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, January 31, 2019 10:54 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Thanks, Jerry. The deadline for getting all the chapters in is April 1, although publication deadlines are usually made to be broken. Certainly I'd like to know as soon as possible because the further in we get in the production process, i.e. copyediting and proofing, the more of a headache it is to make any changes. On the post you directed me to, I found it rather curious that no mention whatsoever is made of SIS' toxicology activities. Also, although SIS has clearly disappeared from the organizational chart and despite a single vague occurrence of the word "toxicology" in a bulleted item, I have no inkling of where the toxicology databases will reside. So, I'd truly appreciate it if I could be apprised of the status of the

toxicology information projects formerly housed in SIS as soon as you know something so I can present accurate information in my book. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, January 30, 2019 7:38 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
Thanks for contacting me. We are still working through the details of the transition, which aims to better integrate SIS Tox (and other) resources into the larger NLM data infrastructure. What is the timeline for your book? We may have more answers for you in time for publication. Most of the significant changes will be announced on Patti's blog and via other NLM communications and social media channels. Here's Patti's post from 1/2/19, which gives a general overview of the current elements of NLM reorganization: https://nlmdirector.nlm.nih.gov/2019/01/02/new-year-new-directions-for-nlm/

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Wednesday, January 30, 2019 2:52 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: NLM Toxicology Program
Importance: High

Dear Jerry:

I retired from the SIS Division just about a year ago. I was surprised to learn from a couple of former colleagues that the Division and its TEHIP (Toxicology and Environmental Health Information Program) will be somehow dissolving. The people there still seem to be somewhat confused as to what will be happening. I wrote to Patti Brennan who in turn referred me to Florence Chang but neither of them were able to give me a satisfactory answer. I subsequently wrote to Kathy Craved who just informed me of her own pending retirement and suggested I contact you. I am inquiring less out of personal curiosity about SIS than because of various publications I write and edit. It is important that I get the information right.

For example, I am trying to wrap up, as editor-in-chief, the 5th edition of my *Information Resources in Toxicology* (Elsevier). As I'm sure you can imagine, given the content, NLM, SIS, and TEHIP are mentioned and described many times in a number of the more than 120 chapters. I want to be sure that the book contains the most current information about the status of NLM's tox activities. Could you, perhaps, give me some clear-cut insight into what's being planned, plus a timetable, if there is one? What, for example, is the proper terminology to use?, e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled. I'd like to know what's happening and how to correctly phrase it. And also, will the databases continue to exist and be updated, but via other

NLM Divisions? Will URLs change? Readers of the book and others will need to find the databases and know how to do so. The objective of the book is to offer a comprehensive look at toxicology information resources worldwide and make it as up-to-date as possible in a print (albeit digitally available as well) publication.

Much appreciated.

Sincerely,

Phil Wexler

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: 8 Aug 2019 14:37:48 +0000
To: Crutchman, Alise (NIH/NLM) [E]
Subject: FW: NLM Toxicology Program

For your reference, the SIS homepage (URL) will provide program updates through December, 2019.

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Thursday, August 8, 2019 10:01 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Kight, Chianti (NIH/NLM) [C] <chianti.kight@nih.gov>
Subject: RE: NLM Toxicology Program

I just gave Chianti my markup. Not a lot of suggested edits. The timing is unfortunate given where we are w/ the assimilation of SIS programs into LO. You might let Wexler know that we wish we could provide more information but that much is still in transition…as it has been for the last few months he's been asking.

Thanks
Jerry

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Thursday, August 8, 2019 8:59 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: FW: NLM Toxicology Program
Importance: High

Hi Jerry,

Will you be able to review the text below today? Thanks, Jody

_____
In June 2019, the National Institutes of Health's, National Library of Medicine's (NLM) Division of Specialized Information Services (SIS) was merged into three different areas of the Division of Library Operations.
NLM is currently reviewing and evaluating services and offerings formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. This includes Toxicology and Environmental Health Information Program (TEHIP), which will be re-imagined over time. NLM is evaluating how to best integrate SIS offerings into more current and standard technology, for example, some of the resources from ToxNet will be included in PubMed, BookShelf and PubChem. These changes will be announced as the work is completed.

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, August 8, 2019 8:53 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>

Subject: RE: NLM Toxicology Program
Importance: High

Jody - I am being pressed by my publisher to provide the information I've been saying is forthcoming about the current status of SIS/TEHIP/TOXNET and I guess I'm just not sure what's holding up my getting this information from NLM. In the absence of any accurate details, I may just have to write a statement piecing together what I have come across on the Web and speculate, which would be a disservice to the readers of the book but better than ignoring the issue. - Phil

Sent from Mail for Windows 10

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Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

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Sent: Thursday, January 31, 2019 10:54 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

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Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Wednesday, January 30, 2019 2:52 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: NLM Toxicology Program
Importance: High

Dear Jerry:

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information resources worldwide and make it as up-to-date as possible in a print (albeit digitally available as well) publication.

Much appreciated.

Sincerely,

Phil Wexler

Sent from Mail for Windows 10

From: Crutchman, Alise (NIH/NLM) [E]
Sent: 8 Aug 2019 16:24:28 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Fisher, Allison (NIH/NLM) [E]
Subject: FW: Copy of LO Offering Criteria List.xlsx
Attachments: Copy of LO Offering Criteria List.xlsx, Copy of 07-29-2019 OCCS Mapping to LO Offering List.xlsx, OCPL Offerings and Resources 8.8.19.xlsb.xlsx

Hi Jody,

I looked over LO's final list of offerings and took a step back and reevaluated OCPL's list.

Please find the attached list for OCPL.

Just a reminder that within an offering, one or more resources can be found. Within the resource lives the more granular details, see below examples. As we gathered from our meeting last week with Mitre, they don't seem to be too concerned with those bottom tier details.

I. Offering- MedlinePlus Magazine
   a. Resource- NIH MedlinePlus Magazine Print (Business Resource)
      i. Project Management (Business resource)
      ii. Content/Development (Business resource)
      iii. Market Research/Web Analytics/Evaluation (Business Resource)

OR

II. Social Media Platforms
   a. Musings from the Mezzanine
      i. WordPress (Technical Resource)
      ii. Content Development (Business Resource)
      iii. Web Analytics/Evaluation (Business Resource)

Please let me know your thoughts! ☺

Thank you,
Alise

From: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Sent: Thursday, August 1, 2019 3:53 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Copy of LO Offering Criteria List.xlsx

Here's LO's and OCCS' lists--if it helps. You'll see that we added offerings to the OCCS list and now we'll add items from the OCCS list to ours (as resources).

And there are questionable things listed on the OCCS list that we need to review and possibly sunset—or just whack!

Make sense? Happy to chat again ☺
-D

OFFERING	Resource 1	Resource 2	Resource 3	Resource 4	Resource 5	Resource 6	Resource 7	Resource 8	Resource 9	Resource 10	Resource 11	Resource 12	Resource 13	Resource 14	Resource 15	Resource 16
AIDS Information	*AIDSinfo*	*AIDSource*														
CHEM/TOX	*ARRIS*	*Chemical Hazards Emergency Medical Management*	*ChemIDplus*	*Environmental Health Student Portal*	*Environmental Health and Toxicology Information*	*Household Products Database*	*Hazardous Substances Data Bank (HSDB)*	*Tox Town*	*Tox Tutor*	*Toxline*	*ToxMap*	*TOXNET*	*Integrated Risk Information System (IRIS)*	*International Toxicity Estimates for Risk (ITER)*	*LactMed*	*LiverTox*
Consumer Health	*MedlinePlus*	*MedlinePlus en*	*MedlinePlus Connect*	*HealthReach*	*GHR (from LHC)*											
Dietary Information	*Dietary Supplement Ingredient Database*	*Dietary Supplement Label Database*														
Disaster Information	*Disaster Information Management Research Center (DIMRC) website*	*Wireless Information System for Emergency Responders (WISER)*	*Disaster Lit: Database for Disaster Medicine and Public Health*	*NIH Disaster Research Response Program (DR2)*	*Radiation Emergency Medical Management (REMM)*											
Drug Information	*Drug Information Portal*	*PillBox*	*Substance Registration System*													
Historical Web Curated Content	*Directories (DHMC & HAC)*	*FDA NLI*	*Profiles in Science*	*Medicine on Screen*	*Online Exhibitions*	*Circulating Now*	*Local Legends*									
HSR Information Services	*PNPartners.org*	*HSRIC*	*HSRProj*	*HSRR*												
Library Services	*LocatorPlus*	*Voyager*	*HMD Finding Aids*	*IndexCat*	*DOCLINE*	*Journal Donation*	*LSTRC Publisher Web Form*	*SFX*	*EAI*							
MEDLINE/PUBMED	*LinkOut for Libraries*	*NMS*	*NMS Batch*													
NLM Collection (Physical, Electronic, &	*NLM Digital Collections*	*ERMS*	*GIS*	*NLM Classification*												
NLM Main Web	*NLM Products and Services Directory*	*Data Discovery (from SIS)*	*Intl Programs*	*Information Rx*												
Outreach & Training	*NNLM Web Resources*	*Learning Resource*	*Social Media*													
Terminologies	*MeSH RDF*	*MeSH Vocabulary*	*ReNorm*	*SNOMED CT & NTSDO*	*UMLS*	*VSAC*	*CDE Repository*	*DailyMed*								

Submitted offerings/resources:

Loansome Doc
LIS main website
American Indian Health
Arctic Health
Tox Mystery
DocMap
HealthLit

OFFERING	External customer-facing	Core to NLM mission	Combines a group of complementary capabilities/ functionalities	Grouped offerings serve similar or related constituencies	Name or "brand" recognition	Specific policy mandates	*IF CRITERIA DO NOT APPLY, IS IT A RESOURCE?*
AIDS Information	X		X	X			
CHEM/TOX	X	X	X	X	X	X	
Consumer Health	X	X	X	X			
Dietary Information	X		X	X			
Disaster Information	X		X	X			
Drug Information	X		X	X			
Historical Web Curated Content	X	X	X	X	X		
HSR Information Services	X		X	X		X	
Library Services	X	X	X	X	X		
MEDLINE/PUBMED	X	X			X		
NLM Collection (Physical, Electronic, & Metadata)	X	X	X	X	X		
NLM Main Web	X	X	X	X	X		
Outreach & Training	X	X	X	X			
Terminologies	X	X	X	X	X	X	

NLM Offerings	Resource Name	Resource Description	Resource Owner	Resource Owner's Email	Branch/Section	Access	Website URLs	Resource Criticality	Comments
AccessGUDID (OCCS Offering)	AccessGUDID	The Global Unique Device Identification Database (GUDID) contains key device identification information submitted to the FDA about medical devices that have Unique Device Identifiers (UDI).	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	External	https://accessgudid.nlm.nih.gov	Mission Critical	
AccessGUDID	AccessGUDID Batch	Batch Process for GUDIDThe Global Unique Device Identification Database (GUDID) contains key device identification information submitted to the FDA about medical devices that have Unique Device Identifiers (UDI).	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A	Against The Odds **(LO Offering: Historical Web Curated Content)**	The National Library of Medicine has launched a six-banner traveling exhibition that tells many stories about the revolution in global health that is taking place in villages and towns around the world.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://apps.nlm.nih.gov/againsttheodds/index.cfm	Mission Critical	
N/A	ChemIDPlus (LO Offering: Chem/TOX)	The ChemIDplus database is a public web-based search system that provides access to structure and nomenclature to identify chemicals cited in the National Library of Medicine (NLM) databases and in other major government databases. The database contains over 420,000 chemical records of which over 335,000 include chemical structures.	Chandra Kola	kolac@nih.gov	EHISS	External	https://chem.nlm.nih.gov/chemidplus/	Mission Critical	
N/A	Changing the Face of Medicine **(LO Offering: Historical Web Curated Content)**	Asset tracking/management database for the exhibition program of HMD at NLM.	Winston Churchill	churchw@mail.nlm.nih.gov	ETLSS	External	http://www.nlm.nih.gov/changingthefaceofmedicine	Mission Critical	
NLM Classification	Classification Editor **(LO Offering- NLM Collection (Physical, Electronic, Metadata)**	Ever year TSD needs to renew category numbers. This application allows TSD to print out new labels and generate HTML pages and PDF files. Pages and files are loaded on the NLM Main Web.All the Classification are static pages/files, but the data is edited by the Editor.TSD needs to renew the HTML and PDF files annually, and the HTML and PDFs are generated from Editor.Terms from MeSH are indexed and scheduled at https://www.nlm.nih.gov/class/ (outline of index of)Classification of Medical terms (Pathology, Clinical Pathology, etc)	Tracy Pan	pantr@mail.nlm.nih.gov	ETLSS	Internal	http://wwwsvlt.nlm.nih.gov/class/ClassEditLogon.jsp	Mission Operational	
N/A (OCCS)	CMDB App	Provides a user-friendly interface to browse through the services that are provided by the NLM ITSM team. In addition, it allows service owners to make changes to a service and users to suggest changes to a service.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	Internal	http://itservices.nlm.nih.gov	Mission Related	
CDE Repository	Common Data Elements (**LO Offering: Terminologies**)	The NIH Common Data Elements (CDE) Repository has been designed to provide access to structured human and machine-readable definitions of data elements that have been recommended or required by NIH Institutes and Centers and other organizations for use in research and for other purposes. Visit the NIH CDE Resource Portal for contextual information about the repositoryData Element (DE) - Information that describes a piece of data to be collected in a study	Christophe Ludet	christophe.ludet@nih.gov	MLB	External	https://cde.nlm.nih.gov	Mission Related	
N/A	Conservation Tracking DB **(LO Offering: Historical Web Curated Content)**	The NLM conservation staff uses the conservation database to record multiple tasks into one database. Multiple tasks include multiple treatment methods and conditions, such as survey, lab work, media, photography, conditions, previous/proposed treatments, housing, exhibition etc. And they need to record a lot of very detailed information of an item conservation. For example for media that may record color, print media, drawing, painting and conditions, for lab work may record date/time, location, conservator, approved by, completed date, using time, processing status etc. The current database allows conservators to input treatment and condition reports which provides a comprehensive and automated method for documenting their work. Current database features: 1. Store treatment reports, condition reports, surveys, and housing (storage) both current and past - for paper-based objects including flat paper manuscripts and art-on-paper, photographs, and bound materials2. Track collection items exhibition history3. Monitor progress of conservation treatment4. Linked to and searchable through Voyager	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	Internal	https://wwwcf.nlm.nih.gov/internal/conservt/login.cfm	Mission Operational	
DailyMed	DailyMed (**LO Offering: Terminologies**)	Daily Med is a website operated by the U.S. National Library of Medicine (NLM) to publish up-to-date and accurate drug labels (also called a "package insert") to health care providers and the general public. The contents of DailyMed is provided and updated daily by the U.S. Food and Drug Administration (FDA). The FDA in turn collects this information from the pharmaceutical industry.	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	External	https://dailymed.nlm.nih.gov/dailymed/	Mission Critical	
DailyMed	DailyMed Batch **(LO Offering: Terminologies)**	Batch Process for Daily Med.Daily Med is a website operated by the U.S. National Library of Medicine (NLM) to publish up-to-date and accurate drug labels (also called a "package insert") to health care providers and the general public. The contents of DailyMed is provided and updated daily by the U.S. Food and Drug Administration (FDA). The FDA in turn collects this information from the pharmaceutical industry.	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A (OCCS)	Database Password Manager	Manages and provides Database passwords for applications and users.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	Internal	https://dbp.nlm.nih.gov	Mission Critical	
N/A	DBMaint (LO Offering: Drug Information)	This is the application used to add and edit substance data. It is the only one of the old apps that connects to a database.	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	External	N/A	Mission Related	
NLM Digital Collections	Digital Collections **(LO Offering: NLM Collection (Physical, Electronic, & Metadata))**	Digital Collections is the National Library of Medicine's free online resource of biomedical books and still and moving images. All of the content in Digital Collections is freely available worldwide and, unless otherwise indicated, in the public domain. Digital Collections provides unique access to NLM's rich resources	Doron Shalvi	doron.shalvi@nih.gov	EHISS	External	http://collections.nlm.nih.gov	Mission Critical	
HMD Web Curated Content	Digital Gallery (**LO Offering: Historical Web Curated Content**)	The Digital Gallery explores different topics to discover how images of nurses and nursing are informed by cultural values.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://apps.nlm.nih.gov/exhibition/digitalgallery/index.cfm	Mission Critical	
N/A	Digital Library Extension (LO Offering: Library services)	The NLM History of Medicine Division (HMD) offers a finding aids search and delivery platform based on the University of Michigan's DLXS (Digital Library Extension Service) software. DLXS supports encoded text collections, digital image collection, bibliographic data and EAD2002-encoded finding aids. NLM patrons can search and browse the content of over 190 existing EAD (Encoded Archival Description) encoded collection guides.NLM is currently using the latest version of the DLXS (version 14). DLXS requires XPAT (SGML/XML-aware search engine), MySQL database, Apache Web server, and Perl. [oculus.nlm.nih.gov - Archives and Modern Manuscripts Finding Aids]	Eric Kamal	kamale@mail.nlm.nih.gov	ETLSS	External	http://oculus.nlm.nih.gov/cgi/f/findaid/findaid-idx?c=nlmfindaid	Mission Operational	
N/A	Digital Preservation (Lo Offering: NLM Collection)	Preservation of digital content not covered by PubMedCentral and the NIH CIT Videocast project.	Doron Shalvi	doron.shalvi@nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A (NLM Internal App)	Digital Signage	A Digital display of the NIH shuttle, on route, in real time.Covers the maintenance of the following systems:Shuttle display Monitor wall - near the stairs Systems in the cafeteria	Dianna Adams	adamsdl@mail.nlm.nih.gov	DSS	Internal	N/A	Mission Related	

DOCLINE	DOCLINE **(LO offering: Library Services)**	DOCLINE is the National Library of Medicine's automated interlibrary loan (ILL) request routing and referral system. The purpose of the system is to provide efficient document delivery service among libraries in the National Network of Libraries of Medicine (NN/LM).	Joseph Schechter	joseph.schechter@nih.gov	EHISS	External	https://www.docline.gov	Mission Critical	
DOCLINE	DOCLINE Batch **(LO offering: Library Services)**	Batch processes connected with Docline - DOCLINE is the National Library of Medicine's automated interlibrary loan (ILL) request routing and referral system. The purpose of the system is to provide efficient document delivery service among libraries in the National Network of Libraries of Medicine (NN/LM).	Joseph Schechter	joseph.schechter@nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A	Drug Information Portal (LO Offering: Drug Information)	The NLM Drug Information Portal gives users a gateway to selected drug information from the National Library of Medicine and other key government agencies.	Chandra Kola	kolac@nih.gov	EHISS	External	https://druginfo.nlm.nih.gov/drugportal/	MIssion Critical	
N/A	Emergency Access Initiative (LO Offering: Library Services)	The Emergency Access Initiative (EAI) is a partnership of the National Library of Medicine, the National Network of Libraries of Medicine, and the Professional/Scholarly Publishing Division of the Association of American Publishers. EAI provides free access to full text articles from major biomedicine titles to healthcare professionals, librarians, and the public in the United States affected by disasters. Users in the United States affected by a disaster can request access to free full text articles by calling 1-800-338-7657 or contacting your local medical library.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://eai.nlm.nih.gov	Mission Critical	
N/A	Encoded Archival Description (LO Offerings: Library Services)	EAD stands for Encoded Archival Description, and is the non-proprietary, international standard for the encoding of finding aids for use in a networked (online) environment. Finding aids are inventories, indexes, or guides that are created by archival and manuscript repositories to provide detailed information about specific collections, their creators, context, and detailed contents lists. Developed by the EAD Working Group of the Society of American Archivists and first published in 1998, EAD is an Extensible Markup Language (XML) format used by archivists around the globe. The development of EAD made it possible to create electronic finding aids within a specifically archival data structure compliant with General International Standard Archival Description (ISAD(G)).The application site has the ability to create and view EAD collections of archival materials. A created EAD collection may be viewed on the site or downloaded. Collections are created via a multipart form. Upon form submission, the software transforms the input data into XML. Collections may be viewed, edited or downloaded via a sortable datatable on the index page. The site features user login by password. There are two levels of accounts admin, and user.The site is a .net Windows Forms application. It stores the data in an Oracle database. There is a dev and production environment of the software and database. dev HMD EAD dev location prod HMD EAD prod location Stash EAD HMD source control of application	Jeremy Markowitz	markowitzjj@mail.nlm.nih.gov	ELTSS	External	https://ead.nlm.nih.gov	Mission Related	
N/A	Ending the Document Game (where is this linked from? does this get any usage? What a hanging chad!) (LO Offering: HSR Information Services)	The Commission on Systemic Interoperability was authorized by the Medicare Modernization Act and established by the Secretary of Health and Human Services. Its members were appointed by the President of the United States of America and the leaders of the 108th United States Congress, and it held its first meeting on January 10, 2005.The Commission was charged with developing a strategy to make healthcare information instantly accessible at all times, by consumers and their healthcare providers. On October 25, 2005, the Commission released its report, Ending the Document Game: Connecting and Transforming Your Healthcare Through Information Technology, to the United States Congress, the Administration, and the American public	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	https://endingthedocumentgame.gov	Mission Critical	
NLM Products and Services Directory	Eresources **(Lo Offering: NLM Main Web)**	The public NLM Products and Services provides one place to easily identify available NLM electronic resources including datasets, biomedical databases. A separate, internal Eresources administration system allows MEDLARS Management Section (MMS) staff to manage the growing number of resources NLM offers and keep the public database up to date.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://eresources.nlm.nih.gov/nlm_eresources/	Mission Critical	
NLM Products and Services Directory	Eresources Admin **(Lo Offering: NLM Main Web)**	Eresources Administration system allows MEDLARS Management Section (MMS) staff to manage the growing number of resources NLM offers and keep the public database up to date.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	Internal	https://eresources.nlm.nih.gov/nlm_eresources/	Mission Critical	
N/A	Exhibit Asset Manager (LO Offering: Historical Web Curated Content)	Asset tracking/management database for the exhibition program of HMD at NLM.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	Internal	http://wwwcf.nlm.nih.gov/internal/eam/ExhibitManager/bin-release/index.cfm	Mission Operational	
N/A	Flash Media Streaming (LO Offering: NLM Main Web)	fmss.nlm.nih.gov - Streams videos for NLM public websites, such as NIH Senior Health	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://fmss.nlm.nih.gov	Mission Critical	
N/A	Health Topic Web Services (LO Offering Consumer Health)	Web service that provides external developers XML files based on Health Topic Searches in MedlinePlus	Tracy Pan	pantr@mail.nlm.nih.gov	ETLSS	External	https://wsearch.nlm.nih.gov/ws/query?db=healthTopics	Mission Critical	
N/A (OCCS Offering)	High-Risk Countries List	Lists all high risk countries managed by OCIO and ORS. One of the applications created because of the HHS memo on carrying Government Furnished Equipment on Foreign Travel.	Dasith Silva	dasith.silva@nih.gov	ETLSS	NIH-Wide	https://highriskcountries.nih.gov	Mission Critical	
HMD DHMC	HMD Directory (DHMC) **(LO Offering: Historical Web Curated Content)**	Directory of History of Medicine Collections. The HMD Directory database serves as a resource to provide information about the history of health sciences collections worldwide. Institutions submit their collections online and their collections entry are reviewed/updated/approved by HMD staff for inclusion in the Directory of History of Medicine Collections database as well as the printed edition of the Directory.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://hmddirectory.nlm.nih.gov/	Mission Related	
HMD DHMC	HMD Directory Admin (DHMC) **(LO Offering: Historical Web Curated Content)**	Web application to manage HMD Collections; information which includes approving/disapproving collections, adding data, etc.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://hmddirectory.nlm.nih.gov/	Mission Related	
HMD DHMC	HMD Maps (LO Offering: Historical Web Curated Content)	Unified service for all HMD maps.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	External	https://geoapps.nlm.nih.gov/hmd/hmfac	Mission Related	
HSRProj	HSRProject **(LO Offering: HSR Information Services)**	HSRProj is a searchable database providing access to ongoing grants and contracts in health services research. It provides access to information about health services research in progress before results are available in a published form. For example searching for asthma will display all current projects working in asthma research. The projects are performed by performing organizations and supporting organizations. The data is collected by UNC at Chapel Hill and sent to NLM NICHSR team in XML format.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/hsr_project/home_proj.cfm	Mission Critical	

HSRR	HSRR **(LO Offering: HSR Information Services)**	HSRR is a searchable database of information about research datasets, instruments/indices and software. The database includes brief descriptions of research resources and links to PubMed.HSRR is a searchable database for tools associated with a health topic, the results are displayed as datasets, instruments or software.Dataset. A file or group of files associated with one part of a study. Files associated with a dataset might include a datafile, a machine- readable codebook, SPSS control cards, and other files related to the datafile. Examples: The files associated with California might be considered one dataset in the 1990 Census of Population and Housing STF 1A study; the files associated with the First Congress, House of Representatives, in the study "Congressional Roll Call Voting Records."Instruments/Indices DefinitionMeasurement is the process of specifying and operationalizing a given concept. A research instrument contains the operational definitions of all measures related to the research and is primarily used to collect data. When a research instrument contains only questions and statements to be answered by respondents, it is called a questionnaire. from Shi L. Health services research methods. New York: Delmar; 1997. 410 p.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	External	http://hsrr.nlm.nih.gov	Mission Critical	
N/A (OCCS Offering)	HTTPS Compliance Dashboard	Provides information on NIH Domain and their HTTPS compliance	Soma Lanka	lankas@mail.nlm.nih.gov	ELTSS	NIH-Wide	https://https.nlm.nih.gov	Mission Related	
N/A	Image Interoperability Framework (IIIF) API **(LO Offering: NLM Collection (Physical, Electronic, & Metadata))**	This is Loris, an image server that implements the IIIF Image API Level 2. See <http://iiif.io/api/image/2.0/> for details and <https://github.com/loris-imageserver/loris> for the source code and implementation details.	Doron Shalvi	doron.shalvi@nih.gov	EHISS	External	https://iiif.nlm.nih.gov	Mission Critical	
N/A	IMS (LO Offering: MEDLINE/PubMed)	Created at NLM for Indexing and database maintenance. Available where ever there is Internet access. Interacts with MeSH and PubMed. Allows for module integration, such as Medical Text Indexing and Gene Indexing.Data = Serials (the journals that are in Medline) and MeSH (Medit) authority for MeSH Terms and Citations from Publishers, OCR and OldMedline.MTi is a tool that helps by suggesting MeSH terms to journal citations to Indexers.Publisher data comes from PubMed. OCR/OldMedline data will come from PubMed instead fo separate feeds (like OldMedline).	John Rozier	rozierj@mail.nlm.nih.gov	EHISS	External	https://ims.nlm.nih.gov	Mission Critical	
N/A	IMS Batch (LO Offering: MEDLINE/PubMed)	Created at NLM for Indexing and database maintenance.Loads NCBI publisher XML into IMS. Export Medline citations.Loads MTI Automated indexing.	John Rozier	rozierj@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Related	
IndexCat	IndexCAT **(LO Offering: Library Services)**	IndexCat provides access to the digitized version of the printed Index-Catalogue of the Library of the Surgeon General's Office; eTK for medieval Latin texts; and eVK2 for medieval English texts; along with links to other selected NLM resources.	Tracy Pan	pantr@mail.nlm.nih.gov	ETLSS	External	http://indexcat.nlm.nih.gov	Mission Operational	
N/A	Information Rx (LO Offering: Consumer Health)	NLMInformation Rx website is a free and easy way to refer people to trustworthy consumer health Web sites produced by the National Library of Medicine.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://informationrx.org	Mission Critical	
N/A	International Programs (LO Offering NLM Main Web)	Static map displaying African Journal Partnership programs in Africa.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	External	https://geoapps.nlm.nih.gov/services/international-programs/	Mission Related	
N/A (NLM Internal App)	Inventory Control System	The Office of Administration and Management Analysis (OAMAS) at the National Library of Medicine is responsible for warehousing and providing supplies to all library divisions. The operation entails receiving supply orders from designated library staff, known as customers, placing orders to vendors, maintaining inventories in the warehouse, filling orders as they are received from customers, and keeping records for billing, tracking backorders, and other managerial functions. The Inventory Control System is designed to improve OAMAS service to NLM by providing a user-friendly ordering mechanism, enabling managers to more closely track supply receipts from vendors and deliveries to customers, reducing the number of backlog orders, and shortening the backlogs.	Tony Luu	luul@mail.nlm.nih.gov	EHISS	Internal	wwwcf2.nlm.nih.gov/internal/inventory/customer/cwelcome.cfm	Mission Operational	
Journal Donation	Journal Donation **(LO offering: Library Services)**	The National Library of Medicine welcomes donations of print journal volumes that are missing from our collection. The Journal Donation system enables users to find out which volumes are needed and what they can donate.Relations with SERIAL, HOLDINGS.Journal Donations is based on the JDONATE database; they are journals donated to the NLM by other libraries.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/jdonate/index.cfm,Jdonate	Mission Related	
N/A	Learning Resources **(LO Offering: Outreach & Training)**	The learning resources project provides a way for authors to have a central metadata repository for the tutorials that they have created. There is an internal-facing web application where authors create metadata about their learning resource, and the repository can be queried to create public-facing views of certain product categories, such as LinkOut, UMLS, etc.Project Benefits:The repository allows a single point to manage metadata around training resources, and provides flexible categorization and metadata management. Authors will be able to look at a given training resource, and know all the places where it "lives" on NLM's website.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	External	N/A	Mission Related	
N/A	LinkChecker Batch **(since it is database to find broken links for PHPartners & HSRR, HSRProject, then, LO Offering: HSR Information Services)**	LinkChecker is a Java program that checks databases PHPartners, HSRR, and HSRProjects to make sure all links are not broken.LinkChecker is a type of health check designed to remove dead links in the database.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Related	
N/A (NLM Internal App)	Loading Dock	A system to document what is delivered to BLDG38A / OAMAS loading dock such as PCs, Laptops, Tablets, Cell Phones or any electronic devices. Those are accountable pieces of property receive a decal number before they are shipped to the users. Often receiving in the NBS system is not done in a timely fashion and the decal worksheet in NBS is not available to document the decal number associated with each piece of accountable property. As such, OAMAS needs means of documenting the decals associated with each piece of property shipped to users. Thus, Loading Dock system document the delivery to the end user and capture their ID badge information. This will be time stamped will indicate that OAMAS is no longer responsible for the item(s).	Tony Luu	luul@mail.nlm.nih.gov	EHISS	Internal	wwwcf2.nlm.nih.gov/internal/inventory/loadingdock/allmodules.cfm	Mission Operational	
Loansome Doc	Loansome Doc **(LO Offering: Sunsetted)**	Loansome Doc is NLM's application to enable a library patron to order articles from a list of citations retrieved from PubMed or the NLM Gateway by sending requests to their library	Joseph Schechter	joseph.schechter@nih.gov	EHISS	External	https://docline.gov/loansome/login.cfm	Mission Critical	Will be retired 7/1/2019

N/A	Local Legends (LO Offering: Historical Web Curated Content)	Local Legends is a partnership of the National Institutes of Healths National Library of Medicine (NLM), the NIH Office of Womens Health Research (OWHR), and the American Medical Womens Association (AMWA). On behalf of the partners, the AMWA annually calls upon the Congress to nominate outstanding women physicians from their state or district who have demonstrated commitment, originality, innovation, or creativity in her field of medicine. Local Legends is a companion gallery to NLMs Changing the Face of Medicine: Celebrating Americas Women Physicians exhibition on the campus of the National Institutes of Health in Bethesda, MD. The gallery spotlights these women physicians their lives, their achievements, their dreams, and the challenges they faced in becoming physicians. The exhibition, including the Local Legends gallery web site, will travel to cities across the country beginning in spring, 2005. In February 2004, those women physicians nominated by their Congressional representative to be Local Legends were announced at the American Medical Womens Association annual conference in San Diego, CA. These women are profiled in this web site. The AMWA has continued the Local Legends project providing the Congress with the opportunity to again nominate and recognize outstanding women physicians from their district or state to be featured in the exhibition since it began to travel throughout the United States in spring, 2005.	Winston Churchill	churchw@mail.nlm.nih.gov	ETLSS	External	http://www.nlm.nih.gov/locallegends	Mission Related	
LocatorPlus	LocatorPlus **(LO Offering: Library Services)**	The set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	External	http://locatorplus.gov	Mission Critical	
LSTRC Publisher Web Form	LSTRC Admin **(LO Offering: Library Services)**	Literature Selection Technical Review Committee. The system records current and historical data concerning Committee review of journal titles. LSTRC is an NIH chartered advisory committee of external experts who review and recommend biomedical and health (serial) journal titles to be indexed and included in MEDLINE/PubMed. LSTRC Admin takes the journals from MEDLINE Review and assigns it to reviewers in MEDLINE Reviewer Web and checks with Serials to see if journals exist there.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/lstrc/lstrc.html	Mission Operational	
N/A (NLM Internal App)	Manuscript Clearance	Manuscript Clearance enables digital submissions of manuscripts for NLM. The solution is comprised of a .net MCV web application, oracle database with triggers, and two additional .net applications running nightly on scheduled tasks. The web site is available to anyone with a NED account, validating user logon credentials automatically. The web application allows users to submit manuscripts and stakeholders to manage the editorial workflow. Notifications are emailed at keys stages of the process, alerting users with key roles to take action and move a request to the next stage. Users may search for requests they've submitted or are charged with acting upon. A super-admin role allows other roles to be configured through the site. The website communicates to the Oracle PCWPROD database. A dev and QA environment also exists for testing/staging.An additional .net console application notify those responsible for a specific stage of the application when no action has been taken in a multiple of 10 days. Another .net console application imports NED data on a nightly basis and updates the application's user database. These components each have a source control repository.	Jeremy Markowitz	markowitzjj@mail.nlm.nih.gov	ELTSS	Internal	https://manuscriptclearance.nlm.nih.gov	Mission Critical	
MEDLINE	Medline Review **(LO Offering: Medline/PubMed)**	The MEDLINE Review Application Form provides a standardized and efficient process for journal reviews. Editors and publishers electronically complete and submit the application form with current information about their journals to help ensure that NLM has the most accurate data available for its records. The form is required for all journals submitted to NLM for inclusion in MEDLINE.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/hmddirectory/admin/index.html	Mission Operational	
MEDLINE	Medline Reviewer Web **(LO Offering: Medline/PubMed)**	The MEDLINE Reviewer Web form provides LSTRC members an interface to rate journals from MEDLINE Review that are assigned in LSTRC Admin.	Dorothy La	lad@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/lstrc/lstrcreviewer/index.html	Mission Operational	
MedlinePlus	MedlinePlus **(LO Offering: Consumer Health)**	MedlinePlus is the National Institutes of Health's Web site for patients and their families and friends. Produced by the National Library of Medicine, it brings you information about diseases, conditions, and wellness issues in language you can understand. MedlinePlus offers reliable, up-to-date health information, anytime, anywhere for free.	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	External	http://medlineplus.gov	Mission Critical	
MedlinePlus	MedlinePlus Batch **(LO Offering: Consumer Health)**	MedlinePlus Service BatchAll batch jobs for MedlinePlus. For example, nightly pages build, data clean up, data retrieval and etc...	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Related	
MedlinePlus Connect	MedlinePlus Connect **(LO Offering: Consumer Health)**	MedlinePlus Connect is a free service of the National Library of Medicine (NLM) and the National Institutes of Health (NIH). This service allows any electronic health record (EHR) system to easily link users to MedlinePlus, an authoritative up-to-date health information resource for patients, families and health care providers. MedlinePlus provides information about conditions and disorders, medications, and health and wellness.	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	External	https://apps.nlm.nih.gov/medlineplus/services/demo.html	Mission Critical	
MedlinePlus Connect	MedlinePlus Connect - Batch **(LO Offering: Consumer Health)**	Batch jobs for MedlinePlus Connect. This includes data refreshing.	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	Internal	N/A	Mission Related	
MedlinePlus Connect	MedlinePlus Connect - CMMS **(LO Offering: Consumer Health)**	Data mapping system to support M+ Connect	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	Internal	https://wwwcf.nlm.nih.gov/internal/mpcadmin/login.cfm	Mission Related	
MedlinePlus	MedlinePlus Input System **(LO Offering: Consumer Health)**	Data management system that supports MedlinePlus	Dianne Sun	sund@mail.nlm.nih.gov	EHISS	Internal	https://wwwcf.nlm.nih.gov/medplapp/ch_login.cfm	Mission Related	
MeSH Vocabulary	MeSH Browser **(LO Offering: Terminologies)**	MeSH is the National Library of Medicine's controlled vocabulary thesaurus. It consists of sets of terms naming descriptors in a hierarchical structure that permits searching at various levels of specificity.MeSH browser is the default search tool for finding keywords.	Jakub Flaska	jakub.flaska@nih.gov	MLB	External	https://www.nlm.nih.gov/mesh/MBrowser.html	Mission Operational	
MeSH Vocabulary	MeSH Editing **(LO Offering: Terminologies)**	MeSH Editor (MEdit) - is a main editing application in the Global MeSH Editing Environment to support the MeSH Section staff in their efforts to revise and update the MeSH vocabulary.	Tran Luu	luut@mail.nlm.nih.gov	MLB	External	https://medit.nlm.nih.gov	Mission Related	
MeSH Vocabulary	MeSH Medline GCMS **(LO Offering: MEDLINE/PubMed)**	wwwcf.nlm.nih.gov/internal/gcms - GLOBAL CITATION MAINTENANCE SYSTEMGlobal Citation Maintenance System is the process that allows users to submit requests to make changes in MeSH indexing of citations in PubMed. It is a process to apply any changes of MeSH records to the DCMS database.	Tran Luu	luut@mail.nlm.nih.gov	MLB	Internal	https://wwwcf2.nlm.nih.gov/internal/gcms/login.cfm	Mission Operational	

MeSH Vocabulary	MeSH Medline Year End Process **(LO Offering: MEDLINE/PubMed)**	Production environment for Year End Processing. This entry refers to the component of YEP under the purview of the Medical Languages Branch (MLB).Yearly update/review of MeSH records. For example 1000 MeSH record updates may affect a million citations.	Tran Luu	luut@mail.nlm.nih.gov	MLB	External	N/A	Mission Operational	
MeSH Vocabulary	MeSH On Demand **(LO Offering:Terminologies)**	MeSH on Demand identifies MeSH Terms in your text using the NLM Medical Text Indexer (MTI) program. After processing, MeSH on Demand returns a list of MeSH Terms relevant to your text.	Jakub Flaska	jakub.flaska@nih.gov	MLB	External	http://id.nlm.nih.gov/mesh	Mission Operational	
MeSH RDF	MeSH RDF **(LO Offering: Terminologies)**	Medical Subject Headings (MeSH) RDF is a linked data representation of the MeSH biomedical vocabulary produced by the National Library of Medicine. MeSH RDF includes a downloadable file in RDF N-Triples format, a SPARQL query editor, a SPARQL endpoint (API), and a RESTful interface for retrieving MeSH data.	Dan Davis	daniel.davis@nih.gov	ELTSS	External	http://id.nlm.nih.gov/mesh	Mission Related	
MeSH Vocabulary	MeSH Translation MTMS **(LO Offering: Terminologies) this should be sunset!**	Production environment for Medical Translation Maintenance SystemTool that allows users to translate MeSH terminology into other languages.	Tran Luu	luut@mail.nlm.nih.gov	MLB	External	https://wwwcf.nlm.nih.gov/mtms/Main/login.cfm	Mission Operational	
N/A	Native Voices Video (LO Offering: Historical Web Curated Content)	Native Voices: Native Peoples Concepts of Health and Illness explores the interconnectedness of wellness, illness, and cultural life for Native Americans, Alaska Natives, and Native Hawaiians. Visitors will discover how Native concepts of health and illness are closely tied to the concepts of community, spirit, and the land.The website includes all of the exhibitions video interviews, timeline content, and images of some objects and artifacts formerly on display	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://apps.nlm.nih.gov/nativevoices/interviews/index.cfm	Mission Critical	
N/A (OCCS Offering)	NIH Scientific Collections	In pursuant to the NIH Policy for the Management of and Access to Scientific Collections, this site provides a user interface for NIH staff to catalog scientific collections maintained and curated by NIH. Records contributed to this registry will be added to the registry of US Federal Scientific Collections (USFSC). This site is supported by the National Library of Medicine.	Chandra Kola	kolac@mail.nlm.nih.gov	EHISS	Internal	https://nihsci.nlm.nih.gov	Mission Related	
N/A	NLM Digital QA+B76	The Digital QA application implements workflows and processes to manage the digitization of textual materials that flow through the NLM digitization/scanning lab.The third party Docworks scanning platform is used to scan bound books and manuscripts which provide the upstream source of digital material to Digital QA.Quality reviewers inspect and assure scan results. Once reviewed and the QA process completed, successful scans are are sent downstream to the DigitalRepository Team.	Satyam Pakker	satyam.pakker@nih.gov	EHISS	Internal	https://wwwcf.nlm.nih.gov/internal/digitizationqa/login.cfm	Mission Critical	
NLM Main Web	NLM Main Web **(LO Offering: NLM Main Web)**	This is the website for National Library of Medicine.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	www.nlm.nih.gov	Mission Critical	
N/A (NLM Internal App)	NLM Shuttle Display	Public facing hardware/software solution which scrapes data from http://wttsshuttle.com/arrivals and wttsshuttle/livemap, then creates a user-friendly map showing the Campus and Campus Limited bus routes in realtime with a countdown until the next bus arrival. The display is located in the lobby of building 38A.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	Internal	https://geoapps.nlm.nih.gov/shuttle	Mission Operational	
N/A (NLM Internal App)	NOSC Display Maps	This is an internal system of public displays for analyzing and showcasing NLM web traffic, as well as activities and accomplishments from partner divisions. It may also include any ad-hoc or temporal map displays.	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	Internal	https://geoapps.nlm.nih.gov/nosc	Mission Related	
Outreach & Training	OERS - Outreach Evaluation and Reporting System **(LO Offering: Outreach & Training)**	The Outreach Evaluation and Reporting System will facilitate the specification and recordation of Outreach activity performed by all of NLM and NNLM. There are several planned modules of functionality, separated by role but managed within a single web application to facilitate a central data store for persistence. This will enable a powerful foundation for elevated reporting requirements to address the single largest deficiency in current Outreach Portal.	Satyam Pakker	satyam.pakker@nih.gov	EHISS	External	https://oers.nlm.nih.gov	Mission Operational	
N/A (NLM Internal App)	One NLM Dashboard	The service will provide NLM staff and management with a single repository for digital analytics performance data from each of NLMs program domains (e.g., MedlinePlus, AccessGUDID, NLM Main, etc.).	Eric Kamal	kamale@mail.nlm.nih.gov	ETLSS	Internal	https://dashboard.nlm.nih.gov	Mission Related	
Outreach & Training	Outreach - Maps **(LO Offering: Outreach & Training)**	Outreach Display Maps	Preetham Nosum	nosumv@nlm.nih.gov	ETLSS	External	https://geoapps.nlm.nih.gov/services/outreach/	Mission Related	
N/A	Profiles of Science (LO Offering: Historical Web Curated Content)	This service allows for the creation and display of exhibits for Profiles in Science, a long-standing system at NLM for decades. The legacy system was developed by LHC, and this new service is developed and hosted by OCCS. Display is public read-only. Creation is for LO only, with authN.	Doron Shalvi	shalvid@nih.gov	EHISS	External		Mission Operational	
N/A	Patron Registration (LO Offering; Library Services)	The set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	Internal	http://patronreg.nlm.nih.gov	Mission Operational	
N/A	PCM Binding Management System	The Binding Maintenance System (BMS) is used to do binding preparation or journals/monographs including downloading bib data from Voyager, entering binding requirements and notes, generating binding slips and shipping manifests via Cognos, and tracking binding shipments and status.	Tony Luu	luul@mail.nlm.nih.gov	EHISS	Internal	https://binding.nlm.nih.gov	Mission Operational	
HSRIC, PHPartners.org	PHP/HSR **(LO Offering: HSR Information Service)**	PHP/HSR Service	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/internal/phpartners_input/login.cfm	Mission Critical	
N/A	Relais **(LO Offering: Library Services)**	Automates the processing and handling of over DOCLINE requests for distribution to the Collection Access Section and the History of Medicine Division. Additionally, the system is used to automate the processing, sorting, and accounting for requests submitted by NLM's patrons using the Locatorplus System to submit requests using the Overnight Photocopy Service.	Joseph Schechter	joseph.schechter@nih.gov	EHISS	Internal	N/A	Mission Related	
RxNorm	RxNorm Editing System **(LO Offering: Terminologies)**	RxNorm provides normalized names for clinical drugs and links its names to many of the drug vocabularies commonly used in pharmacy management and drug interaction software, including those of First Databank, Micromedex, MediSpan, Gold Standard Alchemy, and Multum. By providing links between these vocabularies, RxNorm can mediate messages between systems not using the same software and vocabulary.	Cage Cheung	cage.cheung@nih.gov	MLB	Internal	https://www.nlm.nih.gov/research/umls/rxnorm/	Mission Operational	
N/A	ScanTrac (LO Offering: NLM Collection (Physical, Electronic, & Metadata)	ScanTrac, an online system to track journal titles as they are processed for PMC was launched in FY2006. The system, tracks the processing of newly accepted titles from signing of agreements to delivery of XML and donated source material. It is also used to track the quality assurance process and to pay invoices.	Joseph Schechter	joseph.schechter@nih.gov	EHISS	External	https://wwwcf.nlm.nih.gov/scantrac/index.cfm	Mission Critical	

N/A	ScanTrac Batch (LO Offering: NLM Collection (Physical, Electronic, & Metadata)	Batch Process for ScanTrac, an online system to track journal titles as they are processed for PMC was launched in FY2006. The system, tracks the processing of newly accepted titles from signing of agreements to delivery of XML and donated source material. It is also used to track the quality assurance process and to pay invoices.	Joseph Schechter	joseph.schechter@nih.gov	EHISS	Internal	N/A	Mission Critical	
N/A	Serials (LO Offering: NLM Collection (Physical, Electronic, & Metadata)	Application 1. The Serial Service - The Viewer and Database. The Viewer is a user interface that allows serial information to be retrieved for a selected journal. The user can query using a Title Abbreviation, NLM Unique ID, or ISSN. The Database holds the Serial DataApplication 2. Manage Serials Form - The Manage Serials Form is an interface that allows an authorized user to add or modify certain serials data for a selected journal.Application 3. TA/ISSN Module - The TA Module is used by MMS staff to review items which are changed in the ILS and come to the SEF affecting indexed serials. MMS reviews what is in the queue and then works with TSD when problems or concerns are found. The system works for MMS and TSD as an excellent checks and balances program to catch errors before then go out on indexed citations.Application 4. Journals - The Journals site is a list of Broad Subject Terms assigned to MEDLINE journals to describe the journal's overall scope. Links are attached to the terms that run a search in the NLM Catalog.	Tanya Rogers	rogerst@mail.nlm.nih.gov	EHISS	Internal	https://serials.nlm.nih.gov	Mission Critical	
SFX	SFX **(LO Offering: Library Services)**	SFX keeps track of NLM electrocic holdings (years and columes available to NLM of online resources); it also works as a link resolver that allows to get to full-text articles from citations in PubMed (if there is a subscription)SFX and ERMS are completely separate: ERMS stores licensing information (publishers, licensing terms, etc.), and SFX is where content is made active for users based on the licensing information.ERMS only records information about electronic formats but licensed titles that are stored in ERMS may also be available in print, ERMS doesn't track information for print. Information is tracked in Voyager/holdings. Print doesn't require licenses - NLM purchases a copy and keeps it in the stacks.Voyager has data about purchaser (payments) and issues/volumes received electronically and requires a license in order to access content, that information is stored in the ERMS.	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	External	http://sfx.nlm.nih.gov	Mission Related	
N/A	Substance Registration System (LO Offering: Drug Information)	The National Library of Medicine (NLM) and the Food and Drug Administration (FDA) have established a collaborative effort to provide an interface for Public Access to the FDA's Substance Registration System. The overall purpose of the joint FDA/USP Substance Registration System (SRS) is to support health information technology initiatives by generating unique ingredient identifiers (UNIIs) for substances in drugs, biologics, foods, and devices. The UNII is a non- proprietary, free, unique, unambiguous, non semantic, alphanumeric identifier based on a substance's molecular structure and/or descriptive information.	Chandra Kola	kolac@nih.gov	EHISS	External	https://fdasis.nlm.nih.gov/srs/	Mission Critical	
N/A (NLM Internal App)	Sunsetting	This application will be used to get approval before retiring a service offered by NLM.	Dasith Silva	dasith.silva@nih.gov	ETLSS	Internal	https://sunsetting.nlm.nih.gov	Mission Critical	
N/A	Terminology Service **(LO Offering: Terminologies)**	TS provides access to the data related to code systems (vocabularies). It hosts multiple versions of various code systems that are needed by UMLS and VSAC that in turn provide value-added service of the data. The TS provides the repository for all code systems hosted by NLM and serve the code system related data to its downstream applications.	Pishing Chiang	pishing.chiang@nih.gov	MLB	Internal	N/A	Mission Operational	
UMLS	UMLS Editing System **(LO Offering: Terminologies)**	Suite of applications that allow editors to view and edit the content	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	Internal	https://unimed2.nlm.nih.gov/jaws/jekyll.html	Mission Related	
UMLS	UMLS MEME and MidService **(LO Offering: Terminologies)**	MidService is a socket service that maps a list of logical names to values. More specifically, a mid service refers to any of the generic mid service keys that end in -jdbc or -tns that can be used to connect to a MID database.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	Internal	https://unimed2.nlm.nih.gov	Mission Related	
UMLS	UMLS Production Framework **(LO Offering: Terminologies)**	The process for creating a UMLS release. It is active between April-June and October-December every year when the UMLS release is processed. It provides a browser interface to detail the status of the production of various UMLS artifacts.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	Internal	https://unimed2.nlm.nih.gov/webapps-mrd/mrd/controller?state=ReleaseManager	Mission Related	
UMLS	UMLS Terminology Services (UTS) **(LO Offering: Terminologies)**	UMLS Terminology Services is an example of a browser that is built to show how data can be provided for UMLS Data presentation layers.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	External	https://uts.nlm.nih.gov	Mission Critical	
N/A (NLM Internal App)	URL Mapping	URL Mapping	Joe Potvin	potvind@mail.nlm.nih.gov	ETLSS	Internal	http://resource.nlm.nih.gov	Mission Critical	
UMLS	UTS Annual Report **(LO Offering: Terminologies)**	This service is active and used annually only between January and February to collect user feedback on the UTS web application. It is a COTS LimeSurvey application run on a separate server integrated with the UTS application.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	External	https://utsreport.nlm.nih.gov	Mission Critical	
UMLS	UTS APIs **(LO Offering: Terminologies)**	SOAP/REST Webservice interfaces for accessing the UTS application.	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	External	https://uts.nlm.nih.gov	Mission Critical	
UMLS	UTS CAS Login **(LO Offering: Terminologies)**	Authentication using CAS for CDE, UTS and VSAC	Priya Mathur	mpriya@mail.nlm.nih.gov	MLB	External	https://uts.nlm.nih.gov	Mission Critical	
N/A	Voyager **(LO offering: Library Services)**	This is the Voyager Prod User Service of the Voyager servicesThe Voyager set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	Internal	N/A	Mission Critical	
N/A	Voyager Counters **(LO offering: Library Services)**	Generates Voyager numbers and allows these to be cut and pasted in Voyager records. There are several types of Voyager counters and they are used by TSD and HMD.Voyager number ranges are received yearly from the Library of Congress.	Andy Harbert	harbertc@mail.nlm.nih.gov	ELTSS	Internal	N/A	Mission Related	
N/A	Voyager PROD Batch **(LO offering: Library Services)**	This is the Voyager Prod batch Service of the Voyager services.The Voyager set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	Internal	N/A	Mission Related	
N/A	Voyager Prod z3951 **(LO offering: Library Services)**	This is the Voyager Prod z3951 Service of the Voyager services.The Voyager set of services supporting LO management of Voyager content (Integrated Library System and Online Public Access Catalog). LocatorPlus is the name of the web-based version of Voyager. Applications: Voyager PROD Batch, Voyager PROD Users, Voyager PROD Z3950, LocatorPlus PROD	Ruben Salas	salasr@mail.nlm.nih.gov	SSS	Internal	N/A	Mission Related	

VSAC	VSAC **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services.	Pishing Chiang	pishing.chiang@nih.gov	MLB	External	https://vsac.nlm.nih.gov	Mission Critical	
VSAC	VSAC Admin Tool **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services. This service is the internal portal to manager user/group/role mappings.	Pishing Chiang	pishing.chiang@nih.gov	MLB	Internal	https://vsacadmin.nlm.nih.gov/auth-ui	Mission Related	
VSAC	VSAC API **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services. This service is specific for the RESTful API access for the computer programs.	Pishing Chiang	pishing.chiang@nih.gov	MLB	External	https://vsac.nlm.nih.gov	Mission Critical	
VSAC	VSAC Collaboration Tool **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services. This service provides a flexible common platform to discuss and exchange ideas related to value sets.	Pishing Chiang	pishing.chiang@nih.gov	MLB	External	https://vsaccollab.nlm.nih.gov	Mission Operational	
VSAC	VSAC FHIR **(LO Offering: Terminologies)**	The Value Set Authority Center (VSAC) is provided by the National Library of Medicine (NLM), in collaboration with the Office of the National Coordinator for Health Information Technology and the Centers for Medicare & Medicaid Services. This service is to retrieve VSAC data through RESTful API based on FHIR specification.	Pishing Chiang	pishing.chiang@nih.gov	MLB	External	https://nlm-cts.nlm.nih.gov/fhir/	Mission Related	

OFFERING	Resource 1	Resource 2	Resource 3	Resource 4	Resource 5	Resource 6	Resource 7	Resource 8	Resource 9	Resource 10	Resource 11	Resource 12	Resource 13	Resource 14	Resource 15	Resource 16
NIH MedlinePlus Magazine	*NIH MedlinePlus Magazine Print*	*NIH MedlinePlus Magazine Online*	*NIH MedlinePlus Revista*													
Social Media Platforms	*Musings from the Mezzanine*	*NLM In Focus*	*NLM Twitter*	*NLM Facebook*	*NLM YouTube*											
Outreach	*NLM Tours and Special Events*	*Exhibits*	*NLM Promotional Materials*	*Conference & Visitor Services*	*Public Inquiries*	*AHCI Fellowship*										
NLM Strategic Unified Communications	*Press/Media*	*Marketing Communications*	*Corporate Communications*	*Logo/Copyright*	*Digital Media*											
NIH FOIA Services																

From: Philip Wexler
Sent: 8 Aug 2019 18:17:25 +0000
To: Crutchman, Alise (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Nurik, Jody (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Thanks, Alise. I assume it's also okay to add the following contacts for readers wanting more information - custserv@nlm.nih.gov or 1-888-346-3656. I'll check the SIS Web page periodically and if there are any further details posted by the time I receive page proofs, I may this to the statement. The book is scheduled for February 2020 publication. - Phil

Sent from Mail for Windows 10

From: Crutchman, Alise (NIH/NLM) [E]
Sent: Thursday, August 8, 2019 10:46 AM
To: Philip Wexler
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]; Nurik, Jody (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program
Importance: High

Good morning Phil,

We have crafted language regarding the recent changes with SIS and NLM. Please see the below.

In June 2019, the National Institutes of Health's, National Library of Medicine's (NLM) Division of Specialized Information Services (SIS) was merged into the Division of Library Operations and the Office of Computer & Communications Systems. NLM is currently reviewing and evaluating services and offerings formerly offered by SIS, identifying which products support the NLM Strategic Plan and are unique offerings from NLM. This includes Toxicology and Environmental Health Information Program (TEHIP), which will be re-imagined over time. NLM is evaluating how to best integrate SIS offerings into more current and standard technology, for example, some of the resources from ToxNet will be included in PubMed, BookShelf and PubChem. These changes will be announced as the work is completed.

For your reference, the SIS homepage will provide program updates through December, 2019.

Thank you,

Alise Crutchman, MBA
Program Specialist
Office of Communications & Public Liaison
National Library of Medicine
National Institutes of Health
Direct Phone: (301) 827-6493 |Mainline Phone: (301) 496-6308 |Mobile: Personal Info
Alise.Crutchman@nih.gov

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, August 8, 2019 8:53 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: NLM Toxicology Program
Importance: High

Jody - I am being pressed by my publisher to provide the information I've been saying is forthcoming about the current status of SIS/TEHIP/TOXNET and I guess I'm just not sure what's holding up my getting this information from NLM. In the absence of any accurate details, I may just have to write a statement piecing together what I have come across on the Web and speculate, which would be a disservice to the readers of the book but better than ignoring the issue. - Phil

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, August 6, 2019 6:59 AM
To: Philip Wexler
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]; Crutchman, Alise (NIH/NLM) [E]
Subject: Re: NLM Toxicology Program

Good morning,

Thanks for checking in and apologies in the delay. Personal Info and one of my colleagues (Grace/Alise copied on this email) should be in touch by tomorrow at the latest.

Regards,
Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine, National Institutes of Health
Office phone: 301-827-7615

From: Philip Wexler <philipwexler@msn.com>
Date: Monday, August 5, 2019 at 8:33 PM
To: "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>
Cc: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>
Subject: RE: NLM Toxicology Program

Jody – I was expecting to hear from you by now. Do you have any answers yet? Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Monday, July 29, 2019 8:56 AM
To: Nurik, Jody (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program
Importance: High

Thanks very much, Jody. As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, I want to be certain that my book does not misrepresent NLM's current role in the informatics framework of the subject. I think if you review the email thread below, you will find it describing what kind of information I am looking for. Feel free, though, to let me know if you have any questions. I look forward to hearing from you soon. - Phil

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, July 29, 2019 8:07 AM
To: Philip Wexler
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program

Good morning, Mr. Wexler:

We will be back in touch this week on this and also to gather additional information as we may need to get publication clearance from HHS and NIH.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Saturday, July 27, 2019 6:54 PM
To: Philip Wexler <philipwexler@msn.com>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: NLM Toxicology Program

Phil
By way of this message, I'm putting you in contact with Jody Nurik, NLM's new communications director. She has the best overview of which resources are going where, and which are set to be retired. There are still a number of resources that are being more fully assessed, but decisions have been made about many.

Best
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Saturday, July 27, 2019 12:24 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program
Importance: High

Jerry – Would appreciate hearing any further details about SIS and its resources so as not to mislead the readers of my forthcoming book and send them on a wild goose chase after NLM tools and URLs which no longer exist or have changed. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Monday, July 15, 2019 12:52 PM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – My understanding is that SIS' Democracy location has been vacated by now. Still hoping to hear something concrete about the current organization of the Division and status/location of its digital information resources. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Tuesday, May 7, 2019 11:45 AM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – Thanks for this. Yes, please keep me posted on what's going on. I haven't gotten any copyedited chapters back from the publisher yet so hopefully there will still be time to make changes if I hear more news about SIS. And do let me know if you hear anything on Russian/Scandinavian specialists. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Friday, May 3, 2019 1:39:56 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We're still working out the transition timeline for SIS and its various toxicology resources. Staff will transition out of SIS and into other parts of NLM by the end of June. We're close to having the resource timeline figured out, but not yet ready to announce it. I know this creates some complications for you, but it's a complicated transition as you can imagine.

I'm looking into your second Q below and will get back to you w/ any additional information.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Monday, April 29, 2019 3:08 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Jerry –

Do you have any further information concerning the dissolution or transition of SIS and its toxicology information activities?

Also, would you have names and contact information for any NLM librarians who specialize in Russian and/or Scandinavian materials. I would like to ask their advice about certain foreign language materials in my book.

Thanks.

- Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, January 31, 2019 6:04 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We'll keep you posted as we make progress w/ the transition. We are reviewing individual resources and should have some updated information before your deadlines.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, January 31, 2019 10:54 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Thanks, Jerry. The deadline for getting all the chapters in is April 1, although publication deadlines are usually made to be broken. Certainly I'd like to know as soon as possible because the further in we get in the production process, i.e. copyediting and proofing, the more of a headache it is to make any changes. On the post you directed me to, I found it rather curious that no mention whatsoever is made

of SIS' toxicology activities. Also, although SIS has clearly disappeared from the organizational chart and despite a single vague occurrence of the word "toxicology" in a bulleted item, I have no inkling of where the toxicology databases will reside. So, I'd truly appreciate it if I could be apprised of the status of the toxicology information projects formerly housed in SIS as soon as you know something so I can present accurate information in my book. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, January 30, 2019 7:38 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
Thanks for contacting me. We are still working through the details of the transition, which aims to better integrate SIS Tox (and other) resources into the larger NLM data infrastructure. What is the timeline for your book? We may have more answers for you in time for publication. Most of the significant changes will be announced on Patti's blog and via other NLM communications and social media channels. Here's Patti's post from 1/2/19, which gives a general overview of the current elements of NLM reorganization: https://nlmdirector.nlm.nih.gov/2019/01/02/new-year-new-directions-for-nlm/

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Wednesday, January 30, 2019 2:52 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: NLM Toxicology Program
Importance: High

Dear Jerry:

I retired from the SIS Division just about a year ago. I was surprised to learn from a couple of former colleagues that the Division and its TEHIP (Toxicology and Environmental Health Information Program) will be somehow dissolving. The people there still seem to be somewhat confused as to what will be happening. I wrote to Patti Brennan who in turn referred me to Florence Chang but neither of them were able to give me a satisfactory answer. I subsequently wrote to Kathy Craved who just informed me of her own pending retirement and suggested I contact you. I am inquiring less out of personal curiosity about SIS than because of various publications I write and edit. It is important that I get the information right.

For example, I am trying to wrap up, as editor-in-chief, the 5th edition of my *Information Resources in Toxicology* (Elsevier). As I'm sure you can imagine, given the content, NLM, SIS, and TEHIP are mentioned and described many times in a number of the more than 120 chapters. I want to be sure that the book contains the most current information about the status of NLM's tox activities. Could you, perhaps, give me some clear-cut insight into what's being planned, plus a timetable, if there is one?

What, for example, is the proper terminology to use?, e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled. I'd like to know what's happening and how to correctly phrase it. And also, will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? Readers of the book and others will need to find the databases and know how to do so. The objective of the book is to offer a comprehensive look at toxicology information resources worldwide and make it as up-to-date as possible in a print (albeit digitally available as well) publication.

Much appreciated.

Sincerely,

Phil Wexler

Sent from Mail for Windows 10

From: Backus, Joyce (NIH/NLM) [E]
Sent: 9 Aug 2019 17:24:25 +0000
To: Carolyn Kurkowski
Subject: Fwd: Inquiry - Status of NLM Toxicology Program

-------- Original Message --------
From: "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>
Date: Tue, Aug 6, 2019, 3:54 PM
To: "Backus, Joyce (NIH/NLM) [E]" <backusj@mail.nlm.nih.gov>
Subject: RE: Inquiry - Status of NLM Toxicology Program

If it's useful, please do.

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 3:52 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: RE: Inquiry - Status of NLM Toxicology Program

I love it.
And, I think I'll use it somewhere, sometime, with your okay.

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 12:56 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: RE: Inquiry - Status of NLM Toxicology Program

In thinking about this further, I think the overall response could be:

NLM's Division of Specialized Information Services (SIS) and its products were merged into 3 different areas of the Division of Library Operations in June 2019. We are currently reviewing and evaluating the products and services formerly offered by SIS to identify which products support the NLM Strategic Plan and are unique offerings from NLM. In addition, we are seeing how best to integrate some products into more currently support technology; for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. These changes will be announced at the appropriate times. TEHIP will need to be re-imagined within NLM over time.

Of course, OCPL can modify as they see fit.
Any concerns?
David

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 12:29 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E]

<babskid@mail.nlm.nih.gov>
Subject: RE: Inquiry - Status of NLM Toxicology Program

It think your bullet responses are fine, including "TEHIP will need to be re-imagined within NLM over time."

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 10:13 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: FW: Inquiry - Status of NLM Toxicology Program
Importance: High

Joyce Dianne

Please see this request below – see the red text that Nicole has indicated.
Bert and Jeanne are quite hesitant to provide responses, and I agree with them. Though I understand why Wexler is asking for information (publication of his book), we don't a lot to respond to.

For these Reponses, here's what I can think of:

- Current organization of the Division and status/location of its digital information resources (TEHIP) –
    - Possible response: SIS staff and products were merged into 3 different areas of the Division of Library Operations: OET, PSD and BSD.
- Plans and a timetable for the organization of TEHIP –
    - I have no idea how this should be addressed, other than TEHIP will need to be re-imagined within NLM over time.

- Proper terminology to use (e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled.) *for correct phrasing in the book*

    - Suggested text: NLM's Division of Specialized Information Services and its products were merged into 3 different areas of the Division of Library Operations in June 2019. At that time, the plans for the ToxNet resources were to move them to PubMed, BookShelf and PubChem.

- Answer: Will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change?
    - Not clear about what Nicole is asking here.

We probably need to talk about this.
David

From: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Sent: Tuesday, August 6, 2019 9:50 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: FW: Inquiry - Status of NLM Toxicology Program

I think I briefed you about Phil Wexler. You should have been copied on this, and Bert and I are not the ones to provide this language.

Jeanne

From: Pertti Hakkinen <hakkinenp@mail.nlm.nih.gov>
Date: Tuesday, August 6, 2019 at 9:45 AM
To: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, Pertti Hakkinen <hakkinenp@mail.nlm.nih.gov>
Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>
Subject: Re: Inquiry - Status of NLM Toxicology Program

Why not set up a conference call with him about all of this?

Bert

Pertti (Bert) J. Hakkinen, Ph.D., F-SRA -
Bibliographic Services Division -
National Library of Medicine -
National Institutes of Health -
United States Department of Health and Human Services -
Building 38A – Room 4N401Q6
8600 Rockville Pike
Bethesda, MD 20894 - USA

Phone: 301-827-4222 -

pertti.hakkinen@nih.gov

From: "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>
Date: Tuesday, August 6, 2019 at 9:37:39 AM
To: "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>
Cc: "Middleton, Grace (NIH/NLM) [C]" <grace.middleton@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>
Subject: Inquiry - Status of NLM Toxicology Program

Hi Jeanne and Bert,

Phil Wexler contacted NLM (Jerry Sheehan and Jody Nurik) in January inquiring about the most updated information on the TEHIP (Toxicology and Environmental Health Information Program). As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, he would like to ensure that his book (see thread below) does not misrepresent NLM's current role in the informatics framework of the subject. While SIS is now closed and staff are settled in their offices, we would like to provide Phil with accurate information based on his request.

Can you please provide the following information by **COB today**:

- Current organization of the Division and status/location of its digital information resources (TEHIP)
- Plans and a timetable for the organization of TEHIP
- Proper terminology to use (e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled.) *for correct phrasing in the book*
- Answer: Will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? *Readers of the book and others will need to find the databases and know how to do so.*

Thanks, Nicole

Nicole D. Scott, MPH
National Library of Medicine | National Institutes of Health
Bethesda, MD 20894
Phone: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Philip Wexler
Sent: Monday, July 29, 2019 8:56 AM
To: Nurik, Jody (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program
Importance: High

Thanks very much, Jody. As SIS, TEHIP, and their information resources played such a dominant role in toxicology over decades, I want to be certain that my book does not misrepresent NLM's current role in the informatics framework of the subject. I think if you review the email thread below, you will find it describing what kind of information I am looking for. Feel free, though, to let me know if you have any questions. I look forward to hearing from you soon. - Phil

Sent from Mail for Windows 10

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, July 29, 2019 8:07 AM
To: Philip Wexler

Cc: Sheehan, Jerry (NIH/NLM) [E]; Middleton, Grace (NIH/NLM) [C]
Subject: RE: NLM Toxicology Program

Good morning, Mr. Wexler:

We will be back in touch this week on this and also to gather additional information as we may need to get publication clearance from HHS and NIH.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Saturday, July 27, 2019 6:54 PM
To: Philip Wexler <philipwexler@msn.com>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: NLM Toxicology Program

Phil
By way of this message, I'm putting you in contact with Jody Nurik, NLM's new communications director. She has the best overview of which resources are going where, and which are set to be retired. There are still a number of resources that are being more fully assessed, but decisions have been made about many.

Best
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Saturday, July 27, 2019 12:24 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program
Importance: High

Jerry – Would appreciate hearing any further details about SIS and its resources so as not to mislead the readers of my forthcoming book and send them on a wild goose chase after NLM tools and URLs which no longer exist or have changed. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Monday, July 15, 2019 12:52 PM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – My understanding is that SIS' Democracy location has been vacated by now. Still hoping to hear something concrete about the current organization of the Division and status/location of its digital information resources. Thanks. - Phil

Sent from Mail for Windows 10

From: Philip Wexler
Sent: Tuesday, May 7, 2019 11:45 AM
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM Toxicology Program

Jerry – Thanks for this. Yes, please keep me posted on what's going on. I haven't gotten any copyedited chapters back from the publisher yet so hopefully there will still be time to make changes if I hear more news about SIS. And do let me know if you hear anything on Russian/Scandinavian specialists. - Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Friday, May 3, 2019 1:39:56 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We're still working out the transition timeline for SIS and its various toxicology resources. Staff will transition out of SIS and into other parts of NLM by the end of June. We're close to having the resource timeline figured out, but not yet ready to announce it. I know this creates some complications for you, but it's a complicated transition as you can imagine.

I'm looking into your second Q below and will get back to you w/ any additional information.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Monday, April 29, 2019 3:08 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Jerry –

Do you have any further information concerning the dissolution or transition of SIS and its toxicology information activities?

Also, would you have names and contact information for any NLM librarians who specialize in Russian and/or Scandinavian materials. I would like to ask their advice about certain foreign language materials in my book.

Thanks.

- Phil

Sent from Mail for Windows 10

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Thursday, January 31, 2019 6:04 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
We'll keep you posted as we make progress w/ the transition. We are reviewing individual resources and should have some updated information before your deadlines.

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Thursday, January 31, 2019 10:54 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM Toxicology Program

Thanks, Jerry. The deadline for getting all the chapters in is April 1, although publication deadlines are usually made to be broken. Certainly I'd like to know as soon as possible because the further in we get in the production process, i.e. copyediting and proofing, the more of a headache it is to make any changes. On the post you directed me to, I found it rather curious that no mention whatsoever is made of SIS' toxicology activities. Also, although SIS has clearly disappeared from the organizational chart and despite a single vague occurrence of the word "toxicology" in a bulleted item, I have no inkling of where the toxicology databases will reside. So, I'd truly appreciate it if I could be apprised of the status of the toxicology information projects formerly housed in SIS as soon as you know something so I can present accurate information in my book. - Phil

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From: Sheehan, Jerry (NIH/NLM) [E]
Sent: Wednesday, January 30, 2019 7:38 PM
To: Philip Wexler
Subject: RE: NLM Toxicology Program

Phil,
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https://nlmdirector.nlm.nih.gov/2019/01/02/new-year-new-directions-for-nlm/

Best,
Jerry

From: Philip Wexler <philipwexler@msn.com>
Sent: Wednesday, January 30, 2019 2:52 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: NLM Toxicology Program
Importance: High

Dear Jerry:

I retired from the SIS Division just about a year ago. I was surprised to learn from a couple of former colleagues that the Division and its TEHIP (Toxicology and Environmental Health Information Program) will be somehow dissolving. The people there still seem to be somewhat confused as to what will be happening. I wrote to Patti Brennan who in turn referred me to Florence Chang but neither of them were able to give me a satisfactory answer. I subsequently wrote to Kathy Craved who just informed me of her own pending retirement and suggested I contact you. I am inquiring less out of personal curiosity about SIS than because of various publications I write and edit. It is important that I get the information right.

For example, I am trying to wrap up, as editor-in-chief, the 5th edition of my *Information Resources in Toxicology* (Elsevier). As I'm sure you can imagine, given the content, NLM, SIS, and TEHIP are mentioned and described many times in a number of the more than 120 chapters. I want to be sure that the book contains the most current information about the status of NLM's tox activities. Could you, perhaps, give me some clear-cut insight into what's being planned, plus a timetable, if there is one? What, for example, is the proper terminology to use?, e.g. NLM's SIS Division and its TEHIP program were dissolved as of _____ *or* merged with _____ *or* dismantled. I'd like to know what's happening and how to correctly phrase it. And also, will the databases continue to exist and be updated, but via other NLM Divisions? Will URLs change? Readers of the book and others will need to find the databases and know how to do so. The objective of the book is to offer a comprehensive look at toxicology information resources worldwide and make it as up-to-date as possible in a print (albeit digitally available as well) publication.

Much appreciated.

Sincerely,

Phil Wexler

Sent from Mail for Windows 10

From: Backus, Joyce (NIH/NLM) [E]
Sent: 12 Aug 2019 14:02:08 +0000
To: Goshorn, Jeanne (NIH/NLM) [E]
Cc: Gillikin, David (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Subject: RE: NAS study of toxnet

Thanks, Jeanne. I was mostly curious as the executive summary seemed to show that some of the recommendations are still relevant 21 years later. I don't think you need to spend a lot of time, but we could refer to it as a recommendation that we're continuing to follow, since these NAS reports are so authoritative.

The closing lines are compelling, "The committee hopes that NLM will take advantage of this opportunity to broaden its outreach and training efforts. At the same time, it is hoped that the search interface will continue to evolve and that NLM will continue to integrate the TOXNET information into its overall Web site and its plans for the future."

We're doing that integration now.

Joyce

From: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Sent: Saturday, August 10, 2019 12:58 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: Re: NAS study of toxnet

Joyce and David,
I do not believe there was a written response to the report but we did use what was in it to guide some of the redesign of TOXNET. A key recommendation in it (....one potential goal may be to provide a single entry point for searching all of the NLM databases.) seems like the start of One NLM.

Personal Info I think I actually have a copy in am unpacked box 😀 but the Bookshelf version is really convenient.

Jeanne

Get Outlook for iOS

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Friday, August 9, 2019 4:16:46 PM
To: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: NAS study of toxnet

Jeanne,
Do you know if there was a written response to this report or recommendations followed?
https://www.ncbi.nlm.nih.gov/books/NBK45165/

Seems like some of the recommendations may still be opportunities today. Seems like it might be another good reason to sunset/transition, that we were not able to implement the recommendations, if that's the case.

Joyce

From: Gillikin, David (NIH/NLM) [E]
Sent: 12 Aug 2019 15:47:10 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Subject: Discussion topics for LO BSD meeting, 3:00, 8/12

Joyce, Dianne
Here are the discussion topics for our meeting today at 3:00.
Jeanne is on leave this week.
David

1. Sunset Team
    - Setting up team to deal with Sunset plans and actual process needed to get work done
    - Team: Jeanne (lead), David Hale, Bert, Colette, Rex
        - Colette is needed for she's been developing much of the documentation previously and has been heavily involved in the ToxNet transition work. Hopefully her involvement should decrease over time.
    - Team should also work on the ToxNet NCBI integration and ChemID PubChem integration, for both are tied to sunset activities.
    - First meeting next week for Jeanne and Rex are on leave this week.
    - Will need to contact OCPL once the team gets started.
    - Need actions on Haz-Map, Dermal, and ITER.

2. Haz-Map
    - Have found the actual license, and NLM does not have any rights to the data.
    - At this point, it appears that the Contracts Office has not contacted the vendor yet.
    - Short term – will try to keep the site up through late September to give users warning
    - This could generate emails to ADLO and the Director's office.

3. David Hale – manuscript submitted for NLM review – about the importance of pill images
    - Written with 2 other people, one from Duke and Stanford.

4. Contracts
    - RxNorm editing contract – Sent email to Dianne and Dave Andrews today. Contract has been sitting in Small Business Administration for a month (since July 16).
    - HSDB contracts
        - The first contract re-competition is near completion. Technical questions were responded to and not additional concerns were voiced.
        - The second contract re-competition – Technical review meeting this Wednesday.

5. Disclosure Symposium Working Group on Uniform Disclosure Criteria and Process (Working Group II).
    - Invitation to attend, though NLM has no direct role in this.
    - Follow up from Spring 2019 meeting in DC.

6. HR Actions

- Heath Program Specialist update – No update from HR about the 14 and 13 PDs.

From: Gillikin, David (NIH/NLM) [E]
Sent: 13 Aug 2019 13:41:07 +0000
To: Babski, Dianne (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E]
Subject: RE: Haz-Map

Dianne
That I understand.
But contract related actions, such as telling a vendor that an option year will not be exercised would seem to be the responsibility of the contracting officer. Or is that simply convention and not a requirement?
David

From: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Sent: Tuesday, August 13, 2019 9:39 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: RE: Haz-Map

David,

Bert (COR) doesn't have the authority to negotiate terms of a contract. Only the contracting officer.

-Dianne

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Tuesday, August 13, 2019 8:54 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: FW: Haz-Map

Joyce, Dianne

FYI. Bert is the one who called the Haz-Map vendor to say the contract option year was not being exercised. I don't yet know if Bert volunteered to do this or if he was asked. I think it was not appropriate for this to happen, but if you know otherwise, please let me know.

Thanks
David

From: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Sent: Monday, August 12, 2019 4:43 PM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Hope, Robin (NIH/NLM) [E] <robin.hope@nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: Haz-Map

David, Robin just called me. I will call Dr. Brown and tell him that we're not renewing this resource. The contract expired on July 31st.

Bert

From: Hakkinen, Pertti (NIH/NLM) [E]
Sent: Monday, August 12, 2019 4:31 PM
To: Pertti Hakkinen <pertti.hakkinen@nih.gov>; Hope, Robin (NIH/NLM) [E] <Robin.Hope@nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: FW: Haz-Map

Robin, I think that you and others in Contracts have been in the LO (and former SIS) communications regarding the decisions to sunset certain resources. The main one of current interest for me is Haz-Map. Is someone from Contracts going to contacting Dr. Jay Brown about not renewing the agreement that ended on 7/31/19? I've been holding-off on communications with Dr. Brown until I know that he's been told this.

Thanks as usual for the help.

Bert

From: Jay Brown <brownjay95@hotmail.com>
Sent: Monday, August 12, 2019 3:36 PM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: FW: Haz-Map

Bert,
I just got this email from Matt Timberlake. He runs Toxplanet, and Haz-Map used to be a part of his collection. Can you help me to answer his question? All I know is that Florence said that Haz-Map will be moved to a new server, and it was hoped (by NIH I assume) that all databases would become available for free, i.e., the Microsoft Access tables and relationships of Haz-Map. I was supposed to hear from Enterprise Health early last month about the contract, but I haven't heard anything yet. Thanks.
Jay

From: Matthias Timberlake <mtimberlake@toxplanet.com>
Sent: Monday, August 12, 2019 11:55:20 AM
To: Jay Brown <brownjay95@hotmail.com>
Subject: Haz-Map

Jay:

I hope all is well.

As you probably know, TOXNET is going away, dormant collections will disappear, and active collections will find a new home. For example, HSDB will be appear within a PubChem record and LactMed will exist in PubMed. Do you know what you will be doing with Haz-Map?

Matt

From: Carolyn Kurowski
Sent: 13 Aug 2019 14:07:09 +0000
To: Dunn, Kathel (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Ma, Wei (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Cc: Bryanne Reynolds;sandy.becker@me.com
Subject: Steering Group meeting 8/14
Attachments: Offerings Status 2019 0809.docx, Steering Group Meeting Notes 2019 0809 FMP.docx, Supervisor Employee Dialogue Check-In Conversation .docx

Good morning everyone,

Thank you all for a very productive meeting last week. We have three topics for this week's meeting:

1. Detailed Steering group notes, we have a summary of the notes from last week's very productive session. We have added proposed action owners and timeline based on the discussion. Please review and be prepared to provide feedback.
2. Status of PD updates/revisions and proposed communication activities;
3. Supervisor check in job aid; a follow up job aid supervisors can use to check in with staff about organizational, move, or other changes. Proposal: share during next week's LO Supervisor meeting.

Bryanne will be facilitating tomorrow's meeting as I am out of the office.

Thanks everyone!

Carolyn Kurowski
Managing Partner
FMP Consulting
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ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

	Offering Name	Notes re: Status	Offering Short Description
1	Disaster Information Mgt Research Center (DIMRC) website	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program. Create a brief document by Aug 21st to describe proposed focus and present to Patti.	The DIMRC website is a source for health information resources and technology for disaster and public health emergency preparedness, response, and recovery. The focus is to connect people to quality disaster and public health emergency information and foster a culture of community resiliency.
2	Chemical Hazards Emergency Medical Management (CHEMM)	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program. Create a brief document by Aug 21st to describe proposed focus and present to Patti.	Chemical Hazards Emergency Medical Management (CHEMM) provides resources to assist in the medical response to a mass-casualty chemical incident.
3	Radiation Emergency Medical Mgt. (REMM)	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program. Create a brief document by Aug 21st to describe proposed focus and present to Patti.	Radiation Emergency Medical Management (REMM) is a resource to assist healthcare providers diagnosis and treat a variety of radiation injuries.
4	Wireless Information System for Emergency Responders (WISER)	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program. Create a brief document by Aug 21st to describe proposed focus and present to Patti.	Wireless Information System for Emergency Responders (WISER) is a tool to assist emergency responders, mgrs & healthcare providers in hazardous materials incidents.
5	NIH Disaster Research Response Program (DR2)	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program. Create a brief document by Aug 21st to describe proposed focus and present to Patti.	The NIH Disaster Research Response Program (DR2) program is a collaboration between NIEHS and NLM with the potential for additional NIH Institutes and Centers to join. DR2 is the national framework for research on the medical and public health aspects of disasters and public health emergencies.
6	Disaster Lit: Database for Disaster Medicine and Public Health	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program. Create a brief document by Aug 21st to describe proposed focus and present to Patti.	Disaster Lit, the Database for Disaster Medicine and Public Health, contains links to disaster medicine and public health emergency resources available on the Internet at no cost. Resources include guidelines, research reports, training classes, fact sheets, website, databases, data sets, and similar materials.
7	ChemIDplus	Evaluate – What would be required to rebuild? Notes: Started 20+ years because it was more cost effective to do in-house; Now, Software is very out of date; No source code. Does not make sense for LO to update. Need to propose a new system. David and Jeanne will move forward with OCCS.	The ChemIDplus database is a dictionary of over 400,000 chemicals (names, synonyms, and structures). ChemIDplus includes links to NLM and other databases and resources, including links to federal, state and international agencies.
8	Data Discovery	Treat as a project mot a poduct. This is a research project, not a product, per se. Needs to be evaluated to determine next steps. Has been funded for a 2nd	The NLM open data discovery site, presented via the Socrata platform, provides easy interface to view, filter, download, visualize, and explore datasets.

		year. SOCRATA is not something that NLM supports. Need to determine the best/right platform. David will manage with David Hale.	
9	Dietary Supplement Ingredient Database	Transfer to another organization or sunset; **Question**: Allowed to archive or not? Currently under review; Have explored with CIT – to put the information on their site; If funding continues to come from ODS, CIT can do this without NLM. Jeanne will continue to move forward.	The Dietary Supplement Ingredient Database (DSID) provides estimated levels of ingredients in dietary supplement products sold in the United States. DSID is a collaboration with NIH's Office of Dietary Supplements and USDA.
10	Dietary Supplement Label Database	Transfer to another organization or sunset; **Question**: Allowed to archive or not? Currently under review; Have explored with CIT – to put the information on their site; If funding continues to come from ODS, CIT can do this without NLM. Jeanne will continue to move forward.	The Dietary Supplement Label Database (DSLD) includes full label derived information from dietary supplement products marketed in the U.S. with a Web-based user interface that provides ready access to label information. DSLD is a collaboration with NIH's Office of Dietary Supplements.
11	Household Products Database	Review: If this goes away, what are the implications? What outcomes could be expected if NLM no longer supports this product? What would users do? What would stakeholders do? Would it impact other NLM offerings? Notes: Standalone but very discoverable. SBIR with CDC for 10+ years. No license that says we can reuse the data in other things. Have been some negotiations – "Yes, you can use five of them." No link back. Ingredient but not product was in NCBI. OCCS staff need training/OJT on coding. Jeanne will work with Collette to complete by Oct 1.	The Household Products Database links consumer brands to health effects from Safety Data Sheets provided by manufacturers and allows scientists and consumers to research potential health effects of chemicals in more than 18,000 common household products based on chemical ingredients. A TOXNET database.
12	LiverTox	No review needed. Signed agreement with Bookshelf; NIDDK will manage; NLM will no longer be responsible.	LiverTox provides information on the diagnosis, cause, frequency, patterns, and management of liver injury attributable to prescription and nonprescription medications, herbals and dietary supplements. A collaboration with (NIDDK).
13	Pillbox	Transfer to another organization or sunset; Archive data set. No longer sustainable. Belongs with FDA. David (or Jeanne) will work with David Hale to move forward. Sunset by Oct 1.	Pillbox enables rapid identification of unknown solid-dosage medications (tablets/capsules) based on physical characteristics and high-resolution images.
14	Tox Town	Review: If this goes away, what are the implications? What outcomes could be expected if NLM no longer supports this product? What would users do? What would	Tox Town provides consumer level information on everyday locations and situations where one might be exposed to toxic chemicals

		stakeholders do? Would it impact other NLM offerings? Amanda will work with Alla to complete by Oct 1.	
15	Tox Tutor	Review: If this goes away, what are the implications? What outcomes could be expected if NLM no longer supports this product? What would users do? What would stakeholders do? Would it impact other NLM offerings? Amanda will work with Alla to complete by Oct 1.	Tox Tutor provides college-level tutorials on the basic principles of toxicology, toxicokinetics, cellular toxicology, and related topics. It is a self-paced tutorial covering key principles of toxicology for users of the NLM chemical and toxicology databases.

Overarching language:

NLM will focus its Disaster-related products on published journal and gray-literature and products that provide chemically and toxicology related information.

NLM is committed to supporting key offerings in chemical, toxicology and environmental health, but will look for opportunities to streamline or consolidate resources where appropriate

Stand-alone offerings

Offerings without a strong infrastructure,

option will need to be sunset.

Explain how the product owner and product sponsor related to this.

STEERING GROUP MEETING NOTES 8/7/19

SIS PRODUCTS – EVALUATION APPROACH + NEXT STEPS

SIS PRODUCT STATUS

	Offering Name	Notes re: Status
1	Disaster Information Mgt Research Center (DIMRC) website	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program and create a brief document by Aug 21st to describe proposed focus and present to Patti.
2	Chemical Hazards Emergency Medical Management (CHEMM)	
3	Radiation Emergency Medical Mgt. (REMM)	
4	Wireless Information System for Emergency Responders (WISER)	
5	NIH Disaster Research Response Program (DR2)	
6	Disaster Lit: Database for Disaster Medicine and Public Health	
7	ChemIDplus	Evaluate – What would be required to rebuild? David and Jeanne will move forward with OCCS.
8	Data Discovery	Treat as a project not a product. David will manage with David Hale.
9	Dietary Supplement Ingredient Database	Transfer to another organization or sunset; **Question**: Allowed to archive or not? Jeanne will continue to move forward.
10	Dietary Supplement Label Database	
11	Household Products Database	Review: If this goes away, what are the implications? Jeanne will work with Collette to complete by Oct 1.
12	LiverTox	No review needed. Signed agreement with Bookshelf; NIDDK will manage; LO will no longer be responsible.
13	Pillbox	Transfer to another organization or sunset; Archive data set. David (or Jeanne) will work with David Hale to move forward. Sunset by Oct 1.
14	Tox Town	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Oct 1.
15	Tox Tutor	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Oct 1.

For more details, see: Offerings Status.docx

ADDITIONAL CONTEXT AND CONSIDERATIONS

1. **Fundamental Decisions**: If fundamental decisions have already been made or could reasonably be inferred from the strategic plan or discussions with Senior Leadership, we should make those fundamental decisions now. We should not evaluate products that are destined to be sunset or released to another organization.
2. **Guidance should be given at the programmatic level to guide decision at the individual level**.
3. **IT Concerns**: If a product has security issues/vulnerabilities or will take significant resources to convert to a common technology platform – this should be considered as a factor. Need to compare costs of fixing with the value provided.
4. **Licensed Data**: Some products that are being considered for Bookshelf contain licensed data. If we are not planning to renew the license, it does not make sense to convert to Bookshelf. A broader question is: Should licensed data be maintained?
5. **Pay for Publishing**: In general, NLM does not want to pay for publishing others' work.
6. **Archiving**: So long as we have permission, we will archive data sets that are sunset or transferred to another organization.
7. **Standalone or Linked**: When evaluating, need to consider – Is the product a stand-alone resource or is it linked with others? (e.g., Does it feed into another resource?) and How discoverable is the data?

DISCUSSION NOTES:

1. Stephanie Morrison – shared evaluation criteria and approach that may inform the SIS Product Review
2. Dianne and Ken may have insight based on Portfolio Analysis training
3. Communication Strategy is needed for SIS Product Review.
    a. Until the Comm Strategy is in place, limit sharing to what is essential.
    b. Communication will be limited to the SIS Product Review
    c. No mention of a similar review of all LO products in communication re: SIS; Not sure if/how this will be done, especially with upcoming renovation, data science initiative, etc. And, gradual implementation of a more robust approach to product/portfolio management may accomplish what is needed in terms of review/evaluation.
4. Joyce and Ivor have told Dr. Brennan – not to expect savings right away. There will be costs associated with integrating, releasing/transferring and sunsetting SIS products, as well as investing in SIS products that are continuing to address security concerns and migrate products to a common technology platform.
5. Dr. Brennan is moving ahead with the research initiative:
    a. Hiring 3 new investigators
    b. Hiring a Senior Scientific Director (over LHC and NCBI)
    c. Goal is to increase the NLM impact and become a more integral part of NIH research
6. Dr. Brennan is expecting LO to save money (reduce SIS-associated budget) and Ivor to work within the OCCS budget. This means not doing some of the things they have been doing. The culture of "Nice" has emphasized – How can we continue things? Bottom line is:
    - We are looking to consolidate
    - We are looking for fewer options
    - We are looking for efficiencies
7. NLM is currently under a GAO audit of computer information systems. Ivor has shared – audit has been successful.
8. Joyce will make the final decisions about SIS products and present to Patti. She believes the director is looking to her to make those decisions about what products to 'End.'
9. This group will make decisions about what products to review within the next two weeks.
10. There is some value in looking programmatically as well as by product (e.g., drug information, disaster, toxicology).

11. Joyce will meet with Stacey to discuss how to narrow the focus the disaster program. This may mean eliminating products. Likely continuing WISER because it's linked to toxicology. Joyce will carry the message forward. She does not think she would get push back.
12. Products that are mentioned in the Strategic Plan will not be eliminated (e.g., CDE Repository). Toxicology is named in the Strategic Plan; Disaster is not.
13. Disaster program was launched based on the previous strategic plan; somewhat personality driven as it was a specific interest of the leaders at that time; There are new leaders now with different interests. There has been one evaluation of disaster by Alla, and disaster lit is currently being reviewed. If there is a third review – and the disaster program is eliminated anyway – staff will be devasted. There are different interpretations of the findings of the first report – One interpretation was "We should keep it." Another interpretation was "Some people are finding this valuable. That doesn't mean 'keep it.'"
14. There are different interpretations of "gray literature" and "how NLM does gray literature" (e.g., Stacey – MedLIne is gray literature).

SUPERVISOR/EMPLOYEE DIALOGUE

CHECK-IN CONVERSATION

Purpose. The purpose of these conversations is to stay connected with staff and their work by helping them leverage their strengths to do priority work and to providing support, as needed.

According to Marcus Buckingham, on the best teams, employees are using their strengths and focused on priority work. Essentially, employees want their leaders to:

- Know me for what I do best, and
- Focus me around it.

What does a leader have to do for this to happen? The key is **frequent, strengths-based check-ins about near-term, future work**. What does that look like? One—on-one, weekly, light-touch conversations for about 10 minutes with every team member.

Questions to Ask:

1. **What are your priorities this week?**
   - What are your priorities for the next few days?
   - What are you working on this week?

2. **How can I help?**
   - What support can I provide?
   - What do you need from me?

3. **What did you love and loathe about last week?**
   - What was your emotional experience with work last week?
   - How were you leveraging your strengths?
   - What might you change?

> "Take five minutes to share five things with me about the next five days."
>
> – Marcus Buckingham

Note:

The first two questions are about focus and support, the third is about connecting to strengths. For more about identifying strengths, refer to the Supervisor/Employee Dialogue: Engagement Conversation.

TIPS FOR EFFECTIVE CONVERSATIONS

According to Marcus Buckingham, author of *Nine Lies About Work*, frequent, strengths-based check-ins about near-term, future work can have a major impact on team effectiveness and employee engagement. This 3 minute video on *Check-in Conversations* is worth checking out.

https://www.marcusbuckingham.com/rwtb/check-in-conversation/

From: Bryanne Reynolds
Sent: 15 Aug 2019 12:51:39 +0000
To: Carolyn Kurowski;Dunn, Kathel (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Ma, Wei (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Cc: sandy.becker@me.com
Subject: Steering Group Meeting Notes 8/14
Attachments: Steering Group Meeting Notes 2019 0814FMP.docx

Hi all,

I've attached notes from yesterday's steering group meeting. What a productive meeting and all in 50 minutes! Please let me know if you have any questions.

Kathel—I'll put together a shorter version for wider dissemination for your review/edit.

Thanks all,
Bryanne

Bryanne Cordeiro Reynolds, Ph.D.
Managing Consultant
FMP Consulting

2900 South Quincy Street, Suite 200, Arlington, VA 22206
T (703) 671-6600, ext. 101 | F (703) 879-2384
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STEERING GROUP MEETING NOTES 8/14/19

The first section provides updated deadlines for the product status. The following three sections include notes from each of our agenda item discussions.

SIS PRODUCT STATUS

	Offering Name	Notes re: Status
1	Disaster Information Mgt Research Center (DIMRC) website	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program and create a brief document by Aug 28th to describe proposed focus and present to Patti.
2	Chemical Hazards Emergency Medical Management (CHEMM)	
3	Radiation Emergency Medical Mgt. (REMM)	
4	Wireless Information System for Emergency Responders (WISER)	
5	NIH Disaster Research Response Program (DR2)	
6	Disaster Lit: Database for Disaster Medicine and Public Health	
7	ChemIDplus	Evaluate – What would be required to rebuild? David and Jeanne will move forward with OCCS.
8	Data Discovery	Treat as a project not a product. David will manage with David Hale.
9	Dietary Supplement Ingredient Database	Transfer to another organization or sunset; **Question**: Allowed to archive or not? Jeanne will continue to move forward.
10	Dietary Supplement Label Database	
11	Household Products Database	Review: If this goes away, what are the implications? Jeanne will work with Collette to complete by Dec 15th.
12	LiverTox	No review needed. Signed agreement with Bookshelf; NIDDK will manage; LO will no longer be responsible.
13	Pillbox	Transfer to another organization or sunset; Archive data set. David (or Jeanne) will work with David Hale to move forward. Sunset by Dec 15th.
14	Tox Town	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Dec 15th.
15	Tox Tutor	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Dec 15th.
16	Drug Information Portal	Sunset and tell people how to use other resources. **(Do we want to add this and if so, do we need more information?)**

For more details, see: Offerings Status.docx

PRODUCT OFFERINGS:

1. Made some changes to the originally proposed deadlines in the Product Status section. Original deadlines weren't always feasible. Changed August 21st deadlines to August 28th. Changed October 1st deadlines to December 15th for a variety of reasons including: other Toxnet products aren't going down until December so it would be challenging to take some down earlier; workload; lack of established sunsetting process.
2. There isn't one "sunsetting process" that everyone understands since each sunset is different. For example, people often think OCPL is in charge and this isn't true. David has brought together a group which will begin meeting next week to understand and come up with a process. This process should include some way to retain needed information (e.g., SharePoint site)
    a. Some resources available to help David and his team:
        i. Pubmed Health Sunset Plan (the Cadillac of plans—can take what is applicable). This is available on the strategic plan implementation wiki
        ii. There is a sunset page including guidelines for sunsetting on the strategic plan implementation wiki. For now, this has numerous resources. Later, we might want to add something about the particular products being sunset (after communications have gone out)
        iii. Laura Bartlett has been involved in a few things that have sunset. They were small but she may have a process that she used that would be helpful
        iv. Can search using terms "sunset", "sunsetting", "retire", "retiring"
3. We need to come up with a communication strategy for the products
    a. Need to tell people <u>why</u> this is happening (e.g., financial reasons, efficiency, etc.)
    b. There are different audiences that need to be considered. Need to think through the order in which this is done (for example, if we tell federal employees they may tell contractors and don't want this to happen before Acquisition knows)
        i. Federal employees
        ii. Office of Acquisition/CORs
        iii. Contractors
        iv. General public
    c. The initial timing is important too. Stacey and Joyce won't communicate until their 2-pager is done and they have OD approval
    d. Some will be sunset, some are merged. We want to make sure not to use the term "sunset" when the offering will continue in a different place.
    e. People on the outside don't always understand the term "sunset". We'll need to define.
    f. **<u>Action Item</u>**: David to draft a statement for Joyce to review with a general communications
    g. Communication should be done in batches; first we will focus on what we are sunsetting
    h. In general, need to be aware that contractors are working on these products as well as maintaining some of the communications portals (e.g., wikis or websites). Make sure to think about what is appropriate for them to know and when.

POSITION DESCRIPTIONS (PD):

1. Joyce has talked to Aisha and asked her to prioritize the PDs for new hires in the classification pipeline. While it is important to get incumbent PD changes through the official HR process, we don't want it to slow down the hiring process and that was happening.
2. Communications Process
    a. <u>How are employees notified of changes to PD?</u> The direct supervisor should let the employees know if their PD is being changed. If someone further up in the supervisory chain is working on

the PD, that person will let the supervisor know when the PD has been approved and the direct supervisor can notify the employee. (NOTE: a PD is considered "initially approved" when the manager/supervisor working on the PD with Jacqui gives their approval of the PD to Aisha. The PD does then have to go through the NLM classification process).

   b. How will managers be informed of the process and how will they know about NLM's preference for generic PDs? For general awareness, Bryanne will share talking points with Joyce and Wei to share at the next all supervisor meeting. Supervisors should be very familiar with the preference for generic PCs.
   c. Who will inform managers that they need to send approved PD to Aisha? Jacqui will circle back with everyone she worked with to let them know about this step. (NOTE: We need to find out who Wei sends her approved PDs to in order to get them into the classification process.)
   d. These changes to individual PDs are only happening for individuals who have moved into a new position, not for all employees.

3. **Action Item**: Bryanne will ask Jacqui to reach back out to all managers she worked with to:
   a. Clarify that they are good with the drafted PD(s) and they have a "final" copy
   b. Let them know that they need to send this final copy, along with their approval to Aisha, so that she can forward to HR and get the PD into the NLM classification process.

SUPERVISOR JOB AID:

1. This is good to share at the Supervisor Meeting.
2. One way to sell it (since they just did mid-years so some supervisors might think it isn't necessary) is to connect to mid-years and explain the importance of following up right after a performance check-in to see if employees have any reactions. In addition, employees might have an "issue" that they don't consider large enough to "bother" a supervisor about or set up a meeting but if the supervisor stops by, they will discuss.
3. **Action Item**: Bryanne to find 2-5-minute video around the importance of check-ins.
   a. There is a link to a 3-minute video at the bottom of the supervisor check-in job aid (https://www.marcusbuckingham.com/rwtb/check-in-conversation/)
   b. Bryanne will send additional links separately

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 19 Aug 2019 09:38:48 -0400
To: Backus, Joyce (NIH/NLM) [E]
Subject: ACTION REQUIRED (ASSOCIATE DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	CCRIS
Description	The CCRIS database contains chemical records with carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results. It was developed by the National Cancer Institute (NCI). Data are derived from studies cited in primary journals, current awareness tools, NCI reports, and other sources.
Document(s) Supporting Justification	TOXLINE retirement.docx SIS-sunset-resources.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Colette Hochstein Sanjay Jain

	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen
Communicated Message	CCRIS was originally created by the National Cancer Institute (NCI) and covers the years 1985 to 2011. It is part of TOXNET, and the information it contains is already incorporated into PubChem. On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage

	Information delivered at staff meetings Other: Tech Bulluetin
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, NCI
Communicated Message	CCRIS as a separate database will no longer be available after NLM's TOXNET is retired. In this format it will be available on the FTP site, and the data it includes is already part of NLM's PubChem. On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a

	complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Technical Bulletin Social Media Emails
Communication Frequency	Weekly Monthly
Retained Content	NLM Website FTP
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available vis a new TOXNET transition page.

Request Information	
Request ID	361
Task ID	581
Request Status	Submitted
Created By	Jeanne Goshorn
Date Created	07/29/2019 10:28 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Gillikin, David (NIH/NLM) [E]
Sent: 19 Aug 2019 19:27:33 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: text
Attachments: staff blurb.docx

Here you go. Word doc is the same as the text below.

David

In support of the NLM Strategic Plan, a major goal is to consolidate information into a few platforms, improving user experience, discoverability and efficiency. Along with this, NLM products are being reviewed and prioritized along the criteria of uniqueness, and that are highly connected to NLM offerings. Products should be sunsetted based on the following issues:

- If a sufficiently-equivalent offering is available from another organization
- The resource does not have a clear sustainability or succession plan (including not having a consistent data source, or the data source itself has no clear succession plan).
- Usage has been low or has been declining
- The cost to sustain and/or upgrade a resource
- NLM should not be a web provider for another agency entity simply because the agency is paying NLM (there are additional staff and resource costs also involved).

NLM's Division of Specialized Information Services (SIS) and its products were merged into 3 different areas of the Division of Library Operations in June 2019.
We are currently reviewing and evaluating the products and services formerly offered by SIS to identify which products support the and are unique offerings from NLM. In addition, we are seeing how best to integrate some products into more currently support technology; for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. These changes will be announced at the appropriate times.

Expanded version

In support of the NLM Strategic Plan, a major goal is to consolidate information into a few platforms, improving user experience, discoverability and efficiency. Along with this, NLM products are being reviewed and prioritized along the criteria of uniqueness, and that are highly connected to NLM offerings. Products should be sunsetted based on the following issues:

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From: Ma, Wei (NIH/NLM) [E]
Sent: 21 Aug 2019 18:31:31 +0000
To: Dunn, Kathel (NIH/NLM) [E];ckurowski@fmpconsulting.com;sandy.becker@me.com;breynolds@fmpconsulting.com;Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Subject: Information about Household products and TOXNET Servers

All,
Here is the info:

1. Household products sits on its own server.
2. The retrieval side of TOXNET has 2 primary, public servers: mtoxnet.nlm.nih.gov and its hot failover server at NCCS: rtoxnet.nlm.nih.gov.
3. The TOXNET system depends on four other servers for the development and conversion of data into a searchable form:
   stoxnet.nlm.nih.gov (for data conversion and indexing)
   sisrdes.nlm.nih.gov (for data entry and compliance of data for hsdb (hazardous substances data bank)
   sis4.nlm.nih.gov (for development and testing work)
   chemid.nlm.nih.gov (for molecular images and chemical synonyms)
4. There is a further server (ltoxnet.nlm.nih.gov) at 'SIS' (NLM) Oregon site which is on cold stand-by for TOXNET retrieval.

I stop by here .
Thanks-Wei

From: Melby, Beth
Sent: 26 Aug 2019 13:33:38 +0000
To: Ma, Wei (NIH/NLM) [E];Dong, Jennifer (NIH/NLM) [E]
Cc: Bandi, Sruthi (NIH/NLM) [C];Kamal, Eric (NIH/NLM) [C];Korengold, Adam (NIH/NLM) [C];Ijagbemi, Mayowa;Huerta, Mike (NIH/NLM) [E];Bodenreider, Olivier (NIH/NLM/LHC) [E]
Subject: LHC Draft Submission - Linking offerings to strategic plan objectives/goals only
Attachments: NPA Phase 1 Data Collection 2019_LHC_v23-ob2.xlsx

Good morning, Wei and Jennifer,

Olivier and I had a short conversation Friday afternoon about the LHC submission that he was working on prior to leaving the country this week. Attached is his file.

Olivier pointed out that, while the NPATT agreed that it would be possible to associate an offering to a Strategic Plan Objective or Goal when there is no direct alignment to an Initiative, the template does not allow him to do so. We took at a look at it together and agreed that the locked cells in the Objective/Goal rows prevent him from making the associations. The associations he'd like to make are listed below in his email to me.

Since Olivier is OOO this week, I offered to communicate the challenge to you all and ask your recommendations on how to make these associations. With my MITRE hat on, my recommendation is to unlock LHC's submission template and make the changes on Olivier's behalf. Then, there will be a final, correct final for LHC which you can merge into the master file. An alternative is to make the changes in a master file only but then Olivier doesn't have the final LHC file as a record.

If more information is needed about the LHC request, please let me know.

Best regards
Beth

From: Bodenreider, Olivier (NIH/NLM/LHC) [E] <obodenreider@mail.nih.gov>
Sent: Friday, August 23, 2019 3:46 PM
To: Melby, Beth <bmelby@mitre.org>
Subject: [EXT] linking offerings to strategic plan objectives when

Beth,
I encountered the following problem when attempting to link LHC offerings to SP goals and objectives. For the 2 offerings associated with strategic initiatives, the linkage is automatic. However, I did not find a way to link the remaining 4 offerings to the SP.

Here is what I would like to do:
Profiles in Science -> Goal 2 (broadly)
Biomedical imaging services and datasets -> 1.1, 1.2, 1.3 + 2.3
Health Data Standards services and datasets -> 1.1, 1.2, 1.3 + 2.3
BioNLP and Indexing/Retrieval services and datasets -> 1.1, 1.2, 1.3 + 2.3

Please let me know what the best solution is to link these offerings to the SP.
Thanks as always for your support and guidance.

Dr. Olivier Bodenreider
Senior Scientist
Acting Director, Lister Hill National Center for Biomedical Communications
National Library of Medicine, NIH
8600 Rockville Pike - MS 3828 (Bldg 38A, Rm 7N707)
Bethesda, MD 20894 - USA
office: 301 827-4982 - cell: Personal Info

U.S. National Library of Medicine

2019 NLM Portfolio Analysis Initiative

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Data Resources	Data Resou
Technical Resources	Technical R si
Business Resources	Business Re Responsible
External Resources	External Resource Name, its scope within NLM, and NLM Organization Responsible
2017 Strategic Initiatives	Offerings that can be associated with 2017 Strategic Initiatives
Strategic	

Initiative Overview

NLM has invested in the NLM Portfolio Analysis (NPA) initiative to inventory NLM Offerings (i.e., products, services, applications) that are provided to user constituencies. Data gathered during the inventory will be used to group Offerings into a logical structure that creates a holistic, organized picture of NLM's portfolio.

Workbook Purpose

The purpose of this workbook is to capture information about NLM Offerings in a standardized manner to generate the NLM portfolio inventory. This workbook is intended to be completed by Offering Owners. The Offering Owner is the primary point of contact for an offering, the person with hands-on expertise in what it does, who it reaches, and how it works. NPATT Representatives, NLM Division managers with Offering oversight responsibilities and participating on the NLM Portfolio Analysis Tool Team, should review all the information prior to submission to ensure accuracy and completeness.

Workbook Instructions

This workbook includes two (2) worksheets containing Instructions and a Glossary, and nine (9) worksheets to be completed by Offering Owners, as listed in the table below. For information and assistance in completing this workbook, contact your NPATT Representative.

For definitions of key terms used in this workbook, consult the Glossary.

The deadline for submission to the NPATT is **Wednesday, September 4, 2019, at 3:00 PM**.

Questions and completed submissions should be discussed with your NPATT Representative. If you are not sure on any request for information, consult with your NPATT Representative to obtain clarification.

The following individuals are NPATT Representatives by NLM Division:

- **Library Operations (LO):** Dianne Babski, Ken Koyle, Alla Keselman
- **Lister Hill Center for Biomedical Communication (LHC):** Olivier Bodenreider
- **National Center for Biotechnology Information (NCBI):** Anatoly Mnev, Kim Pruitt
- **Office of Computer and Communications Systems (OCCS):** Wei Ma, Philip Chuang, Rex Shuler
- **Office of Communications and Public Liaison (OCPL):** Jody Nurik, Alise Crutchman, Lisa Federer, Allison Fisher
- **Office of the Director (OD):** Eddie Rivera
- **Office of Strategic Initiatives (OSI):** Mike Huerta, Leigh Samsel, Sara Tam, Constance Young
- **Office of Extramural Programs (EP):** Samantha Tempchin

Phase 1 Data Call GLOSSARY

2019 NLM Portfolio Analysis Initiative

It	Definition
C	
C	
	Customer segmentation based on user behavior.
Customer Type	A **primary customer** is the intended target audience for an **NLM Offering** based on mission alignment, policy, or law.
	An **"other" customer** is the additional audiences who are using the NLM Offering.
NLM Offering	An external-facing (non-NLM) NLM product, service, and/or research program offered to satisfy a want or need of an existing or target user constituency.
Offering Description	A brief description of the product/service provided to **Customers**.
Offering Name	The full name of the **Offering** without information truncated by acronyms.
Offering Name (Short)	"Brand name," the name used to take the **Offering** to market. If no **Offering Name (Short)**, use **Offering Name**.
Offering Sponsor Name	Refers to the person (usually a senior leader affiliated with the **NLM Offering's** organizational owner) who allocates fiscal resources to support an **Offering** and sets it in the NLM strategic context.
Offering Owner Name	Refers to the primary point of contact for an **NLM Offering,** the person with hands-on expertise in what it does, who it reaches, and how it works. The Offering Owner is involved with the **Offering** at the tactical/operational level where the decisions about managing and maintaining the **Offering** are made.
NLM Organization	The group of persons organized within NLM with responsibility to deliver a specific **NLM Offering**.
NLM Strategic Plan 2017	NLM planning document outlining the organization's vision, goals, objectives, and initiatives for the period 2017-2027.
NLM Strategic Plan 2017 Goal	The identifier and descriptive name (*e.g.*, Goal 1 - Accelerate discovery and advance health through data-driven research) of one of the three strategic goals of the **NLM Strategic Plan 2017-2027**. The Goal Name is listed in the ESM Software Suite.
NLM Strategic Plan 2017 Objective	The identifier and descriptive name (*e.g.*, 1.1 - Connect the resources of a digital research enterprise) of one of the 12 objectives under one of the three goals of the **NLM Strategic Plan 2017-2027**. The Objective Name is listed in the ESM Software Suite.
NLM Strategic Plan 2017 Initiative	The identifier and descriptive name (*e.g.*, 1.1a - Assessment of MeSH and Auto-Indexing) of an activity which is being conducted to implement the **NLM Strategic Plan 2017-2027**. The Initiative Name is listed in the ESM Software Suite.
NLM Strategic Project	The name of an activity that is being conducted to implement the NLM Strategic Plan 2017-2027. The Strategic Project name is **not** listed in the ESM Software Suite.
Primary Legislative Authorization/Mandate	A command or authorization for NLM to act in a particular way, such as to deliver certain **Offerings** (*i.e.*, products and services).
	The primary source of NLM's mandate or requirement to provide a specific **Offering**.
	Authorization by Federal Statute is legislation that permits a Federal agency to engage in an activity (*e.g.*, establish an organizational unit and provide a program or service) but does not necessarily provide information on how the agency is to implement the authority.

Primary Legislative Authorization/Mandate Type	**Active Interagency Agreement**: in addition to the regulations affecting NLM/NIH directly, other regulations may affect NLM indirectly when NLM partners with other agencies or collaborators via Interagency Agreement (IAA), Memorandum of Understanding (MOU), or informal collaboration agreement.
	Executive Order, Memorandum, or Departmental (or Agency/NLM) Policy, Plan, or Guidance: published by the White House, a Federal agency (*e.g.*, NIH), or department (*e.g.*, HHS) -- could express "expectations" or actually mandate "requirements" from Federal statutes, provide detailed information on the implementation of policy, and could either address direct agency action or "customer" (*e.g.*, grantees) behavior.
	A **Mandate by Federal Statute** is legislation that requires a Federal agency to engage in an activity.
Mandate Reference	The primary reference citation for the authorizing source legislation, policy, or regulation obligating NLM to provide resources and support for an **Offering** or group of **Offerings**.
Resource	A productive factor (*i.e.*, input) required to deliver an **NLM Offering** to its **Customers**.
Resource Name	Short name for the **Resource** that contributes to the delivery of an **Offering**.
Resource Type	The kind of **Resource** that contributes to the delivery of an **Offering**.
	Business: Person or people who perform manual processes that are required to deliver an Offering. Business Resources are often used in combination with **Technical** and **Data Resources** and either indirectly or directly support **Offerings**. Examples include management, outreach, training, customer service, and marketing. In addition, **Business Resources** also includes research that results in new approaches or scientific methods. However, **Business Resources** exclude research that results in a data asset. Other exclusions are software, hardware, or technical components, and development or curation activities to produce data assets. Business activities that build/update technologies fall under the **Technical Resource**; business activities that contribute directly to the creation of a **Data Resource** fall under **Data Resources**.
	Data: The data asset (*i.e.*, data set) and the person or people who produce, maintain, curate, and/or divest of data assets. **Offerings** often leverage **Data Resources**, and a **Data Resource** may also be provided as an **Offering**. Processes included within **Data Resource** include production, curation, quality assurance, and content development.
	External: A critical input to an **NLM Offering** that is obtained from a provider(s) external to NLM without cost to NLM. Without this contribution, offering delivery would be significantly impacted. **External Resources** are generated by other agencies (e.g., NIH, FDA) or institutions (INSDC) and then used to deliver an **NLM Offering**. External organizations such as contractors are NOT considered external resources; contractors are usually contracted to perform activities supporting business, data, or technical resources.

	Technical: A set of tangible assets supporting the technology needed to deliver an **Offering**. **Technical Resources** include mobile/web/desktop (developed by NLM teams)/cloud/data applications. For costing purposes, **Technical Resources** are supported by the combination of processes and functions of software, hardware, networks, telecommunications and electronics as well as facilities and equipment. Underpinning cost variables include: software development, integration and maintenance; hardware, networking and software procurement, integration, management and maintenance; security and compliance policies enforcement.
Resource Scope	Designation of the span of support associated with the **Resource**.
	NLM-wide: Indicates that the resource is available to and used across the enterprise (*i.e.*, multiple Divisions and Offices).
	Division-Specific: Indicates that the resource is available to, managed by, and used only by one Division for one or more Offerings.
	Offering-Specific: Indicates that the resource is developed for use by only one Offering and managed by the Division that owns the Offering.
	A value of **N/A** is applicable only for external resources.

Offering Basic Information and Mandates

Click on field name to see the definition. Columns with asterisk (*) are required fields. Select the most applicable Primary Legislative Authorization/Mandate Type from the dropdown list. Please limit Offering Description to 250 characters including Offering Name and spelling out acronyms. All other fields are free text.	Offerings					
	Lister Hill Intramural Research Program LHC	Medical Informatics Training Program LHC	Profiles in Science LHC	Biomedical imaging services and datasets LHC	Health Data Standards services and datasets LHC	BioNLP and Indexing/Retrieval services and datasets LHC
	Lister Hill Intramural Research Program	Medical Informatics Training Program	Profiles in Science	Biomedical imaging services and datasets	Health Data Standards services and datasets	BioNLP and Indexing/Retrieval services and datasets
	The Lister Hill Intramural Research Program conducts biomedical informatics research to develop advanced health information resources and software tools for use in biomedical research by health IT professionals, health care providers and consumers.	The Biomedical Informatics Training Program provides biomedical informatics and clinical informatics training and research opportunities for individuals at various stages in their careers.	Profiles in Science is a digital archival collection associated with prominent scientists, physicians, and others who have advanced the scientific enterprise.	Collection of image datasets curated by LHC and made available to the research community (e.g., a reference datasets for training machine learning algorithms)	Collection of services and datasets supporting health data standards	Collection of services and datasets supporting biomedical natural language processing
Offering Sponsor Name*	Olivier Bodenreider	Olivier Bodenreider	Olivier Bodenreider	Olivier Bodenreider	Olivier Bodenreider	Olivier Bodenreider
Offering Owner Name*	Olivier Bodenreider	Paul Fontelo	Marie Gallagher	Sameer Antani	Olivier Bodenreider	Dina Demner-Fushman
Primary Legislative Authorization/Mandate Type*	Authorization by Federal Statute	Authorization by Federal Statute	Authorization by Federal S	Authorization by Federal Statute	Authorization by Feder	Authorization by Federal Statute
Mandate Reference*						

Customers Served by Offering

Click on field name to see the definition. Select Primary, Other from the dropdown list. Select at least one Primary customer. You can have multiple customers as Primary. Leave it BLANK if it is not a customer to your Offering. You may not add a new Customer Name.	Offerings					
	Lister Hill Intramural Research Program	Medical Informatics Training Program	Profiles in Science	Biomedical imaging services and datasets	Health Data Standards services and datasets	BioNLP and Indexing/Retrieval services and datasets
				Other	Other	Other
				Other	Other	Other
Educator, college & post-grad						
Educator, K-12						
Emergency preparedness and response						
Federal agencies, departments, etc.	Other					
General public						
Health care provider	Other					
Historian						
International Collaborations	Other					
Journalist						
Library or information professional						
National Institutes of Health	Other					
Non-governmental organizations						
Public health professional						
Publisher						
Researcher	Primary			Primary	Primary	Primary
Special Populations						
Student, college & post-grad		Primary				
Student, K-12						

Data Resource Name, its scope within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the Data Resource name.
Leave it BLANK if a Data Resource is NOT used by the offering.
You may add new Data Resources at the bottom of this list if your Data Source is not listed.
The Resource Organization must be provided if your new Data Resource's scope is Division-Specific.

					Medical Informatics Training Program	Profiles in Science	Biomedical imaging services and datasets	Health Data Standards services and datasets	BioNLP and Indexing/Retrieval services and datasets
								X	
							X		
								X	
Data	Malaria Datasets	Division-Specific	LHC	X			X		
Data	Medical Image Database (Armed Forces)	Division-Specific	LHC	X			X		
Data	Medpix	Division-Specific	LHC	X			X		
Data	Molecular Biopsy of Human Tumors	Division-Specific	LHC	X					
Data	National Health and Nutrition Examination Survey Database	Division-Specific	LHC	X			X		
Data	Newborn Screening Coding and Terminology Guide	Division-Specific	LHC					X	
Data	RxTerms	Division-Specific	LHC	X				X	
Data	Semantic MEDLINE Database	Division-Specific	LHC	X					X
Data	SNOMED CT to ICD Mappings	Division-Specific	LHC	X				X	
Data	Specialist Lexicon and Lexical Tools	Division-Specific	LHC	X					X
Data	Tuberculosis Images	Division-Specific	LHC	X			X		
Data	UMLS Semantic Network	Division-Specific	LHC	X				X	
Data	Visible Human Dataset	Division-Specific	LHC	X			X		
Data	ADAM Medical Encyclopedia	Division-Specific	LO						
Data	AIDSInfo	Division-Specific	LO						
Data	AIDSsource	Division-Specific	LO						
Data	AltBib	Division-Specific	LO						
Data	ArchivesSpace	Division-Specific	LO						
Data	CDE Repository	Division-Specific	LO						
Data	Chemical Hazards Emergency Medical Management (CHEMM)	Division-Specific	LO						
Data	ChemIDplus Data Assets	Division-Specific	LO						
Data	Circulating Now	Division-Specific	LO						
Data	Conservation Tracking Data Assets	Division-Specific	LO						
Data	DailyMed Data Assets	Division-Specific	LO	X				X	
Data	Data Discovery (from SIS)	Division-Specific	LO						
Data	Dietary Supplement Ingredient Database	Division-Specific	LO						
Data	Dietary Supplement Label Database	Division-Specific	LO						
Data	Digital Collections	Division-Specific	LO			X			
Data	Disaster Information Management Research Center (DIMRC) website	Division-Specific	LO						
Data	Disaster Lit: Database for Disaster Medicine and Public Health	Division-Specific	LO						
Data	DOCLINE Data Assets	Division-Specific	LO						
Data	Drug Information Portal Data Assets	Division-Specific	LO						
Data	Enviromental Health Student Portal	Division-Specific	LO						
Data	Environmental Health and Toxicology Information	Division-Specific	LO						
Data	FDA NJ	Division-Specific	LO						
Data	GHR	Division-Specific	LO						
Data	Hazardous Substances Data Bank (HSDB)	Division-Specific	LO						
Data	HealthReach	Division-Specific	LO						
Data	HMD Archive-It web archiving	Division-Specific	LO						
Data	HMD Circulating Now Blog	Division-Specific	LO						
Data	HMD Digital Gallery Data Assets	Division-Specific	LO						
Data	HMD Directories (DHMC & FAC)	Division-Specific	LO						
Data	HMD Finding Aids	Division-Specific	LO						
Data	HMD Medicine on Screen	Division-Specific	LO						
Data	HMD Online Exhibitions	Division-Specific	LO						
Data	Household Products Database	Division-Specific	LO						
Data	HSRIC	Division-Specific	LO						
Data	HSRProj	Division-Specific	LO						
Data	HSRR Data Assets	Division-Specific	LO						
Data	IndexCat Data Assets	Division-Specific	LO						
Data	Information Rx Data Assets	Division-Specific	LO						
Data	Integrated Risk Information System (IRIS)	Division-Specific	LO						
Data	International Toxicity Estimates for Risk (ITER)	Division-Specific	LO						
Data	Journal Donation Data Assets	Division-Specific	LO						
Data	LactMed	Division-Specific	LO						
Data	Learning Resources Data Assets	Division-Specific	LO						
Data	Licensed Drug Information	Division-Specific	LO						
Data	LinkOut for Libraries	Division-Specific	LO						
Data	LiverTox Data Assets	Division-Specific	LO						
Data	Loansome Doc Data Assets	Division-Specific	LO						
Data	LocatorPlus Data Assets	Division-Specific	LO						
Data	LOINC	Division-Specific	LO	X					
Data	Medical test monographs	Division-Specific	LO						
Data	Medicine on Screen	Division-Specific	LO						
Data	MedlinePlus Connect	Division-Specific	LO						
Data	MedlinePlus Data Assets	Division-Specific	LO						
Data	MedlinePlus en Español	Division-Specific	LO						
Data	MeSH Browser Data Assets	Division-Specific	LO						
Data	MeSH On Demand Data Assets	Division-Specific	LO						
Data	MeSH RDF Data Assets	Division-Specific	LO	X					
Data	MeSH Vocabulary	Division-Specific	LO	X					
Data	Nature Medicines (supplements)	Division-Specific	LO						
Data	NIH Disaster Research Response Program (DR2)	Division-Specific	LO						
Data	NLM Classification	Division-Specific	LO						
Data	NLM Digital Collections Data Assets	Division-Specific	LO						
Data	NNLM Web Resources	Division-Specific	LO						
Data	OERS - Outreach Evaluation and Reporting System Data Assets	Division-Specific	LO						
Data	Online Exhibitions	Division-Specific	LO						
Data	PHPartners	Division-Specific	LO						
Data	Pillbox	Division-Specific	LO						
Data	Profiles in Science Data Assets	Division-Specific	LO						
Data	Radiation Emergency Medical Management (REMM)	Division-Specific	LO						
Data	RxNorm	Division-Specific	LO	X				X	
Data	SFX Data Assets	Division-Specific	LO						
Data	SNOMED	Division-Specific	LO	X				X	
Data	Substance Registration System Data Assets	Division-Specific	LO						
Data	Tox Town Data Assets	Division-Specific	LO						
Data	Tox Tutor Data Assets	Division-Specific	LO						
Data	TOXLINE Data Assets	Division-Specific	LO						
Data	ToxMap Data Assets	Division-Specific	LO						
Data	TOXNET Data Assets	Division-Specific	LO						
Data	UMLS	Division-Specific	LO	X				X	
Data	UMLS Terminology Services (UTS) Data Assets	Division-Specific	LO						
Data	UTS Annual Report Data Assets	Division-Specific	LO						
Data	Voyager Data Assets	Division-Specific	LO						
Data	VSAC Data Assets	Division-Specific	LO						
Data	VSAC FHIR Data Assets	Division-Specific	LO						
Data	Wireless Information System for Emergency Responders (WISER) Data Assets	Division-Specific	LO						
Data	Antimicrobial Resistance Data Collection	Division-Specific	NCBI						
Data	BioConcepts Data Collection	Division-Specific	NCBI						
Data	BioSystems Data	Division-Specific	NCBI						
Data	Bookshelf Data Collection	Division-Specific	NCBI						
Data	CDD/SPARCLE Data	Division-Specific	NCBI						
Data	ClinicalTrials.gov Dataset	Division-Specific	NCBI						
Data	ClinVar Data Collection	Division-Specific	NCBI						
Data	CloneDB Data Collection	Division-Specific	NCBI						
Data	Contamination Screening Data	Division-Specific	NCBI						
Data	dbGaP Data Collection	Division-Specific	NCBI						
Data	dbSNP Data Collection	Division-Specific	NCBI						
Data	dbVar Data Collection	Division-Specific	NCBI						
Data	GenBank Dataset	Division-Specific	NCBI						
Data	GenColl/Assembly Data	Division-Specific	NCBI						

Data	Gene Data Collection	Division-Specific	NCBI						
Data	Genome Reference Consortium (GRC)	Division-Specific	NCBI						
Data	GEO Dataset	Division-Specific	NCBI						
Data	GIAB and SEQC2	Division-Specific	NCBI						
Data	GTR Data Collection	Division-Specific	NCBI						
Data	Human RefSeq	Division-Specific	NCBI						
Data	MedGen Data Collection	Division-Specific	NCBI						
Data	PubChem Data Collection	Division-Specific	NCBI						
Data	PubMed Central Data Collection	Division-Specific	NCBI						
Data	PubMed Data Collection	Division-Specific	NCBI						
Data	RefSeq	Division-Specific	NCBI						
Data	SRA Dataset	Division-Specific	NCBI						
Data	Structure Data Collection	Division-Specific	NCBI						
Data	Taxonomy Dataset	Division-Specific	NCBI						
Data	NIH MedlinePlus Magazine Data Collection - English	Division-Specific	OCPL						
Data	NIH MedlinePlus Magazine Data Collection- Spanish	Division-Specific	OCPL						
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Technical Resource Name, its scope within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the Technical Resource name.
Leave it BLANK if a Technical Resource is NOT used by the offering.
You may NOT add new Technical Resources.

					Offerings					
					Lister Hill Intramural Research Program	Medical Informatics Training Program	Profiles in Science	Biomedical imaging services and datasets	Health Data Standards services and datasets	BioNLP and Indexing/Retrieval services and datasets
									X	
										X
					X					
										X
Technical	Clinical Table Search Service	Offering-Specific	LHC	Standards					X	
Technical	Form Builder	Offering-Specific	LHC	Standards					X	
Technical	LHC-Forms	Offering-Specific	LHC	Standards					X	
Technical	NLM Personal Health Record	Offering-Specific	LHC	Standards						
Technical	PhysioNet	Offering-Specific	LHC	Standards					X	
Technical	Unified Code for Units of Measure (UCUM)	Offering-Specific	LHC	Standards					X	
Technical	CEB Histopathology Image Assistant	Offering-Specific	LHC	Image processing				X		
Technical	Brat Annotation Tool	Division-Specific	LHC	Text processing	X					X
Technical	Medical Text Indexer (MTI)	NLM-Wide	LHC	Literature	X					X
Technical	MEDLINE/PubMed Baseline Repository (MBR)	Offering-Specific	LHC	Literature						X
Technical	Indexing Initiative Web API	NLM-Wide	LHC	Literature						X
Technical	Indexing Initiative	NLM-Wide	LHC	Literature	X					X
Technical	Structured Abstract	NLM-Wide	LHC	Literature						X
Technical	Indexing Initiative, Word Sense Disambiguation (WSD) Test Collections	NLM-Wide	LHC	Text processing	X					X
Technical	MetaMap API	Division-Specific	LHC	Text processing	X					X
Technical	Open-i	Division-Specific	LHC	Image processing	X			X		
Technical	Open-I Case Upload server	Division-Specific	LHC	Image processing	X			X		
Technical	Online Registry of Biomedical Informatics Tools (ORBIT)	Offering-Specific	LHC	ORBIT						
Technical	Profiles in Science	NLM-Wide	LHC	ProfilesInScience			X			
Technical	AskMedline	Offering-Specific	LHC	Literature						X
Technical	PubMed for Handhelds	Offering-Specific	LHC	Literature						X
Technical	txt2MEDLINE	Offering-Specific	LHC	Literature						X
Technical	Translational Science Search (with links to ClinicalTrials.gov)	Offering-Specific	LHC	Literature	X					X
Technical	Repository for Informed Decision Making (RIDeM)	Offering-Specific	LHC	Text processing						X
Technical	RxClass	Division-Specific	LHC	Standards					X	
Technical	RxMix	Division-Specific	LHC	Standards					X	
Technical	RxNav	Division-Specific	LHC	Standards					X	
Technical	Drug-Drug Interactions API	Division-Specific	LHC	Standards	X				X	
Technical	RxClass API	Division-Specific	LHC	Standards	X				X	
Technical	RxNorm API	Division-Specific	LHC	Standards	X				X	
Technical	RxImage	NLM-Wide	LHC	Standards					X	
Technical	RxTerms API	NLM-Wide	LHC	Standards	X				X	
Technical	RxTerms Demo Form	Offering-Specific	LHC	Standards						
Technical	Semantic Knowledge Representation (SKR)	Offering-Specific	LHC	Text processing	X					X
Technical	MAGPIE (Map Assisted Generation of Procedure and Intervention Encoding)	Offering-Specific	LHC	Standards					X	
Technical	Communications Engineering Branch (CEB)	Division-Specific	LHC	IRP						
Technical	LHNCBC Main Web	Division-Specific	LHC	IRP	X					
Technical	MetaMap	Division-Specific	LHC	Text processing	X					X
Technical	NLM-Scrubber	Offering-Specific	LHC	Text processing	X					X
Technical	SemRep	Offering-Specific	LHC	Text processing	X					X
Technical	Lex Build	Offering-Specific	LHC	Text processing						X
Technical	SPECIALIST NLP Tools	NLM-Wide	LHC	Text processing	X					X
Technical	1000 Genomes	Division-Specific	NCBI	MGV						
Technical	Annotation pipeline software	Division-Specific	NCBI	SeqPlus						
Technical	Antimicrobial Resistance	Division-Specific	NCBI	SeqPlus						
Technical	Average Nucleotide Identity (ANI) Analysis	Division-Specific	NCBI	SeqPlus						
Technical	BLAST on GCP	Division-Specific	NCBI	SeqView						
Technical	BLAST stand-alone distributions	Division-Specific	NCBI	SeqView						
Technical	BioConcepts	Division-Specific	NCBI	MGV						
Technical	BioProject Archive	Division-Specific	NCBI	SeqArchv						
Technical	BioSample Archive	Division-Specific	NCBI	SeqArchv						
Technical	BioSystems	Division-Specific	NCBI	SeqPlus						
Technical	Bookshelf	Division-Specific	NCBI	Lit						
Technical	C++ Toolkit	Division-Specific	NCBI	ShrdSvcs						
Technical	CBB Research Projects	Division-Specific	NCBI	CBB						
Technical	CDD/SPARCLE	Division-Specific	NCBI	SeqPlus						
Technical	ClinGen Dosage Sensitivity Map	Division-Specific	NCBI	MGV						
Technical	ClinVar	Division-Specific	NCBI	MGV						
Technical	ClinicalTrials.gov	Division-Specific	NCBI	CTG						
Technical	Contamination Screening	Division-Specific	NCBI	SeqPlus						
Technical	DataDicer	Division-Specific	NCBI	SeqPlus						
Technical	DevOps Platform	Division-Specific	NCBI	DevOps						
Technical	Entrez Indexing/Search/Links	Division-Specific	NCBI	ShrdSvcs						
Technical	FlatFile DB	Division-Specific	NCBI	SeqArchv						
Technical	GEO Archive	Division-Specific	NCBI	SeqArchv						
Technical	GTR	Division-Specific	NCBI	MGV						
Technical	GeT-RM	Division-Specific	NCBI	MGV						
Technical	GenBank Curation Tools	Division-Specific	NCBI	SeqArchv						
Technical	GenBank Submission Utilities	Division-Specific	NCBI	SeqArchv						
Technical	GenColl/Assembly	Division-Specific	NCBI	SeqPlus						
Technical	GeneReviews	Division-Specific	NCBI	MGV						
Technical	General Variation Page	Division-Specific	NCBI	MGV						
Technical	Genome	Division-Specific	NCBI	SeqView						
Technical	Genome Browsers	Division-Specific	NCBI	SeqView						
Technical	Genome Workbench	Division-Specific	NCBI	SeqView						
Technical	GrantHub	Division-Specific	NCBI	Lit						
Technical	Identity and Access Management 2.0	Division-Specific	NCBI	ShrdSvcs						
Technical	Known Item Search	Division-Specific	NCBI	SeqView						
Technical	LinkOut	Division-Specific	NCBI	Lit						
Technical	MG Content	Division-Specific	NCBI	MGV						
Technical	MGS	Division-Specific	NCBI	MGV						
Technical	MSA Viewer	Division-Specific	NCBI	SeqView						
Technical	Map Viewer	Division-Specific	NCBI	SeqView						
Technical	MedGen	Division-Specific	NCBI	MGV						
Technical	MessageMail	Division-Specific	NCBI	ShrdSvcs						
Technical	MyBibliography	Division-Specific	NCBI	Lit						
Technical	MyNCBI	Division-Specific	NCBI	CX						
Technical	MyNCBI Account	Division-Specific	NCBI	CX						
Technical	NCBI Website / Home Page / Content Pages	Division-Specific	NCBI	CX						
Technical	NIHMS	Division-Specific	NCBI	Lit						
Technical	NISO JATS	Division-Specific	NCBI	Lit						
Technical	NLM Catalog	Division-Specific	NCBI	Lit						
Technical	OMIM	Division-Specific	NCBI	MGV						
Technical	OSIRIS	Division-Specific	NCBI	MGV						
Technical	PGAP-External	Division-Specific	NCBI	SeqPlus						
Technical	PMDM (PubMed Data Management)	Division-Specific	NCBI	Lit						
Technical	Parature / Dynamics Support Portal and Ticketing System	Division-Specific	NCBI	CX						
Technical	Pathogen	Division-Specific	NCBI	SeqPlus						
Technical	PheGenI	Division-Specific	NCBI	MGV						
Technical	Population Frequency (Pilot)	Division-Specific	NCBI	MGV						
Technical	Portal Platform	Division-Specific	NCBI	ShrdSvcs						
Technical	PubChem	Division-Specific	NCBI	Chem	X					

Technical	PubMed	Division-Specific	NCBI	Lit	X					
Technical	PubMed 2.0	Division-Specific	NCBI	Lit						
Technical	PubMed Central (PMC)	Division-Specific	NCBI	Lit	X					
Technical	Public Access Compliance Monitor (PACM)	Division-Specific	NCBI	Lit						
Technical	RT	Division-Specific	NCBI	ShrdSvcs						
Technical	Remap: web and standalone	Division-Specific	NCBI	SeqView						
Technical	SPDI	Division-Specific	NCBI	MGV						
Technical	SRA Archive	Division-Specific	NCBI	SeqArchv						
Technical	SRA Tools	Division-Specific	NCBI	SeqArchv						
Technical	SciENcv	Division-Specific	NCBI	Lit						
Technical	SeqAssm tools	Division-Specific	NCBI	SeqView						
Technical	Sequence Database	Division-Specific	NCBI	SeqArchv						
Technical	Sequence Viewer	Division-Specific	NCBI	SeqView						
Technical	Social Media / Marketing Communications	Division-Specific	NCBI	CX						
Technical	Structure	Division-Specific	NCBI	SeqPlus						
Technical	Submission Portal	Division-Specific	NCBI	SeqArchv						
Technical	Suite of GEO analysis tools	Division-Specific	NCBI	SeqView						
Technical	TaskManager	Division-Specific	NCBI	ShrdSvcs						
Technical	Taxonomy Database	Division-Specific	NCBI	SeqArchv						
Technical	Tree Viewer	Division-Specific	NCBI	SeqView						
Technical	VDB	Division-Specific	NCBI	ShrdSvcs						
Technical	Variation Viewer	Division-Specific	NCBI	MGV						
Technical	Viral Tools (general)	Division-Specific	NCBI	SeqView						
Technical	Viral Variation and Analysis Tools	Division-Specific	NCBI	SeqView						
Technical	Viral annotation tools	Division-Specific	NCBI	SeqPlus						
Technical	Web Displays and FTP for Assembly	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for BioProject	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for BioSample	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for BioSystems	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for Biocollections	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for Gene	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for Genome	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for Protein sequence resources	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for SRA	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for Structure	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for Taxonomy	Division-Specific	NCBI	SeqView						
Technical	Web Displays and FTP for nucleotide sequence resources	Division-Specific	NCBI	SeqView						
Technical	Web Displays for FTP and GEO	Division-Specific	NCBI	SeqView						
Technical	WebBLAST and specialized webpages that may use BLAST	Division-Specific	NCBI	SeqView						
Technical	Working Groups	Division-Specific	NCBI	MGV						
Technical	dbGaP Authorized Access System	Division-Specific	NCBI	MGV						
Technical	dbGaP Public	Division-Specific	NCBI	MGV						
Technical	dbGaP Registration System	Division-Specific	NCBI	MGV						
Technical	dbSNP	Division-Specific	NCBI	MGV						
Technical	dbVar	Division-Specific	NCBI	MGV						
Technical	eUtils	Division-Specific	NCBI	ShrdSvcs	X					
Technical	AccessGUDID	Division-Specific	OCCS							
Technical	AccessGUDID Batch	Division-Specific	OCCS							
Technical	Against The Odds	Offering-Specific	OCCS							
Technical	CDE-R System	Offering-Specific	OCCS							
Technical	ChemdID API	Offering-Specific	OCCS							
Technical	ChemdID Search (API)	Offering-Specific	OCCS							
Technical	ChemdID View (API)	Offering-Specific	OCCS							
Technical	ChemIDPlus System	Offering-Specific	OCCS							
Technical	Changing the Face of Medicine	Offering-Specific	OCCS							
Technical	Classification Editor	Offering-Specific	OCCS							
Technical	CMDB App	Division-Specific	OCCS							
Technical	Cognos	Division-Specific	OCCS							
Technical	Conservation Tracking Sytem	Offering-Specific	OCCS							
Technical	DailyMed System	Offering-Specific	OCCS							
Technical	DailyMed Batch	Offering-Specific	OCCS							
Technical	Database Password Manager	Division-Specific	OCCS							
Technical	DBMaint	Offering-Specific	OCCS							
Technical	Digital Preservation System	Offering-Specific	OCCS							
Technical	Digital Signage	Division-Specific	OCCS							
Technical	DOCLINE System	Offering-Specific	OCCS							
Technical	DOCLINE Batch	Offering-Specific	OCCS							
Technical	Drug Information Portal System	Offering-Specific	OCCS							
Technical	Emergency Access Initiative	Offering-Specific	OCCS							
Technical	Encoded Archival Description	Offering-Specific	OCCS							
Technical	Ending the Document Game	Offering-Specific	OCCS							
Technical	Eresources	Offering-Specific	OCCS							
Technical	Eresources Admin	Offering-Specific	OCCS							
Technical	ERMS	Offering-Specific	OCCS							
Technical	Flash Media Streaming	Offering-Specific	OCCS							
Technical	Health Topic Web Services	Offering-Specific	OCCS							
Technical	Household Products Database System	Offering-Specific	OCCS							
Technical	High-Risk Countries List	Division-Specific	OCCS							
Technical	HMD Digital Gallery System	Offering-Specific	OCCS							
Technical	HMD Digital Library Extension System	Offering-Specific	OCCS							
Technical	HMD Directory (DHMC) System	Offering-Specific	OCCS							
Technical	HMD Directory (DHMC) Admin	Offering-Specific	OCCS							
Technical	HMD Exhibit Asset Manager	Offering-Specific	OCCS							
Technical	HMD Maps	Offering-Specific	OCCS							
Technical	HSRProject System	Offering-Specific	OCCS							
Technical	HSRR System	Offering-Specific	OCCS							
Technical	HTTPS Compliance Dashboard	Division-Specific	OCCS							
Technical	Image Interoperability Framework (IIIF) API	Offering-Specific	OCCS							
Technical	IMS	Offering-Specific	OCCS							
Technical	IMS Batch	Offering-Specific	OCCS							
Technical	IndexCAT System	Offering-Specific	OCCS							
Technical	Information Rx System	Offering-Specific	OCCS							
Technical	International Programs	Offering-Specific	OCCS							
Technical	Inventory Control System	NLM-Wide	OCCS							
Technical	Journal Donation System	Offering-Specific	OCCS							
Technical	Learning Resources System	Offering-Specific	OCCS							
Technical	LinkChecker Batch	Offering-Specific	OCCS							
Technical	LiverTox System	Offering-Specific	OCCS							
Technical	Loading Dock	NLM-Wide	OCCS							
Technical	Loansome Doc System	Offering-Specific	OCCS							
Technical	Local Legends	Offering-Specific	OCCS							
Technical	LocatorPlus System	Offering-Specific	OCCS							
Technical	LSTRC Admin	Offering-Specific	OCCS							
Technical	Manuscript Clearance	NLM-Wide	OCCS		X					
Technical	Medline Review	Offering-Specific	OCCS							
Technical	Medline Reviewer Web	Offering-Specific	OCCS							
Technical	MedlinePlus System	Offering-Specific	OCCS							
Technical	MedlinePlus Batch	Offering-Specific	OCCS							
Technical	MedlinePlus Connect System	Offering-Specific	OCCS							
Technical	MedlinePlus Connect - Batch	Offering-Specific	OCCS							
Technical	MedlinePlus Connect - CMMS	Offering-Specific	OCCS							
Technical	MedlinePlus Input System	Offering-Specific	OCCS							
Technical	MeSH Browser System	Offering-Specific	OCCS		X					
Technical	MeSH Editing	Offering-Specific	OCCS							
Technical	MeSH Medline GCMS	Offering-Specific	OCCS							
Technical	MeSH Medline Year End Process	Offering-Specific	OCCS							
Technical	MeSH On Demand System	Offering-Specific	OCCS							
Technical	MeSH RDF System	Offering-Specific	OCCS							
Technical	MeSH Translation MTMS System	Offering-Specific	OCCS							

Technical	Native Voices Video	Offering-Specific	OCCS								
Technical	NIH Scientific Collections	Division-Specific	OCCS								
Technical	NLM Digital Collections System	Offering-Specific	OCCS								
Technical	NLM Digital QA	Offering-Specific	OCCS								
Technical	NLM Main Web	NLM-Wide	OCCS								
Technical	NLM Shuttle Display	Offering-Specific	OCCS								
Technical	NOSC Display Maps	Offering-Specific	OCCS								
Technical	OERS - Outreach Evaluation and Reporting System	Offering-Specific	OCCS								
Technical	One NLM Dashboard	NLM-Wide	OCCS								
Technical	Outreach - Maps	Offering-Specific	OCCS								
Technical	Profiles in Science System	Offering-Specific	OCCS								
Technical	Patron Registration	Offering-Specific	OCCS								
Technical	PCM Binding Management System	Offering-Specific	OCCS								
Technical	PHP/HSR	Offering-Specific	OCCS								
Technical	Relais	Offering-Specific	OCCS								
Technical	RxNorm Editing System	Offering-Specific	OCCS								
Technical	ScanTrac	Offering-Specific	OCCS								
Technical	ScanTrac Batch	Offering-Specific	OCCS								
Technical	Serials	Offering-Specific	OCCS								
Technical	SFX System	Offering-Specific	OCCS								
Technical	Substance Registration System	Offering-Specific	OCCS								
Technical	Sunset COMM System	NLM-Wide	OCCS								
Technical	Teamsite		OCCS								
Technical	Terminology Service	Offering-Specific	OCCS								
Technical	Tox Town System	Offering-Specific	OCCS								
Technical	Tox Tutor System	Offering-Specific	OCCS								
Technical	TOXLINE System	Offering-Specific	OCCS								
Technical	ToxMap System	Offering-Specific	OCCS								
Technical	TOXNET System	Offering-Specific	OCCS								
Technical	UMLS Editing System	Offering-Specific	OCCS								
Technical	UMLS MEME and MidService	Offering-Specific	OCCS								
Technical	UMLS Production Framework	Offering-Specific	OCCS								
Technical	UMLS Terminology Services (UTS)	Offering-Specific	OCCS								
Technical	URL Mapping		OCCS								
Technical	UTS Annual Report System	Offering-Specific	OCCS								
Technical	UTS APIs	Offering-Specific	OCCS								
Technical	UTS CAS Login	Offering-Specific	OCCS								
Technical	Voyager System	Offering-Specific	OCCS								
Technical	Voyager Counters	Offering-Specific	OCCS								
Technical	Voyager PROD Batch	Offering-Specific	OCCS								
Technical	Voyager Prod z3951	Offering-Specific	OCCS								
Technical	VSAC System	Offering-Specific	OCCS								
Technical	VSAC Admin Tool	Offering-Specific	OCCS								
Technical	VSAC API	Offering-Specific	OCCS								
Technical	VSAC Collaboration Tool	Offering-Specific	OCCS								
Technical	VSAC FHIR System	Offering-Specific	OCCS								
Technical	Watson Explorer	NLM-Wide	OCCS								
Technical	Wireless Information System for Emergency Responders (WISER) System	Offering-Specific	OCCS								

Business Resource Name, its Scope Within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the Business Resource name.
Leave it BLANK if a Business Resource is NOT used by the offering.
You may add new Business Resource at the bottom of this list if your Business Source is not listed.
The Resource Organization must be provided if your new Business Resource's scope is Division-Specific.

					Medical Informatics Training Program	Profiles in Science	Biomedical imaging services and datasets	Health Data Standards services and datasets	BioNLP and Indexing/Retrieval services and datasets
						X	X	X	X
Business	Design and User Experience	Division-Specific	NCBI						
Business	NLM Web Page Content and Development	NLM-wide	OCPL						
Business	NLM Promotional Materials Development	NLM-wide	OCPL						
Business	Strategic Communications	NLM-wide	OCPL						
Business	<add your new Business Resource here>								
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External Resource Name, its Scope within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the External Resource name.
Leave it BLANK if a External Resource is NOT used by the offering.
You may add new External Resource at the bottom of this list if your External Source is not listed.
The Resource Organization must be provided if your new External Resource's scope is Division-Specific.

				Offerings					
				Lister Hill Intramural Research Program	Medical Informatics Training Program	Profiles in Science	Biomedical imaging services and datasets	Health Data Standards services and datasets	BioNLP and Indexing/Retrieval services and datasets
External	Receipt, Referral and Peer Review Services (CSR)								
External	Extramural Research Policy and Guidance (OER)								
External	NIH Guide to Grants and Contracts (OER)								
External	GenMark (Georgia Tech)								
External	Pfam (EBI)								
External	GenomeTrakr (FDA)								
External	PulseNet (CDC)								
External	Comprehensive Antimicrobial Resistance Database (CARD; McMaster University)								
External	Bioconductor								
External	JATS (NISO)								
External	Eschmeyer's Catalog of Fishes								
External	International Committee on Taxonomy of Viruses (ICTV) classification								
External	List of Prokaryotic names with Standing in Nomenclature (LPSN)								
External	Index Fungorum								
External	International Plant Names Index (IPNI)								
External	World Register of Marine Species (WoRMs)								
External	ZooBank								
External	AHCJ Fellowship								
External	FNLM								
External	<add your new External Resource here>								
External									
External									
External

Offerings that can be associated with 2017 Strategic Initiatives

Click on field name to see the definition.
Mark an "X" ONLY beside the Initiative names that your offering is aligned to.
Your offerings will be automatically aligned to Goal and Objective which the selected Initiative is aligned to.
Goals/Objectives listed here are for Initiatives grouping only.
You may not mark an "X" beside the Goal or Objective names.

		Offerings					
		Lister Hill Intramural Research Program	Medical Informatics Training Program	Profiles in Science	Biomedical imaging services and datasets	Health Data Standards services and datasets	BioNLP and Indexing/Retrieval services and datasets
	1.1a - Assessment of MeSH and Auto-Indexing						X
	1.1b - MEDLINE 2022						X
	1.1c - NLM Portfolio Assessment by MITRE	X					
	1.1d - DATaset Metadata Model (DATMM) Initiative						
	1.1e - CDE Repository Study						
	1.1f - Link articles to associated data sets						
	Objective 1.2 - Advance research and development in biomedical informatics and data science						
	1.2a - Blue Ribbon Panel Review of NLM Intramural Research Program	X	X				
	1.2b - NLM-NSF MOU Innovative Mathematical, Statistical, and Computational Approaches to Biomedical Data Science						
	1.2c - FOA on at-scale curation approaches						
	1.2d - Data Science & Open Science Workshop	X					
	1.2e - Expand funding for extramural research to support new biomedical data-science initiatives (RPG and SBIR)						
	1.2f - Expand collaboration with other ICs and agencies on data science oriented FOAs						
	1.2g - Expand funding for intramural research	X					
	1.2h - Hire NLM-wide scientific director	X					
	1.2i - Hire more intramural investigators	X					
	1.2l - Persistent unique IDs w/in NLM systems 1.2l Persistent unique IDs w/in NLM systems						
	1.2m - BMIC criteria for data repositories						
	1.2n - OSTP criteria for data repositories OSTP data management plan guidance						
	Objective 1.3 - Foster open science policies and practices						
	Objective 1.4 - Create a sustainable, institutional, physical, and computational infrastructure						
	1.4a - TOXNet platform migration						
	1.4b1 - IT Assessment - Team 1	X					
	1.4b2 - IT Assessment - Team 2	X					
	1.4b3 - IT Assessment - Team 3	X					
	1.4b4 - IT Assessment - Team 4	X					
	1.4b5 - IT Assessment - Team 5	X					
	1.4f - Assessment of Trans-NLM Central Functions						
	1.4g - Project Management for Implementation Initiative						
	1.4h - Workspace Initiative-Redesign First Floor of Building 38						
	1.4i - NLM Strategic Plan Communication (internal)						
	1.4j - Data Center Reliability Project						
	1.4k - NAS Study on Forecasting Costs of Data Preservation and Management						
	1.4l - Migrate high availability resources to the cloud						
Goal 2 - Reach more people in more ways through enhanced dissemination and engagement pathways							
	Objective 2.1 - Know NLM users and engage with persistence						
	2.1a - Outreach planning						
	2.1b - Assessment of Tools used for NLM Resource Evaluation						
	2.1c - Assessment of Comparative Web Metrics						
	2.1d - User Experience / User Development Initiative						
	2.1e - External Communications Plans & Information Resources						
	2.1f - Informatics Professionals Outreach, Training and Development		X				
	Objective 2.2 - Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data						
	2.2a - Branding of NLM						
	Objective 2.3 - Support research in biomedical and health information access methods and information dissemination strategies						
	2.3a - Expand support for research grants that address user needs through the Personal Health Libraries FOA						
	2.3b - Increase support for G08 Resource Grants						
	2.3c - Increase support for G08 resource grants by expanding funding to one FOA per year						
	2.3d - Support scholarly works G13 grants relating to interests of primary NLM audiences						
	Objective 2.4 - Enhance information delivery						
	2.4a - Support NN/LM activities to enhance understanding of data science and advanced data management						
	2.4b - Customer Experience IT Assessment						
Goal 3 - Build a workforce for data-driven research and health							
	Objective 3.1 - Expand and enhance research training for biomedical informatics and data science						
	3.1a - Data Science Core Skills Analysis	X					
	3.1b - Expand extramural training grant support for predoctoral biomedical data science (Ts)						
	3.1c - Increase funding for postdoctoral fellowships in data science for mid-career researchers (Fs)						
	3.1d - Increase funding for career transition awards in biomedical data science (Ks)						
	Objective 3.2 - Assure data science and open science proficiency						
	3.2a - Report on State of Data Science Training						
	3.2b1 - Reproducibility for Intramural Scientists Workshop						
	3.2b2 - Second Reproducibility for Intramural Scientists Workshop						
	3.2c - Data Science for Librarian Workforce Workshop						
	3.2d - Assessment of extramural staff data science training needs						
	3.2e - Support partnerships to share NLM curriculum materials in biomedical data science with other NIH training programs						
	3.2f - NLM Data science assessment/training	X					
	Objective 3.3 - Increase workforce diversity						
	3.3a - Increase support for training partnerships with MSIs						
	3.3b - Increase support for partnerships with I-schools						
	Objective 3.4 - Engage the next generation and promote data literacy						
	3.4b - Expand support for summer research training at NLM training programs for high school and undergraduate students		X				

Strategic Projects that can be associated with Offerings

Click on field name to see the definition.
Enter Project Name and Description. Mark an "X" under the Offering name to indicate the association.
You can leave this sheet blank if you do not have Strategic Projects.

Associated Offerings					
Lister Hill Intramural Research Program	Medical Informatics Training Program	Profiles in Science	Biomedical imaging services and datasets	Health Data Standards services and datasets	BioNLP and Indexing/Retrieval services and datasets

Strategic Projects that can be associated with 2017 Strategic Goals/Objective

Click on field name to see the definition.
The Strategic Project Name and Description will be automatically populated from the Strategic Projects tab.
Mark an "X" beside the Projects that are aligned to the corresponding goal and objectives. Please see the example.
It is preferable to map a Project to Objectives. If a Project cannot map to an Objective, map to a Goal.
A Strategic Project can align with multiple Objectives.

NLM Strategic Plan 2017 Goals/Objectives														
1 - Accelerate discovery and	1.1 - Connect the	1.2 - Advance	1.3 - Foster open science	1.4 - Create a sustainable,	**2 - Reach more people in more**	2.1 - Know NLM users	2.2 - Foster distinctiveness of	2.3 - Support research in	2.4 - Enhance	**3 - Build a workforce**	3.1 - Expand and enhance	3.2 - Assure data science	3.3 - Increase	3.4 - Engage the next generation
		X	X											

From: Babski, Dianne (NIH/NLM) [E]
Sent: 26 Aug 2019 18:30:29 +0000
To: NLM LO ADLO;NLM NICHSR-ALL
Subject: Lo Div Ch notes

August 22, 2019
TSD (Jennifer)

- The old Cold Fusion based LSTRC System will no longer be available after August 30, 2019. It has been replaced by the MEDLINE Publisher Portal – Journal Manager. If you need access to archived content from the old LSTRC System, please contact Jen Diffin.
- LO staff Joyce Backus, Maria Collins, David Gillikin, Jennifer Marill and Rebecca Stanger participated in the meeting of publishers on August 20, sponsored by the Friends of the NLM. NLM staff provided an update on the STRIDES Initiative, PMC and peer review documents, and the new MEDLINE Publisher Portal.

BSD (David)

- On Tuesday Aug 20, BSD launched a new team to work on identifying and overseeing the specific tasks required to carry out the sunsetting and merging of NLM products, including initially the chem/tox ones from SIS. Some of these will be sunset, some merged with NCBI products as part of the NCBI TOXNET integration, and some will go elsewhere outside of NLM. Jeanne Goshorn will coordinate the work of this group, which includes Bert Hakkinen, David Hale, Rex Robison, and, from PSD, Colette Hochstein, who worked in SIS on several resources. A SharePoint site has been set up to organize resource/product information and to collect related documentation.
- Sara Tybaert will serve as Acting Chief, BSD while both David Gillikin and Jeanne Goshorn are on leave.

HMD (Jeff)

- Following the July 9 meeting to discuss the envisioned exhibition experience in the future, post-renovation lobby of Building 38—involving Dr. Brennan, Dianne Babski, Jody Nurik, Jeff Reznick, Patricia Tuohy, and M. Nichelle Midón of NLM's new Office of Engagement and Training—HMD, under the leadership of Patricia Tuohy and in cooperation with Jeff Reznick, has engaged Dr. Ashley Bowen to complete research in the NLM collections to identify key themes, messages, and assets which will meaningfully inform the exhibition experience, as well as potential graphic panel displays in the envisioned new training center (currently the HMD reading room) and the envisioned new, state-of-the-art NLM reading room which will be located in the rotunda. Dr. Bowen is schedule to present her initial findings on January 16, 2020, , along the lines discussed and agreed upon during the July 9 meeting , and which the architect will be able to use to develop the exhibition experience; on January 16, 2020, from 1-1:30pm, Dr. Bowen will be presenting her findings to NLM leadership, prior to their leadership meeting that day. About Dr. Bowen: Dr Bowen is ideally qualified to work with NLM in this strategic way. She is currently is the Andrew W. Mellon/American Council of Learned Societies (ACLS) Public Fellow at the Science History Institute in Philadelphia, PA. Prior to joining the Science History Institute, she worked as a guest curator under contract for the National Library of Medicine's History of Medicine Division. Three of her exhibitions opened to the public in 2019: *Politics of Yellow Fever in Alexander Hamilton's America*, *Rise, Serve, Lead! America's Women Physicians*, and *Rashes to Research: Scientists and Parents Confront the 1964 Rubella Epidemic*. Dr. Bowen received her PhD in American Studies and Public Humanities from Brown University in December 2016. Her research focused on nineteenth century public health and medicine, the material culture of medicine, and representations of patient experience. In addition to publishing in academic

journals, her writing has appeared on *Atlas Obscura*, *Book Riot*, *Circulating Now*, and on the *Mercy Street* blog run by the National Museum of Civil War Medicine.

- Following the June 18 meeting requested by Dr. Brennan—including Joyce Backus, Jody Nurik, Patricia Tuohy, and Jeff Reznick—to discuss potential collaboration with the Library of Congress around exhibitions, and Jeff Reznick's subsequent email to Dr. Mary Mazanec, Director of the Congressional Research Service (with whom Dr. Brennan spoke about the potential collaboration), Jeff and Patricia Tuohy met at LC, on Monday, August 19, with David Mandel, Director, Center for Exhibits & Interpretation in the Office of the Librarian, receiving a wonderful tour of LC's new exhibition 'Shall Not Be Denied: Women Fight for the Vote' and the discussing mutual interests and potential exhibition collaboration, and agreeing to keep in touch and explore mutually-supportive ideas. We also invited David and his team to visit NLM *to meet our team, learn from them about our collections and resources, and receive a tour of NLM overall and HMD specifically.*
- Joining HMD's engagement with the August 27 NLM Data Science Open House–as detailed last week--a third poster by John Rees, David Hale (BSD), and Minh Diep Nguyen (BSD) will be on display, A Legacy Data Set's Journey to Data Science Ready: The Story of the FDA Notices of Judgment Digital Library, with all due thanks to John, David, and Minh for their collaboration on this poster and the data-focused project described therein.
- Thank to OCPL's Jody Nurik and Kathy McKay, and the entire OCPL team, for their support to publish this week's *NLM InFocus* article NLM Celebrates Acquisition of Selma and Lois DeBakey Papers, and certainly to Dr. Susan Speaker for her lead authorship if this article.
- Congratulations:
    - Dr. Stephen Greenberg for his invitation to speak to the Medical History Interest Group at the Laupus Library, East Carolina University in Greenville, NC, on September 23, as part of ECU's Ruth and John Moskop History of Medicine Lecture Series. His topic will be "Ink and Silver: Medicine, Photography, and the Printed Book, 1845-1900," a presentation draws upon the HMD collection and his own research here at NLM and in related collections elsewhere.
    - Dr. Susan Speaker, for representing NLM/HMD at the upcoming international, academic conference, ""Global Knowledge, Global Legitimacy? Transatlantic Biomedicine since 1970," to be held at the German Historical Institute in Washington, DC. Dr. Speaker will be attending the conference and authoring an historiographical overview of its proceedings which will appear in the open-access GHI Bulletin, distributed in hardcopy to 7,000 readers worldwide and freely online. Jeff Reznick will also be representing NLM/HMD, serving a chair and moderator of the session entitled "(Trans-) National Medical Ethics."

Together through these respective scholarly engagements, Steve, Susan, and Jeff will be connecting with attendees, promoting and welcoming them to engage with NLM's collections and resources, and encouraging them to apply to the NLM Michael E. DeBakey Fellowship in the History of Medicine, all toward advancing the new NLM strategic plan, especially its second goal (2.1) "Know NLM users and engage with persistence" and (2.2) "Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data."

PSD (Stacey)

- Roz Leiderman and Tina Habash of PSD and Jennifer Gilbert of TSD attended the NEDCC conference, "Digital Directions: Fundamentals of Creating and Managing Digital Collections" in Overland Park, Kansas this week. The conference covered many aspects of creating and managing digital collections including selection, preservation, born digital, copyright, metadata, audiovisual, and assessment.

- Phyllis Levine attended training at that NIH Property Management Portal (NPMP) for Property Officers class on Aug 21.
- The widgets and buttons page was removed from the MedlinePlus website. It got very low traffic, and the buttons were not in compliance with NLM and NIH logo use policy.
- The recipe low-fat pumpkin bread was added: https://medlineplus.gov/recipes/low-fat-pumpkin-bread/
- MedlinePlus Magazine: Mary Herron met with NLM GovD staff and StratComm staff to create a pagewatch for the magazine's English and Spanish RSS feed. She also met with Diane Tuncer, OCPL, to give an overview of GovD in general and how NLM uses it.
- Social Media: Three VSFS interns will be working on the new STD text message campaign: Ameya Sanyal (Duke University), Tyler Ricks (Kennesaw State University), and Esmeralda Orozco (University of Texas).
- My MedlinePlus Newsletter: "When Worries Become Something More" was sent August 14, 2019, to 32,583 subscribers. The open rate was 32% and the click rate was 13%. The top three articles were Understanding Anxiety Disorders, Ways to Burn More Calories, Gastroparesis.
- Stephanie Morrison, Michael Honch, Kate Greenberg (GHR/LHNCBC), and Laura Bartlett (LO/OET) met with the CommunicateHealth team for a status update on the health literacy assessment tool project. CommunicateHealth has scheduled in-depth interviews with subject matter experts to get their recommendations for how to revise the PEMAT-P tool for assessing the understandability of health information. The group planned for next steps in validating the revised tool.

Dianne Babski
Deputy Associate Director for Library Operations
Acting Head, National Information Center on Health Services Research & Health Care Technology
National Library of Medicine
National Institutes of Health
dianne.babski@nih.gov
301-827-4279

From: Bryanne Reynolds
Sent: 26 Aug 2019 19:34:15 +0000
To: Backus, Joyce (NIH/NLM) [E]
Cc: Dunn, Kathel (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Ma, Wei (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E]
Subject: FW: Steering Notes and Shorter Blurb
Attachments: Steering Group Meeting Notes 2019 0821 FMP.docx

Hi all,
Attached are the steering meeting notes from last week. I left the date on the first item as a TBD since I think that Stacey and Joyce said they couldn't meet this deadline, but I don't think we actually provided a date.
Please let me know if you have any questions.
Thanks,
Bryanne

Bryanne Cordeiro Reynolds, Ph.D.
Managing Consultant
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STEERING GROUP MEETING NOTES 8/21/19

SIS PRODUCTS – STATUS, COMMUNICATIONS, + NEXT STEPS

SIS PRODUCT STATUS

	Offering Name	Notes re: Status
1	Disaster Information Mgt Research Center (DIMRC) website	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program and create a brief document by September TBD to describe proposed focus and present to Patti.
2	Chemical Hazards Emergency Medical Management (CHEMM)	
3	Radiation Emergency Medical Mgt. (REMM)	
4	Wireless Information System for Emergency Responders (WISER)	
5	NIH Disaster Research Response Program (DR2)	
6	Disaster Lit: Database for Disaster Medicine and Public Health	
7	ChemIDplus	Evaluate – David G will include with other Tox Products, and work closely with OCCS given technology issues. What would be required to rebuild? Data needed to make decision (no documentation; knowledgeable contractor re-assigned; no longer available). Can we get the product information sheet with the product dependencies? Need to determine which contracts cover which systems.
8	Data Discovery	Treat as a project not a product. David will manage with David Hale. Funding has been provided on a year-to-year basis (additional funds); not in BSD budget. David G will ask David H for a report.
9	Dietary Supplement Ingredient Database	Transfer to another organization or sunset; **Question**: Allowed to archive or not? Jeanne will continue to move forward. An announcement has been published in the Technical Bulletin about the transfer.
10	Dietary Supplement Label Database	
11	Household Products Database	Review: If this goes away, what are the implications? Jeanne will work with Collette to complete by Dec 15th. David G: who is responsible for Household Products? Bert is the current COR (Lucie Chen had been the COR previously). Joyce: it needs to go into the ChemTox suite. David G: it will go to the end of the review list. Wei: no known IT vulnerability. Is it attached to the TOXNET servers – so if the server goes down, it would affect Household Products Database.
12	LiverTox	No review needed. Signed agreement with Bookshelf; NIDDK will manage; LO will no longer be responsible.
13	Pillbox	Transfer to another organization or sunset; Archive data set. David (or Jeanne) will work with David Hale to move forward. Sunset by Dec 15th. David: communication needs to go out to staff about Pillbox sunsetting. Joyce: David H will write a two-page document to Joyce about the continuation of Pillbox.

14	Tox Town	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Dec 15th.
15	Tox Tutor	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Dec 15th.

From: Nurik, Jody (NIH/NLM) [E]
Sent: 27 Aug 2019 19:49:07 +0000
To: Sheehan, Jerry (NIH/NLM) [E];Samsel, Leigh (NIH/NLM) [E]
Cc: Goodwin, Rebecca (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: RE: For your review: draft NLM submission to the Secretary's Council on Performance Evaluation (SCOPE)-NIH Input
Attachments: NLM SCOPE Narrative Self-Assessment Template for FY 2019_8-27-19jn.docx

Hi Leigh,

Please see comments and suggested edits – tried to shorten the entries. Let us know if you have any questions.

Thanks,
Jody

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, August 27, 2019 2:25 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <Rebecca.Goodwin@nih.gov>
Subject: RE: For your review: draft NLM submission to the Secretary's Council on Performance Evaluation (SCOPE)-NIH Input

Jerry/Leigh:

Diane and I are reviewing the document now and will provide suggested edits later today or early tomorrow morning.

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Tuesday, August 27, 2019 2:23 PM
To: Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
Subject: RE: For your review: draft NLM submission to the Secretary's Council on Performance Evaluation (SCOPE)-NIH Input

Leigh,
An important point of clarification: is the entire NIH report to be only 3 pages, or is each IC providing a report of 3 pages. If the former, we have to identify just a few key bullet points to send forward, 1-2 max in each category. It would be helpful if you could recommend those points based on your understanding of the exercise.

Thanks
Jerry

From: Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>
Sent: Tuesday, August 27, 2019 11:36 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
Subject: For your review: draft NLM submission to the Secretary's Council on Performance Evaluation (SCOPE)-NIH Input
Importance: High

Hi Jerry and Jody,

I was asked to prepare the NLM submission to the Secretary's Council on Performance Evaluation (SCOPE). I met with Patti and received her input on topics for inclusion. Per her request, I'm sending for your review the draft NLM submission to the Secretary's Council on Performance Evaluation report (also attached for your convenience). Please kindly review at a high level for anything missing (or which you would like removed) and whether this is consistent with desired NLM messaging. I know this is a very short turn-around time – if at all possible, please provide your comments by noon Weds August 28. (We were able to get an extension from the OD to submit on Weds August 28th.)

Please note: The entire NIH report to HHS is a maximum of 3 pages. Rebecca and I saw this as an opportunity for an internal exercise to flesh out topics for other reporting purposes and we fully realize the OD may not use what is included. We have indicated in smaller, italicized font what we do not plan to send forward. Please feel free to indicate accordingly using Track Changes any additional content you believe we should remove.

We tried to focus on high profile topics significant to NLM from the NIH OD and HHS perspective which focus on impact and added value in support of the President's Management Agenda (PMA), *ReImagine HHS*, the Secretary's Goals, and the HHS Strategic Plan, as requested in the self-assessment template.

We apologize for the very short turn-around time on this and look forward to your comments.

Thank you,

Leigh and Rebecca

Leigh Samsel, M.S.
Planning and Evaluation Officer
Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

Leigh.samsel@nih.gov
301-451-0162

From: Danielson, Todd (NIH/NLM) [E] <danielst@mail.nlm.nih.gov>
Sent: Wednesday, August 21, 2019 3:38 PM
To: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>; Samsel, Leigh (NIH/NLM) [E]

<leigh.samsel@nih.gov>
Cc: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: FW: REQUESTED: Secretary's Council on Performance Evaluation (SCOPE)-NIH Input-by August 26, 2019

Hi Mike and Leigh,

We would like Leigh Samsel, NLM's Planning and Evaluation Officer, to prepare the NLM submission.

Thanks,

Todd

From: Clarke, Cheryl (NIH/OD) [E] <cheryl.clarke@nih.gov>
Sent: Tuesday, August 20, 2019 12:14 PM
To: NIH Executive Officers <ExecOff@OD.NIH.GOV>
Cc: Garbarini, Nicole (NIH/OD) [E] <nicole.garbarini@nih.gov>; Johnson, Alfred (NIH/OD) [E] <johnsoa1@mail.nih.gov>; Clarke, Cheryl (NIH/OD) [E] <cheryl.clarke@nih.gov>
Subject: REQUESTED: Secretary's Council on Performance Evaluation (SCOPE)-NIH Input-by August 26, 2019

Dear Executive Officers,

As you may know, the Secretary's Council on Performance Evaluation, or SCOPE, is a group of HHS leaders who annually, in November, review and assess each HHS Division on its organizational performance for the prior fiscal year. NIH will highlight key results, added value, customer-driven excellence, and activities relative to valuing workforce members and partners. A description of each of these areas are outlined in the attached SCOPE Narrative Self-Assessment template. We need your assistance in creating an NIH-wide self-assessment. Please use the attached template to highlight activities and results, for your IC, and email it to me by August 26, 2019.

Thank you in advance,

Cheryl Clarke
Special Assistant to the Deputy Director for Management(DDM)
National Institutes of Health (NIH)
Office of Management (OM)
Building 31, Room B1-C08
301-402-3988 (Office)
cheryl.clarke@nih.gov

Tab D
SCOPE Narrative Self-Assessment Template for FY 2019

NOTES	
	1) Operating Divisions and Staff Divisions may want to highlight results and progress related to the President's Management Agenda (PMA), *ReImagine HHS*, the Secretary's Goals, and the HHS Strategic Plan.
	2) Each organization's narrative self-assessment may not exceed three pages in length, with 10 point font or larger, and one inch margins; additional pages will not be able to be reviewed, due to time constraints.
	3) Please include the below headings in each organization's narrative self-assessment, and submit by Tuesday, October 1, 2019; please send a Word version to Diane.Bogusz@hhs.gov.

OPERATING DIVISION OR STAFF DIVISION [NAME]

- National Library of Medicine, NIH

[MISSION]

- Briefly describe the mission of your organization.
- Note who are your organizational customers and other key stakeholders.

FOCUS ON RESULTS AND CREATING VALUE (50 percent weight)

- *Describe key results that your organization achieved in FY 2019, and what specifically makes those results noteworthy; this criterion is externally-focused. Show how your organization added value for your customers and stakeholders in FY 2019. Consider customer feedback. Demonstrate magnitude and impact of your organizational achievements, including breadth and depth, focusing on outcomes, not outputs. Illustrate your organizational results relative to established expectations, timelines and [targets].*

NLM is adding value for its customers and stakeholders; demonstrating impact in reforming, strengthening, and modernizing health care; fostering scientific advancement; increasing efficiencies and streamlined processes; and leveraging the power of data in the following key areas:

- Intramural Research Program (IRP):
  - NLM researchers created a new algorithm called scPopCorn (**s**ingle-**c**ell sub-**Pop**ulations **Co**mpa**r**iso**n**) to understand the differences between populations of cells from single-cell experiments. scPopCorn can identify different cell types and can help to differentiate between sexes, disease status, animal type, and more. scPopCorn performs better than previously published tools for single-cell analysis. ~~Understanding similarities and differences between cells is fundamental for biomedical sciences. scPopCorn has been shown to be superior to previously published tools.~~
  - NLM has pioneered efforts to address global health challenges. Examples include: automated visual data analysis and machine learning efforts to prevent, control, and eventually eliminate cervical cancer; a 12-year collaboration with NCI to conduct research for~~toward~~ detecting abnormal lesions on the uterine cervix; a collaboration with NCI and Global Good to develop a deep-learning/Artificial Intelligence (AI) based algorithm ~~,~~ that can detect cervical precancers with significant accuracy; and a collaboration with NCI, Global Good, and UNITAID/WHO which aims to acquire more data worldwide to improve the deep-learning/AI based algorithm for further regulatory trials. Global Good aims to develop~~create~~ cell phones applications for cervical images and adapt the algorithm to determine the presence of the precancers.
  - Age-related macular degeneration (AMD) is the leading cause of blindness in developed countries and, by 2040, will affect nearly 300 million people. Accurate AMD detection and prediction of progression to late disease stage is important for personalized~~ing~~ monitoring and preventative interventions. Using retinal images taken from two longitudinal studies NLM and the National Eye Institute researchers developed novel machine-learning approaches to automatically classify AMD severity levels and predict risk of progression to late stage AMD ~~based on retinal images taken from two longitudinal studies,~~ demonstrating that the automated deep learning model was superior to existing clinical standards with ~~and has~~ the potential for improved patient care.
- New Extramural Research Program in Data Science and Intelligent Systems funding initiatives:

Comment [NJ([]: Noting globally, bullet style is inconsistent. Also, acronyms only needed if they are used more than once

Comment [SL([]: This will be filled in by the OD, as the final report will be NIH's submission to HHS

Comment [SL([]: For internal reference; will be removed before submission to NIH OD

Comment [NJ([]: Here is a blurb on Eugene Koonin's research that went out via a news release if you are interested in adding:

NIH researchers uncover role of repetitive DNA and protein sequences in tumor evolution
Discovery may be useful in cancer diagnosis

A team of researchers from the National Library of Medicine and collaborating academic research institutions developed a method to measure a type of gene mutation involved in the evolution of cancer. This type of mutation, called "repeat instability," may be useful in early cancer diagnosis

- The Personal Health Record for Youth Emancipating from Foster Care Project aims to create and distribute a personal health record for foster youth at the age of 18 to improve healthcare knowledge, utilization, care coordination, and patient outcomes. There are 427,000 children in the custody of child protective services (i.e., foster care) in the United States; approximately 5,000 youth emancipate from foster care annually. Health care outcomes are poor, in part due to lack of access to medical history. ~~improve health outcomes and promote health behaviors for the 5,000 young adults who leave foster care at age 18 each year. This involves creating and distributing a personal health record and will address lack of health information and knowledge of how to access care, poor management of chronic conditions, and increased preventable disease. Providing health data from the electronic health record (EHR) could improve health knowledge, care coordination, and patient outcomes in this vulnerable population.~~
- The Green Button Project employs a unique search engine technology and predictive modeling on a patient's case description to rapidly find health information on similar patients from data sets of up to 140 million patients to assist clinical decision-making ~~s~~ and improve health care. The researchers have completed 150 clinical consultations using this technology.

- NLM Biomedical Information Systems, web services, public awareness, and access to information
  - NLM's information resources are among the most heavily used government websites in the U.S. Each day NLM websites are used by more than 6 million people, who download about 115 terabytes of data/information. NLM receives submissions of about 15 terabytes of data/information each day. Annually, NLM websites process more than 6 billion human interactions and 8 billion computer-to-computer interactions. PubMed contains 30 million~~M~~ articles, Clinicaltrials.gov has 32,000 new clinical research studies and 6100 new results summaries (for a total of 318,000 studies and 39,000 summaries of study results and adverse events information), and 240,000 implantable devices were added to AccessGUDID database (which links FDA and SNOMED codes for medical devices) to support certified EHR requirements
  - To support its public access policy, HHS uses PubMed (a database of citations and abstracts) and PubMed Central (PMC, an open full-text digital archive of scholarly articles in the biomedical and life sciences) to facilitate the discovery of peer-reviewed biomedical and other scientific literature. Both include content that falls under the public access policies of NIH and other government and private research funders, as well as collections of current and historical scientific journal content. NLM participated in an interagency working group on open science to develop strategies for maximizing public access to federally funded publications, improve the discoverability of publications across federal agency repositories (Inventory of Agency Application Programming Interfaces and Other Services for Public Access Collections now available on Science.gov)
- NLM's Sequence Read Archive (SRA) is the largest publicly available repository of next-generation sequence data, with more than 9 million records and averages over 100,000 users per month. On a monthly basis SRA delivers over 2 petabytes of data. As part of NIH's STRIDES (Science and Technology Research Infrastructure for Discovery, Experimentation, and Sustainability) Initiative, NLM is making SRA data available through Google and Amazon, NIH's cloud partners. ~~in the STRIDES Initiative~~. Providing high-throughput sequence data on these cloud platforms provides researchers rapid access to relevant datasets and powerful compute resources. As other NIH institutes add their data, it will also enable analysis across a combination of datasets for maximum statistical power.
- NLM continues to be the epicenter of data science at NIH. ~~fulfilled its mandate to be the epicenter of data science at NIH and catalyzed NIH to accelerate progress in data science~~ Bby leveraging NLM expertise in a partnership with NIH's Center for Information Technology (CIT), NLM is a catalyst to accelerate NIH's data science. For example, through ~~via the~~ CIT's Identity and Access Management (IAM) work group, challenges for ~~to address challenges to conducting research~~ research on valuable human research data in NIH data repositories is being addressed. NLM provided expertise to the ~~a~~ strategic vision for enterprise-scale IAM anchored on centralized authentication and authorization services; developed specifications that leverage industry best practices for exchanging user claims between platforms; provided software engineering support to the tool developer and user community; and delivered proof of concept software that demonstrates successful operation of the design. The IAM working group is finalizing details to demonstrate phase one adoption by the principal data repositories within the NIH cloud community in 2020.
- NLM improved access and efficiencies to reference information on environmental health and toxicology by migrating information from TOXNET to ~~NCBI tools~~ PubMed and PubChem.
- NLM has taken a broader NIH posture by providing its staff expertise to drive intergovernmental activities to shape the national agenda related to Artificial Intelligence (AI), health data standards, open science, and data science. Contributions and involvement include: Improving the FAIRness of biomedical data by identifying characteristics of repositories of biomedical data that are important for NIH ~~to consider~~; Fast Healthcare Interoperability Resources

Comment [NJ([]: Is this case description in an EHR?

Comment [NJ([]: Can you clarify "new"? New since when?

Comment [NJ([]: If you don't use PMC further in the document recommend deleting the acronym.

Comment [NJ([]: If not used again, AI acronym is not needed

(FHIR) guidance notices; implementation tactics for the NIH Strategic Plan on Data Science, the Subcommittee on Open Science, and creation of a new Health Data Chief position.

CUSTOMER-DRIVEN EXCELLENCE (25 percent weight)

- *Describe internal improvements that your organization has made that allow you to deliver added value to your customers and stakeholders; this criterion is internally-focused. Illustrate how your organization has overcome cultural and bureaucratic barriers. Show how your internal improvements have made a measurable difference. Focus on efficiencies, cost savings, collaborations, and transparency. Show how your collaborations added value (e.g., not just that a meeting or conference occurred, but what resulted, how that makes a difference, and next steps).*

NLM is adding value for its customers and stakeholders; demonstrating impact in reforming, strengthening, and modernizing health care; fostering scientific advancement; increasing efficiencies and streamlined processes; and leveraging the power of data in the following key areas:

- NLM repurposed $20M for internal improvements to expand research, making ~~ke~~ critical improvements to its infrastructure, and increasinge efficiencies in accordance with Blue Ribbon Panel recommendations. ~~to renovate and redesign its intramural research laboratories and shared spaces to promote greater collaboration among research groups, optimize collective use of research equipment, and enable 21st century team science~~
- NLM is expanding and streamlining its IRP to address more audacious, high-risk, high-reward projects to galvanize research across the organization and inspire the larger scientific community. This involves: 1) unifying scientific direction by managing the IRP ~~managing the IRP as one unified IRP with a~~ under a single Scientific Director; 2) having a single Board of Scientific Counselors ~~with sufficient scientific breadth and expertise~~ to evaluate the full set of activity within a unified IRP; and 3) a significant boost in Intramural research to support new independent investigators and embrace new opportunities for data science, informatics, and computational biology in biomedical research.
- In support of NLM's 2017-2027 Strategic Plan ~~goals,~~ Phase One of a multi-year reorganization was implemented and sought to: ~~. Phase One sought to~~ 1) align content acquisition and curation teams, outreach, and technical groups; 2) discontinue, merge, or continue key NLM products and services; 3) map workflows and jobs to address key product and service delivery; 4) reassign staff and space over time; and 5) expand the NLM Office of the Director' focus on research, health data standards, data science, and open science. ~~Phase One activities included: responsibilities associated with technical, audiovisual, outreach, and specialized information services were realigned and consolidated into a more efficient organizational structure; a new Office of Strategic Initiatives to serve as an advisor to the NLM Director for strategic directions of NLM as well as analysis, evaluation, and reporting on NLM programs and initiatives and to plan, develop, implement, and coordinate open science and data science activities across NLM, NIH, HHS, and beyond; and a new Office of Engagement, and Training combined 5 existing groups to streamline and coordinate the library's external presence including outreach, the National Network of Libraries of Medicine, and improve the experiences of its audiences.~~
- NLM's Office of Computer and Communications Systems supported the President's Management Agenda in several ~~impactful~~ ways: 1) established benchmarks for Customer Experience (CX) that compare favorably with private-sector service organizations; 2) developed a clear set of indicators to assess CX across the organization; 3) allocated staff resources and invested in best-practice CX research tools; and 4) achieved demonstrable results in CX improvement for now and the future.
    - *Advanced its secure, agile, and cost-effective Information Technology Infrastructure. This included migrating core NLM applications to the cloud; maximizing virtualization to reduce the physical computer footprint while enabling resiliency and portability; developed an application security training portal to ensure that the NIH-wide workforce has access to training with application security best practices; and adopted the Technology Business Management (TBM) for IT financial management*
    - *Operated a CX research program geared towards providing a modern, streamlined, and responsive CX across Government with indicators of success including raising its CX above private sector industry averages, developing indicators to monitor progress towards excellent CX and mature digital services for high-impact programs, and demonstrating improvements to programs where improved CX will impact millions of Americans (modernization of PubMed website, improvements to the search algorithm and retention of past searches in AccessGUDID, and improvements to search algorithms to NLM's extensive digital collection of historical information about healthcare and medicine).*
- An IT Assessment was undertaken to improve efficiencies in cataloging, standardization, security and performance measurement, and to initiate shared services across NLM.
- NLM performed a portfolio analysis ~~audit to integrate the~~ of its products and services provided to the public ~~(trainings, research grants, and web services) into its portfolio~~, which considered ~~along with the~~ Library's personnel and budget operations. This resulted in an increased understanding of: 1) NLM's public offerings, ~~to the public and their~~ associated

Comment [NJ([]: Is this referencing Clem? If so, you might consider changing this to creating and filling a new Health Data Standards Chief position at NLM.

Comment [SL([]: For internal reference; will be removed before submission to NIH OD

Comment [NJ([]: Noting, bullets under this section should be indented

Comment [NJ([]: https://www.nlm.nih.gov/news/blue_ribbon_panel_intramural_research_program.html

Comment [NJ([]: What kind of boost?

Comment [SL([]: For internal reference; will be removed before submission to NIH OD

expenditures and mandates; 2) the tools, platforms, and infrastructure ~~which underlie~~ supporting those offerings; 3) areas of inter-dependencies and duplication; 4) opportunities for cost- and resource-sharing; 5) how the offerings align~~ed~~ to the Strategic Plan ~~goals~~; and 6) priorities.~~helped set priorities.~~

- NLM collaborates with federal agencies such as FDA, CDC, USDA ~~and others~~ to quickly resolve outbreaks of foodborne illness through rapid identification of pathogens using high throughput sequencing data and NLM's Pathogen Detection Pipeline (PDP). The PDP produces reports within 24 hours that identify sources of human illnesses, enabling the first real-time US foodborne pathogen surveillance system. This~~e~~ rapid return of results has ~~resulted in~~ significantly reduced public illness, enabling regulatory agencies to respond more quickly~~rapidly~~ to outbreaks. The PDP has been used by FDA to support more than 370 actions to protect consumers from foodborne illness.
- Partnered with more than 7,000 health science libraries and information centers via NLM's ~~the~~ National Network of Libraries of Medicine (NNLM)~~, more than 7,000 health science libraries and information centers) with public libraries~~ to:
    - Educate consumers about precision medicine and the NIH All of Us Research Program ~~in communities that are underrepresented in biomedical research;~~
    - Train health sciences librarians in research data management and data science
    - Encourage citizen science; and improve access to high-quality science-based medical information ~~online~~
    - Train ~~via NNLM~~ more than 100,000 people (via 3,000 educational activities and~~;~~ 5,000 resource demonstrations)
    - Support~~ed~~ 335 outreach and training activities for 200,000 users

VALUING WORKFORCE MEMBERS AND PARTNERS (25 percent weight)

- *Describe how your organizational leadership is changing the culture for the better.*

- In support of NLM's ~~the~~ reorganization, ~~NLM's Director and~~ the leadership team at NLM launched a change management initiative~~plan, provided by a consultant, on organizational and human dynamics and change management~~ to assist~~help~~ staff understand and manage~~cope with the~~ associated changes. This effort considered ~~e plan focused on~~ NLM's vision for the future, a workforce analysis, listening and engagement sessions with ~~to receive~~ staff~~, feedback about challenges arising from the reorganization, and included Town Hall meetings, Brown Bag lunches with leadership, as well as smaller group discussions with division heads and division staff.~~
- A multi-pronged communications program was implemented in support of the NLM reorganization which included ~~instituted by the NLM Director included~~ Town Hall meetings and brown bag lunches with leadership, small group discussions with division heads and their staff, analysis of ~~s on the Institute's re-organization, communications, implementation of the NLM Strategic Plan, new and innovative programs, and the~~ Federal Employee Viewpoint Survey results~~,; Brown Bag lunches with the Director and leadership that addressed staff questions and concerns;~~ and a Wiki site providing staff with ongoing ~~with~~ updates~~, on organizational change and changes to existing and new programs.~~
    - *Emphasize how your organization has 'moved the needle' on employee engagement, accountability, and communication.*
- NLM instituted a new team-driven approach to actively engage employees in Library improvements~~, occurring in the library.~~ This included a data science training program for all NLM staff, as well as the establishment of ~~a~~across-cutting teams at NLM such as a Communications Team, ~~a~~ Policy Group, ~~as well as a~~ Strategic Plan Implementation Council, and an NLM Portfolio Analysis Team~~ both including representatives from each NLM division~~.
- NLM launched a workforce transformation initiative, *Data Science @NLM Training Program*, to enhance~~hone~~ NLM staff skills in d~~D~~ata s~~S~~cience. Staff a~~A~~ctivities included ~~a survey to assess~~ a skills assessment in 10 data science competencies, individual training plans ~~linked to NLM's Data Science Course Catalog~~, a Data Science Basics course for all staff, an intensive Data Science Fundamentals training pilot program ~~piloted by~~ with 25 staff members, and a Data Science Open House~~, for staff to showcase their data science journey~~. A case study created by NLM, "Building a Workforce for Data-Driven Research and Health" was adopted by OMB and will be included in an OMB toolkit for ~~to~~ agencies~~, interested in learning how others have prepared their workforces to work with data and new technologies~~.

Awards:

- Dr. Patricia Flatley Brennan, NLM Director
    - The 2018 Morris F. Collen Award of Excellence at the American Medical Informatics Association's 2018 annual symposium (received in November ~~4~~, 2018)
    - Columbia University School of Nursing Second Century Award for Excellence in Health Care 2019 Recipient – For excellence in advancing the health and well-being of our citizens (received May ~~21~~, 2019)

Comment [NJ([]: Is this the same bullet or are they unrelated? (a new bullet?) Or… Encourage citizen science BY IMPROVING access to high-quality science-based medical information.

Comment [SL([]: For internal reference; will be removed before submission to NIH OD

Comment [SL([]: For internal reference; will be removed before submission to NIH OD

- Dr. Eugene Koonin, senior investigator at NLM's National Center of Biotechnology Information ~~in NCBI~~ - 2019 Benjamin Franklin Award for Open Access in the Life Sciences - In recognition of his promotion of free and open access to the materials and methods used in the life sciences (received April 2019).
- Dr. Stephen Greenberg, at NLM's History of Medicine Division (HMD) - Membership in the Academy of Health Information Professionals (AHIP) as a Distinguished Member (received May 2019). ~~The Academy, a program of the Medical Library Association, is the peer-reviewed, accomplishment/portfolio-based certification and career development program for health information professionals. Academy membership indicates that the member's peers have certified meeting a standard of professional education, experience, and accomplishment that demonstrate a commitment to career development (May 31, 2019)~~
- Dr. Susan Speaker, HMD~~istory of Medicine Division~~ - Archivists and Librarians in the History of the Health Sciences (ALHHS) 2019 ALHHS best article award for "An Historical Overview of the National Network of Libraries of Medicine, 1985-2015," which appeared in the April 2018 issue of the *Journal of the Medical Library Association*.
- Craig Locatis, Lister Hill Center - Reviewer Excellence Award from the journal *Educational Technology Research and Development* (received October 2018)
- Olivier Bodenreider, Lister Hill Center - Elected to Fellowship in the International Academy of Health Sciences Informatics (July 2019)
- Bryant Pegram – 50 years of Public Service Award (received May ~~8,~~ 2019)

From: Huerta, Mike (NIH/NLM) [E]
Sent: 28 Aug 2019 14:34:21 +0000
To: Samsel, Leigh (NIH/NLM) [E]
Subject: RE: NLM Digital Metrics - Talk Sept 19 @ 1 - 130 / Lindberg Rm
Attachments: Elec Res Eval Plan Implementable Recommendations.docx, NLM Evaluation Task Force Members-w small group.docx

This effort was finished in the fall of 2017 – attached are some relevant docs that I think are self-explanatory. I chaired it and Fred Wood (who since retired) and Tony Chu were key in collecting, organizing, and to some extent, digesting a lot of info.

From: Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>
Sent: Wednesday, August 28, 2019 10:16 AM
To: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Subject: RE: NLM Digital Metrics - Talk Sept 19 @ 1 - 130 / Lindberg Rm

Thanks! This will be great.

Is the NLM Evaluation Task Force still active? Who all is/was on the task force? Is there a link or place on the Wiki I can find out more about it?

Thanks so much,
Leigh

Leigh Samsel, M.S.
Planning and Evaluation Officer
Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

Leigh.samsel@nih.gov
301-451-0162

From: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Sent: Wednesday, August 28, 2019 9:45 AM
To: Chu, Tony (NIH/NLM) [E] <tony.chu@nih.gov>; Federer, Lisa (NIH/NLM) [E] <lisa.federer@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>; Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>; Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>; Zaringhalam, Maryam (NIH/NLM) [C] <maryam.zaringhalam@nih.gov>; Zayas Caban, Teresa (OS/ONC/IO) <Teresa.ZayasCaban@hhs.gov>
Subject: NLM Digital Metrics - Talk Sept 19 @ 1 - 130 / Lindberg Rm

As you might be aware, for a few years NLM has been working on developing NLM-wide metrics for our publicly-facing digital resources. This started with implementable recommendations from the NLM Evaluation Task Force, to finer grain plans developed by Team 4 of the NLM IT Assessment, to a trans-NLM group that will now present how Google Analytics Prime, Qualtrics, and other tools will be used to give NLM a sense of how our resources are doing. This will be presented at 1 pm on September 19 in

the Lindberg Room and you are welcome to attend. Attached is a draft of the slides to give you a better sense of what this is about.

Michael F. Huerta, PhD
Director, Office of Strategic Initiatives
Associate Director, National Library of Medicine, NIH

NLM Evaluation Task Force
Recommendations and Implementation Framework

NLM's ability to maintain a strong presence in the electronic health information space depends in part on continuous learning and innovation in applying the best available web evaluation tools and practices. Recognizing this, the Director of NLM requested an inventory of the tools and approaches used by NLM to evaluate its major public-facing websites and other electronic resources, and to make recommendations for improved use of current and new tools going forward. The goal was to comprehensively cover information about the tools and approaches rather than comprehensively cover the resources.

NLM leadership was asked to identify staff to participate in this undertaking. Those staff comprised the NLM Evaluation Task Force, which assembled an inventory of 257 applications of some 80 tools and approaches. Also developed by the Task Force was a list of tools and approaches not currently used, but the use of which would be desirable. Finally, the Task Force developed a set of ideas and recommendations for how to best proceed in this space.

A subset of Task Force members (Implementation Subgroup) who had been very active in developing the ideas and recommendations was then asked to further consider them and develop an implementation framework with recommendations consolidated, integrated, prioritized, with budgets estimated, and with potential organizational homes identified. That implementation framework is presented below.

This framework represents a future with a multifaceted and integrated approach to the evaluation of public-facing web resources at NLM. Each element contains a core plan, which is the highest priority activity, plus one or more options that should also be considered (presented in order of priority). Each core plan and its options includes a brief description of its purpose, relative priority, implementation timeline, level of effort, budget, and possible lead NLM unit(s).

The framework is designed to build on significant ongoing activity and advance NLM in the application of web metrics and digital analytics evaluation tools and approaches. Fundamentally, the framework: (A) strengthens NLM staff through knowledge sharing, success stories, and lessons learned; (B) includes user/customer feedback as a core tool, and encourages staff training and exploration with a wide range of tools; (C) develops a trans-NLM platform for digital analytics data sharing, integration, and presentation/visualization; and (D) provides the needed management support, coordination framework, and funding.

Leadership is asked to consider the following priority actions:

1. Provide support for the overall plan direction as presented or as amended;
2. Designate a trans-NLM coordinating committee, and a senior level organizational sponsor, to help assure effective leadership, coordination, planning, budget, and staff availability;
3. Approve FY18 funding to support key activities—the estimated FY18 budget includes the following licensing and/or equipment costs (not including NLM staff time):
    a. Google Analytics Premium web metrics/digital analytics license, $330K;
    b. Qualtrics user feedback license, $230K;
    c. Tableau data integration license, $25K;
    d. Slack staff communications/archiving license, $15K;
    e. Test lab for demos/testing, equipment & software, $45K;
    f. Staff training, $25K.
        i. Total = $669K less $330 credit for GAP paid with FY17 funds = Net $339K FY18 funds.
4. Support in principle an annual base licensing budget of $600K (GAP, Qualtrics, Tableau, Slack) beyond FY18, recognizing that additional data streams, metrics, and/or dashboards beyond base could increase some licensing costs. (Licensing needs would be reviewed annually.)

A. NLM Digital Analytics Community Engagement

CORE PLAN: Improve trans-NLM communication – Members of the NLM Evaluation Task Force and others with similar interests/responsibilities should meet on a regular basis both in-person and online to discuss issues like those discussed in the NLM Evaluation Task Force meetings. Brooke Dine's LO/RWS Digital Analytics Community of Practice group could serve that purpose.

PURPOSE**:** Promote digital analytics knowledge sharing among NLM staff.
PRIORITY: Highest.
TIMING: Restart Digital Analytics Community of Practice in Jan 2018 on a bimonthly basis. Archive on Slack.
EFFORT: Estimated staff time 8-16 hours per meeting to organize; 3 presenters per meeting, 8-24 hours each to prepare (depends on content and amount of new material).
BUDGET: Staff time + Slack license est. $15K/year (140 seats). Slack would serve as a multi-purpose digital analytics communication platform.
LEAD NLM UNIT(s): LO RWS, with all divisions contributing where possible.

Option 1: Produce informative success stories/use cases – Produce concisely written success stories that describe how evaluative tools and approaches were used to address identified issues and/or improve various types of electronic resources. These success stories would inform others as they consider what methods to use with a specific electronic resource. They would also make the general point of why evaluative analysis is important.

PURPOSE: Share successes and lessons learned to promote useful tools and approaches and avoid duplication of effort.
PRIORITY: High.
TIMING: Implement incrementally during 2018. Present success stories at the Digital Analytics Community of Practice, and archive on Slack.
EFFORT: Estimated staff time 16-32 hours to develop a success story guidance/template, and 16-32 hours per success story for the author to write up (depends on content and complexity).
BUDGET: Staff time only. Use Slack or other platform selected for multi-purpose use by the NLM digital analytics community.
LEAD NLM UNIT(s): LO RWS.

Option 2: Learn from others (outside experts) – Bring in outside speakers on evaluation of electronic resources. The speaker series would be a good complement to a trans-NLM group such as the recommended NLM Digital Analytics Community of Practice.

PURPOSE: Enhance NLM staff knowledge through exposure to outside perspectives.
PRIORITY: Medium.
TIMING: Include intermittently as part of the Digital Analytics Community of Practice. Archive to Slack.
EFFORT: Estimated staff time 10 hours to select each speaker and help organize event.
BUDGET: Staff time + no cost for local speakers. Out of town speakers may require travel reimbursement.
LEAD NLM UNIT(s): LO RWS.

Option 3: Make internal expertise findable – Develop a way to identify and make accessible information about whom at NLM has expertise or experience with specific tools and approaches.

PURPOSE: Facilitate NLM staff access to internal knowledge and expertise via a directory.
PRIORITY: Medium.
TIMING: Implement by Mar 2018.
EFFORT: Estimated staff time 32-40 hours to organize on a commonly accessible platform and request staff with designated expertise to submit info, and 8 hours per month to manage. Should be mostly maintenance-free once set up.

BUDGET: Staff time only. Use Slack or other communications platform selected for the NLM digital analytics community.
LEAD NLM UNIT(s): LO RWS.

B. Digital Analytics Tools and Methods Exploration

CORE PLAN: Obtain user feedback – Highly desirable to include user feedback capability for all public-facing NLM websites. NLM has experience with ForeSee, Google Analytics, and Survey Monkey, but not yet with Qualtrics, a recommended user survey service. By adding a Qualtrics license as a potential replacement for ForeSee, NLM could compare actual performance and strengths/limitations of several user feedback tools, as well as assure robust user feedback data streams. This could also include a compilation of standard and custom questions used by the feedback tools, for comparative purposes and as a resource for NLM staff.

PURPOSE: Assure that NLM has the benefit of direct user feedback for the major public-facing websites.
PRIORITY: Highest.
TIMING: Q2/Q3 FY18 (prior to decisions on FY19 contracting).
EFFORT: Estimated staff time 80-120 hours.
BUDGET: Staff time + licenses for Google Analytics and Qualtrics. Core licensing costs are included in item C-Core, Data integration. NLM divisions may wish to add additional licenses beyond the NLM core.
LEAD NLM UNIT(s): LO RWS and OCCS.

Option 1: Expand training for evaluation tools and approaches – Expand opportunities for NLM electronic resources staff to have training on evaluation methods, tools, and software, and cross training on the intersection of digital analytics and data science. Some possibilities include NNLM training classes, the HHS Data Science CoLab, Lynda.com, Software Carpentry, Data Carpentry, and DigitalGov University.

PURPOSE: Strengthen NLM staff digital analytics expertise through enhanced training opportunities.
PRIORITY: High.
TIMING: Start in Jan/Feb 2018.
EFFORT: Estimated staff time 32-40 hours to research and organize, including free and fee-based training options, to be listed in a commonly accessible platform.
BUDGET: Staff time + training budget for external training and relevant conferences of $25K in FY18. Intended to supplement not supplant divisional training budgets.
LEAD NLM UNIT(s): LO RWS (organizing) & OHIPD (training budget).

Option 2: Develop an NLM test lab – Highly desirable would be computer(s) on which tools could be tested for their usefulness; ideally, the test lab would be enterprise-readable, accessible, secure, and free to staff.

PURPOSE: Provide NLM staff with a user friendly, flexible place to try out tools and software, and for hands-on training and demos.
PRIORITY: Medium.
TIMING: Mid to late FY18.
EFFORT: Estimated staff time 80-120 hours to plan, test, and implement, 16 hours per month to manage and monitor.
BUDGET: Staff time + $10K equipment and $35K software licensing. This assumes the test lab could piggy back on NLM licenses for related software--otherwise costs could be higher.
LEAD NLM UNIT(s): LO RWS and OCCS.

C. Digital Analytics Data Integration & Dashboard

CORE PLAN: Integrate and share digital analytics data from NLM websites – Invest in tools such as Google Analytics and Qualtrics to collect quantitative and qualitative user feedback and metrics. Make these data interactive and shareable across NLM. Highly desirable to have data be brought together from tools used for different kinds of analyses on a given electronic resource; for example, data from Qualtrics can be integrated with data from Google Analytics. A pilot project is proposed for FY18 to include a cross section of NLM websites, such as NLM Home Page, MedlinePlus, ClinicalTrials.gov, PubMed, Genetics Home Reference, AIDSinfo, and TOXNET (these examples are for illustrative purposes only, detailed implementation planning is required to assure the website selection fits within budget and technical parameters).

PURPOSE: Provide licensed software for key data streams on digital analytics and user feedback for data integration.
PRIORITY: Highest.
TIMING: Phase in during FY18. Prioritize as needed to support the development and implementation.
EFFORT: Estimated 0.4 FTE OCCS staff lead for FY18 + 24-40 hours average staff time per division (will vary by division).
BUDGET: Staff time + estimated $335K per year for Google Analytics enterprise license (note that the FY18 license has already been paid for) and est. $230K per year for Qualtrics user feedback license (note that if some current ForeSee users switch to Qualtrics that could offset $75K+). Budget estimate = $627K/year less $335K for GAP paid up in FY18 = $292K (not including divisional staff time). Any ForeSee cost offset TBD. Note: actual cost could be somewhat higher depending on the number of applications, domains, data points, and metrics included.
LEAD NLM UNIT(s): OCCS.

Option 1: Share data via a trans-NLM digital analytics dashboard – A proposed FY18 pilot project would include development of a dashboard with key metrics and performance data from a representative selection of NLM websites. The new dashboard would replace the current, technically obsolete Wiki sharing platform with a state-of-the-art system. Web metrics data and key performance indicators (KPIs) should be trackable, interactive, and shareable across NLM (e.g., Tableau software can do this). An example of the types of metrics that could be included was offered by GHR: "Key GAP metrics that GHR uses and reports include site traffic (e.g. users, sessions, page views), site performance (e.g. average page load speed), and acquisition (e.g. from search engines, direct traffic, etc.). We also use the Google suite of products to track GHR's performance in Google searches and to do A/B version testing of page elements." Detailed implementation planning will be needed to select the optimal set of web metrics and other performance data for dashboard presentation.

PURPOSE: Make website usage metrics data easy to view, understand, and share.
PRIORITY: Highest.
TIMING: Phase in during FY18, prioritize as needed to support the dashboard development and implementation.
EFFORT: Estimated 0.40 FTE OCCS staff lead for FY18 + 40 hours average staff time per division (will vary as a function of number and size of divisional websites).
BUDGET: Staff time + estimated $25K per year for Tableau software license (assumes 10 developers and 40 data provider seats). Budget estimate = $124K/year (not including divisional staff time). Note: cost estimates assume one dashboard.
LEAD NLM UNIT(s): OCCS, with all divisions contributing data.

Option 2: Enterprise-wide software licensing - To reduce costs, NLM-wide enterprise licensing of data sharing, data integration, and dashboard software, required for the core plan and option 1, and other digital analytic tools, should be explored and implemented where possible. Where appropriate, this could include a core NLM number of seats or scope of licensing, augmented where desired by an additional number of seats or broader scope that could benefit from economies of scale and reduced unit costs.

PURPOSE: Assure that NLM licensing of software is cost-effective and cost-competitive, consistent with quality and performance standards.
PRIORITY: High.
TIMING: Research the enterprise software licensing options available from or with NLM, CIT/NIH, HHS, GSA, etc., and prepare a staff memo.
EFFORT: 24-40 hours staff time per each lead unit.
BUDGET: Staff time only.
LEAD NLM UNIT(s): OCCS, LO RWS, NLM Office of Acquisitions.

D. Digital Analytics Management Framework

CORE PLAN: Coordinate evaluation and management of NLM evaluation activities – Desirable to have a high-level management coordination group, across divisions, to advocate for NLM digital analytics and electronic resource evaluation, strategic vision, capacity building, and appropriate funding. Further, this group should articulate a strategic view and vision of the value and role of digital analytics and evaluation to NLM's mission.

PURPOSE: To ensure that evaluation activities at NLM are carried out in a consistent, efficient, and useful way.
PRIORITY: Highest.
TIMING: Evaluate the organizational options over the next several months in consultation with NLM management, and prepare a pros/cons memo with a recommendation.
EFFORT: 16-24 hours staff time for each lead unit.
BUDGET: Staff time only for evaluation. Implementation cost depends on whether current staff/management could fulfill this role or whether new staff would be needed.
LEAD NLM UNIT(s): OHIPD, LO RWS, NCBI, OCCS, with input from LHC and SIS. (Lead TBD)

Option 1: Designate evaluation funding – Desirable to have the digital analytics management coordination group work with NLM top management to designate electronic resources evaluation as one of its funding priorities, to support implementation of tools and approaches such as those suggested by this task force.

PURPOSE: To provide necessary resources to carry out key evaluation activities.
PRIORITY: High.
TIMING: Develop plan over the next several months including budget estimates and funding priorities.
EFFORT: 16-24 hours staff time for each lead unit.
BUDGET: Staff time only.
LEAD NLM UNIT(s): OHIPD, LO RWS, NCBI, OCCS, with input from LHC and SIS.

Option 2: Determine evaluation best practices – Desirable for the digital analytics management coordination group to commission the preparation of a set of guidelines and/or policies indicating what kinds of evaluation can and should be done for public-facing electronic resources. This could be a menu of evaluation options with pros and cons. Perhaps this could be linked to names of NLM experts to get people started in the right direction. The success stories from above could be incorporated into this as well.

PURPOSE: To make sure we are spending time, effort, and resources on the best tools and approaches, and to ensure that these tools/activities are being used consistently by all relevant NLM projects.
PRIORITY: Medium.
TIMING: Develop digital analytics evaluation best practices hand book during FY18.
EFFORT: May require 0.5 FTE staff person for six months to research, prepare a draft, and conduct technical and programmatic review + 12-24 hours staff time per division for input/review. The guidelines could be cross-linked via the digital analytics community platform to NLM experts and the success stories mentioned earlier.
BUDGET: Staff time only, unless partially contracted out.
LEAD NLM UNIT(s): SIS, LO RWS, and NCBI, with staff input/review/assistance from other units.

Option 3: Use KPI approaches – Key Performance Indicator (KPI) approaches are used only infrequently at NLM and should be considered for wider use. HHS's ASPA provides a website performance measurement template. GSA's Digital Analytics Program another a good source of relevant information and training. Also, KPIs are closely related to the Logic Tree model used in program evaluation (see, e.g., the NNLM Evaluation Office). However, it will take some time to familiarize NLM staff and management with the KPI concept and to conduct KPI training and pilot testing.

PURPOSE: To create goals and success metrics for NLM websites and track their progress over time.
PRIORITY: Medium
TIMING: Early-mid FY18 to research and prepare a resource paper on KPI or equivalent, for review, and use to encourage pilot testing during FY18.
EFFORT: Estimated 16-32 hours each for lead units and 8 hours each for review/comments by other units.
BUDGET: Staff time only.
LEAD NLM UNIT(s): LO RWS, OCCS, with input from SIS and LO NNLM.

NLM Evaluation Task Force Members

(Implementation Subgroup members are highlighted)

EP
Alicia Ross
Alan Vanbiervliet

LHC
Michael Bopf
Dharitri Misra
Stephanie Morrison

LO
Terry Ahmed
David Anderson
Dan-Sung Cho
Kelly Quinn
Racheal Roan
Jennifer Sticco
Patricia Tuohy
Rebecca Warlow
Dan Wendling

NCBI
Eric Sayers
Bart Trawick

OCCS
Ekaterina Eby

OHIPD
Tony Chu
Fred Wood

SIS
Colette Hochstein
Alla Keselman

From: D'Souza, Ivor (NIH/NLM) [E]
Sent: 29 Aug 2019 18:01:40 +0000
To: Sheehan, Jerry (NIH/NLM) [E];Brennan, Patti (NIH/NLM) [E]
Subject: RE: Draft message to set up the IT pLanning meeting-- comments welcome
Attachments: IT Functional Audit Analysis.xlsx

Jerry,

Good point. There was no initiative that was geared towards IT consolidation. We have two initiatives related to IT:

- IT Services Functional Audit – spreadsheet that reports on IT functional costs is attached
- IT Assessment, which has supported improvements for IT "effectiveness" and the NPA among other things.

R,
IVOR

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Thursday, August 29, 2019 1:37 PM
To: D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Subject: RE: Draft message to set up the IT pLanning meeting-- comments welcome

My edits are in the text below. I'm not clear to me what activity is meant by the ongoing "IT consolidation planning effort" and how this new effort would differ from that one or leverage it. Is there some work we can point to, or a report?

Jerry
==========

I have placed a hold on your calendars for Tuesday Sept 3, 3:15-4:15 pm and Thursday Sept 5, 11-11:30 pm to discuss approaches to more effectively and efficiently manage NLM's IT resources.

NLM's growing need for strong information technology resources continues to outpace growth in our annual appropriation. It's time to find ways to ensure a strong and effective information technology resources for NLM, while eliminating unnecessary duplication and identifying common core services. Now that we have completed the IT audit and are about one year into the IT consolidation planning effort, it is time to formalize our planning for NLM-wide IT support. Banking on your collective insight and experience, it is my hope that we will align the management of our information technology resources in the best possible way to embrace opportunities in NLM's future.

I would like to use this meeting to identify approaches that we could accomplish in FY 2020 that would lead to a more effective and efficient management of IT resources at NLM.

Please come ready for discussion,

Patti

From: D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>
Sent: Thursday, August 29, 2019 1:16 PM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Draft message to set up the IT pLanning meeting-- comments welcome

Patti,

Please see my recommended text below. I made the following key changes, primarily affecting the original sentences highlighted in light blue below:

- I removed the sentence that says that you 'intend to preserve' certain activities in the divisions, because that gets people to begin thinking that they do not have to make a real business case for things to stay as-is because you're already onboard with that idea. I would prefer you not show your cards on this right now.

- I also removed the sentence that says you asked me to share the reports, etc. It would be preferable that the meeting you'll be hosting be the first time you are briefing any of us on this topic. This way Jim and Olivier won't come to the meeting feeling uncomfortable that you and I have already had a long discussion on this topic. It's best if we all hear 'for the first time' what's on your mind and then get to work from there. I'd recommend that at this meeting you officially charge me with things you want me to do, such as share reports, develop a concept plan for IT restructuring, etc.

- Overall, it's best to say that you're interested in the advancing the management of **IT resources** at NLM, not just IT infrastructure. Otherwise, we'll all get into nickel and diming what is infrastructure and what is not, and before you know it we'll find a way to label most things as being non-infrastructure. Software development is an IT resource, just like networks, desktop, etc. But, software development is likely where we spend most of our IT dollars, and very likely where our expenditures will increase most rapidly over time. So, if the intent is to not have duplication of software development (across the NLM divisions) then we should not leave it out of the discussion. I recommend leaving out the word 'infrastructure' in our discussion and talk about re-aligning all of IT – at least as a starting point.

Please let me know if you'd like to discuss any of these thoughts/recommendations.

R,
IVOR

<<<<<<<<<< recommended text below >>>>>>>>>
Our needs for investment in strong information technology resources continue to grow at a pace that exceeds our annual appropriation. It's time to find ways to ensure a strong and effective information technology resources for NLM, while eliminating duplication of common core services. Now that we

have completed the IT audit and are about one year into the IT consolidation planning effort, it is time to formalize our planning for NLM-wide IT support. Banking on your collective insight and experience, it is my hope that we will align the management of our information technology resources in the best possible way to embrace opportunities in NLM's future.

Building on the IT Audit and the IT Consolidation planning effort, I would like to use this meeting to identify approaches that we could accomplish in FY 2020 that would lead to a more effective and efficient management of IT resources at NLM.

I have placed a hold on your calendars for Tuesday Sept 3, 3:15-4:15 pm and Thursday Sept 5, 11-11:30 pm.

From: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Sent: Thursday, August 29, 2019 11:26 AM
To: D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: Draft message to set up the IT pLanning meeting-- comments welcome

Ivor, Jerry – Comments, please

Dear Ivor, Jerry, Jim, Olivier and Todd:

Our needs for investment in strong information infrastructure continue to grow at a pace that exceeds our annual appropriation. It's time to find ways to ensure a strong and effective NLM information infrastructure while eliminating duplication of common core services. Now that we have completed the IT audit and are about one year into the IT consolidation planning effort it is time to formalize our planning for NLM wide IT support. It is my intent that we should preserve in the division the IT activities that must be uniquely undertaken in support of the division work, and that we will create common approaches to common IT functions (e.g. security, desktop support, etc). It is my hope that we will become more effective and efficient, and that we

Building on the IT Audit and the IT Consolidation planning effort, I would like to use this meeting to identify approaches that we could accomplish in FY 2020 that would lead to a more effective and efficient IT infrastructure. I have asked Ivor to share with all of us the reports of the IT Audit and the IT consolidation planning effort.

I have placed hold on your calendars for Tuesday Sept 3 315-415 and Thursday Sept 5 11-1130 (IVOR, if you can move your USA meeting on 9.5, we could meet 1145-1245.)

Thanks in advance -I look forward to taking the next steps with you

Best

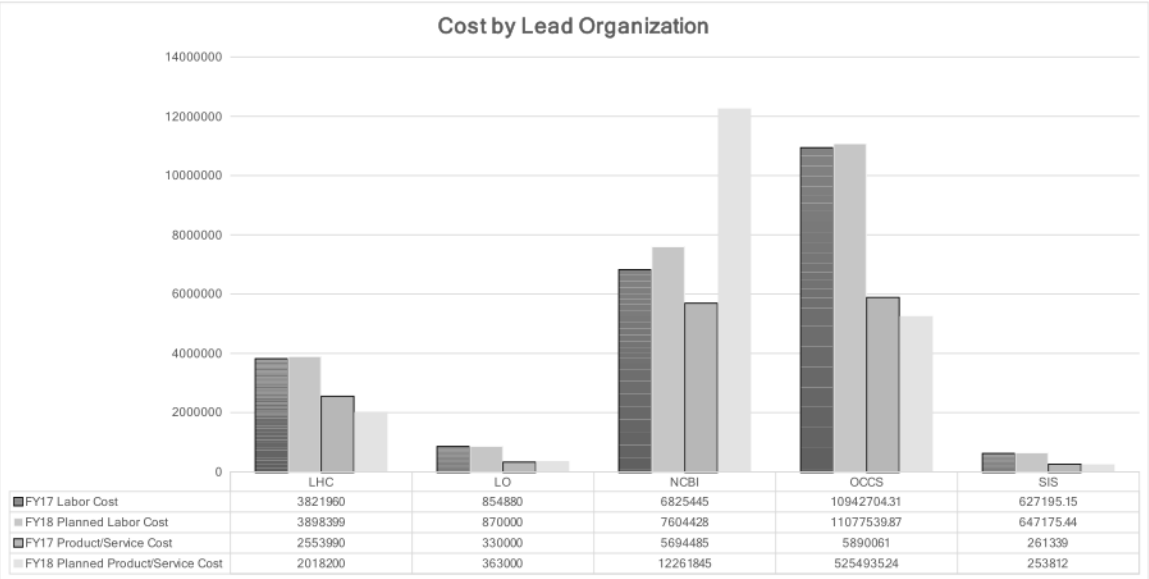
Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

Fiscal Year	Totals
2017	$37,802,059.46
2018	$44,249,334.55
Function	(All)

Data pulled from IT Functional Audit SharePoint site. If data doesn't refresh automatically, go to Data tab, click Refresh All

Org	FY17 Labor Cost	FY18 Planned Labor Cost	FY17 Product/Service Cost	FY18 Planned Product/Service Cost
LHC	3821960	$3,898,399.00	$2,553,990.00	$2,018,200.00
LO	$854,880.00	$870,000.00	$330,000.00	$363,000.00
NCBI	25445	7604428	[illegible]	[illegible]
OCCS	$10,942,704.31	$11,077,539.87	$5,890,061.00	$5,254,935.24
SIS	$627,195.15	$647,175.44	$261,339.00	$253,812.00
Grand Total	$23,072,184.46	$24,097,542.31	$14,729,875.00	$20,151,792.24



	LHC	LO	NCBI	OCCS	SIS
FY17 Labor Cost	3821960	854880	6825445	10942704.31	627195.15
FY18 Planned Labor Cost	3898399	870000	7604428	11077539.87	647175.44
FY17 Product/Service Cost	2553990	330000	5694485	5890061	261339
FY18 Planned Product/Service Cost	2018200	363000	12261845	525493524	253812

Fiscal Year	Totals
2017	$37,802,059.46
2018	$44,249,334.55

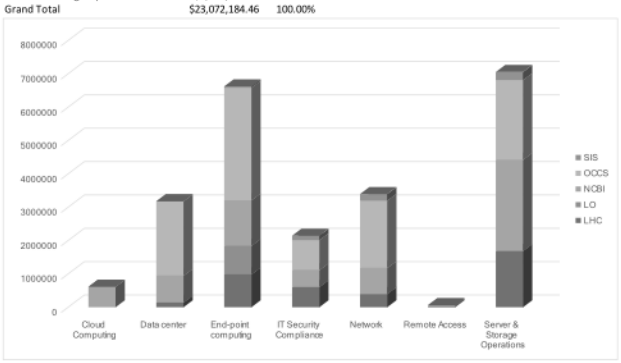
Data pulled from IT Functional Audit SharePoint site. If data doesn't refresh automatically, go to Data tab, click Refresh All

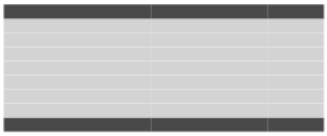
Function / Sub-Function	FY17 Actual Labor Cost	FY17 Actual Product/Service Cost	FY2017 Total	% FY2017 Total	FY18 Planned Labor Cost	FY18 Planned Product/Service Cost	FY2018 Total	% FY2018 Total	# Feds	# Contractors
Cloud Computing	$612,757.00	$639,927.00	$1,252,684.00	3.31%	$791,413.00	$1,997,000.00	$2,788,413.00	6.30%		0
Data center	3176296	2137886	5314182	0.140579166	3217820	1547287	4765107	0.107687653	6.15	14.54
End-point computing	**$6,623,025.83**	**$1,669,059.68**	**$8,292,085.51**	**21.94%**	**$6,800,089.36**	**$2,109,580.89**	**$8,909,670.25**	**20.14%**	**12.52**	**32.02**
IT Security Compliance	**$2,146,252.50**	**$357,674.00**	**$2,503,926.50**	**6.62%**	**$2,373,640.44**	**$337,458.00**	**$2,711,098.44**	**6.13%**	**2.25**	**7.8**
Network	**$3,395,239.85**	**$4,134,788.00**	**$7,530,027.85**	**19.92%**	**$3,616,470.17**	**$2,675,795.00**	**$6,292,265.17**	**14.22%**	**2.54**	**14.75**
Remote Access	**$64,261.76**	**$38,643.35**	**$102,905.11**	**0.27%**	**$65,852.23**	**$39,138.35**	**$104,990.58**	**0.24%**	**0.03**	**0.5**
Server & Storage Operations	**$7,054,351.52**	**$5,751,896.97**	**$12,806,248.49**	**33.88%**	**$7,232,257.11**	**$11,445,533.00**	**$18,677,790.11**	**42.21%**	**7.48**	**31.47**
Grand Total	**$23,072,184.46**	**$14,729,875.00**	**$37,802,059.46**	**100.00%**	**$24,097,542.31**	**$20,151,792.24**	**$44,249,334.55**	**100.00%**	**30.97**	**101.08**

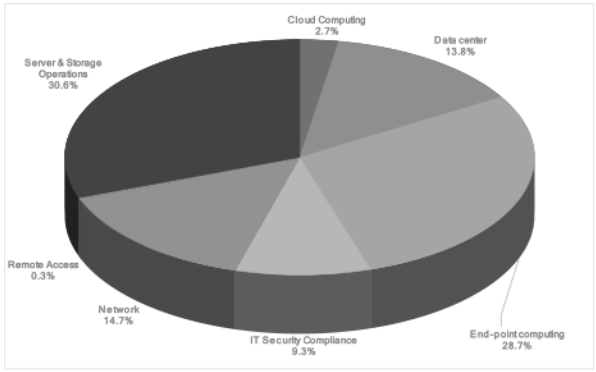
FY2017 Labor Costs

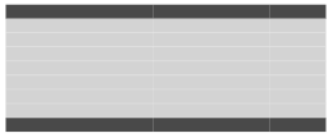
Sum of FY2017 Actual Labor Cc	Organization					
Function / Subfunction	LHC	LO	NCBI	OCCS	SIS	Grand Total
Cloud Computing			612757		0	612757
Data center	140649		805000	2230647	0	3176296
End-point computing	$983,905.00	-854,880.00	$1,368,000.00	$3,373,817.62	$42,423.21	$6,623,025.83
IT Security Compliance	$602,301.00		$508,038.00	$901,981.00	$133,932.50	$2,146,252.50
Network	$397,952.00		$778,550.00	$2,021,145.10	$197,592.75	$3,395,239.85
Remote Access	$10,446.00		$17,100.00	$25,476.72	$11,239.04	$64,261.76
Server & Storage Operations	$1,686,707.00		$2,736,000.00	$2,389,636.87	$242,007.65	$7,054,351.52
Grand Total	$3,821,960.00	-854,880.00	$6,825,445.00	$10,942,704.31	$627,195.15	$23,072,184.46

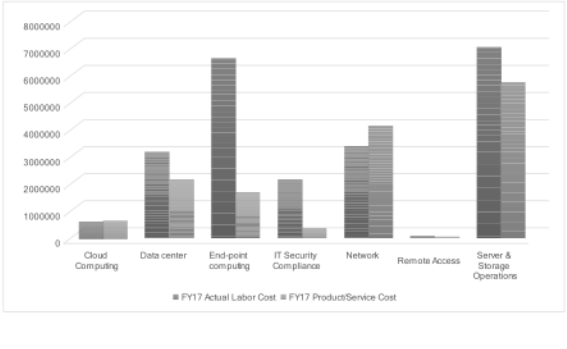
Function	FY17 Actual Labor Cost	% of Labor
Cloud Computing	$612,757.00	$0.03
Data center	$3,176,296.00	13.77%
End-point computing	$6,623,025.83	28.71%
IT Security Compliance	$2,146,252.50	9.30%
Network	$3,395,239.85	14.72%
Remote Access	$64,261.76	0.28%
Server & Storage Operations	$7,054,351.52	30.58%
Grand Total	$23,072,184.46	100.00%







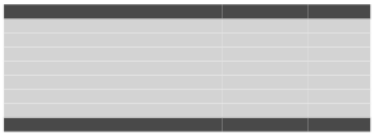


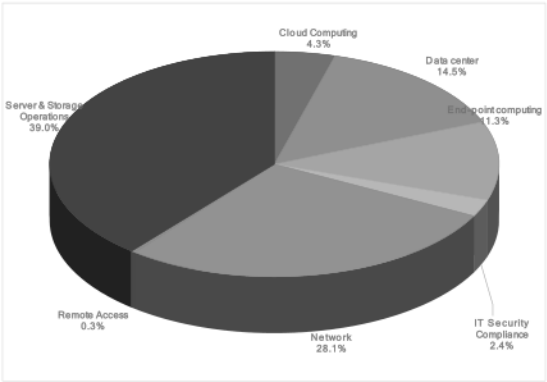


FY2017 Product / Service Costs

Sum of FY2017 Actual Product/Service Cost	Organization					
Function / Subfunction	LHC	LO	NCBI	OCCS	SIS	Grand Total
Cloud Computing			562927		77000	639927
Data center	170799			1967087	0	2137886
End-point computing	$554,214.00	$330,000.00	$75,879.00	$657,061.68	$51,905.00	$1,669,059.68
IT Security Compliance	$55,000.00			$270,674.00	$32,000.00	$357,674.00
Network	$597,008.00		$1,471,767.00	$2,062,213.00	$3,800.00	$4,134,788.00
Remote Access	$2,505.00			$36,138.35	$0.00	$38,643.35
Server & Storage Operations	$1,174,464.00		$3,583,912.00	$896,886.97	$96,634.00	$5,751,896.97
Grand Total	$2,553,990.00	$330,000.00	$5,694,485.00	$5,890,061.00	$261,339.00	$14,729,875.00

Function	FY17 Product/Ser	% of Product Cost
Cloud Computing	$639,927.00	$0.04
Data center	$2,137,886.00	14.51%
End-point computing	$1,669,059.68	11.33%
IT Security Compliance	$357,674.00	2.43%
Network	$4,134,788.00	28.07%
Remote Access	$38,643.35	0.26%
Server & Storage Operations	$5,751,896.97	39.05%
Grand Total	$14,729,875.00	100.00%



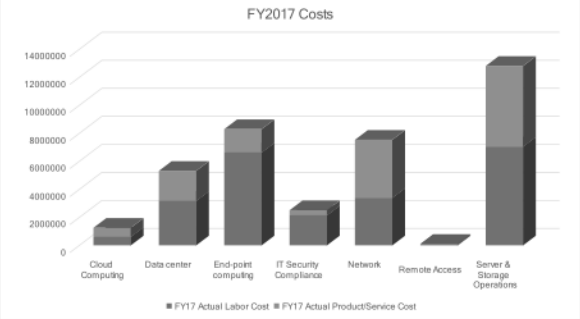


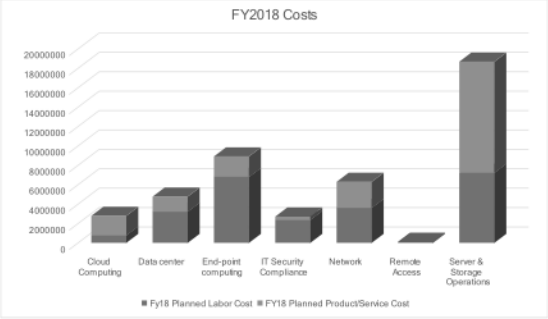
Function / Organization	FY17 Actual Labor Cost	FY18 Planned Labor Cost	Labor Costs Change	Labor Change	FY17 Actual Product/Service Cost	FY18 Planned Product/Service Cost	Product/Service Cost Diff	Product Cost Change
Cloud Computing	$612,757.00	$791,413.00	($178,656.00)	29.2%	$639,927.00	$1,997,000.00	($1,357,073.00)	212.1%
Consultant Cost	$612,757.00	$791,413.00	($178,656.00)	29.2%			$0.00	#DIV/0!
Service Provider Cost	**0**		**0**	**#DIV/0!**	**639927**	**1997000**	**-1357073**	**2.120668451**
Data center	**$3,176,296.00**	**$3,217,820.00**	($41,524.00)	**1.3%**	**$2,137,886.00**	**$1,547,287.00**	**$590,599.00**	**-27.6%**
24x7 Network Operations Center	**$1,933,356.00**	**$1,941,620.00**	($8,264.00)	**0.4%**	**$1,292,087.00**	**$952,087.00**	**$340,000.00**	**-26.3%**
Electrical & mechanical systems management	**$380,438.00**	**$388,398.00**	($7,960.00)	**2.1%**	**$675,000.00**	**$595,000.00**	**$80,000.00**	**-11.9%**
Environmental management & monitoring	**$23,816.00**	**$24,292.00**	($476.00)	**2.0%**	**$146.00**	**$200.00**	($54.00)	**37.0%**
Space & Rack management	**$838,686.00**	**$863,510.00**	($24,824.00)	**3.0%**	**$170,653.00**	**$0.00**	**$170,653.00**	**-100.0%**
End-point computing	**$6,623,025.83**	**$6,800,089.36**	($177,063.53)	**2.7%**	**$1,669,059.68**	**$2,109,580.89**	($440,521.21)	**26.4%**
Desktop, laptop and mobile device life-cycle management	**$6,087,980.83**	**$6,254,343.36**	($166,362.53)	**2.7%**	**$1,634,771.68**	**$1,809,580.89**	($174,809.21)	**10.7%**
IT Service Desk	**$535,045.00**	**$545,746.00**	($10,701.00)	**2.0%**	**$34,288.00**	**$300,000.00**	($265,712.00)	**774.9%**
IT Security Compliance	**$2,146,252.50**	**$2,373,640.44**	($227,387.94)	**10.6%**	**$357,674.00**	**$337,458.00**	**$20,216.00**	**-5.7%**
N/A	**$2,146,252.50**	**$2,373,640.44**	($227,387.94)	**10.6%**	**$357,674.00**	**$337,458.00**	**$20,216.00**	**-5.7%**
Network	**$3,395,239.85**	**$3,616,470.17**	($221,230.32)	**6.5%**	**$4,134,788.00**	**$2,675,795.00**	**$1,458,993.00**	**-35.3%**
Cable plant management	**$318,669.00**	**$325,058.80**	($6,389.80)	**2.0%**	**$197,629.00**	**$311,464.00**	($113,835.00)	**57.6%**
Network monitoring	**$0.00**	**$0.00**	**$0.00**	**#DIV/0!**	**$0.00**	**$0.00**	**$0.00**	**#DIV/0!**
Network security	**$1,315,950.50**	**$1,053,743.13**	**$262,207.37**	**-19.9%**	**$1,150,906.00**	**$412,250.00**	**$738,656.00**	**-64.2%**
Other network	**$0.00**	**$0.00**	**$0.00**	**#DIV/0!**	**$336,700.00**	**$0.00**	**$336,700.00**	**-100.0%**
Routers, switches, network management	**$1,760,620.35**	**$2,237,668.24**	($477,047.89)	**27.1%**	**$2,449,553.00**	**$1,952,081.00**	**$497,472.00**	**-20.3%**
Remote Access	**$64,261.76**	**$65,852.23**	($1,590.47)	**2.5%**	**$38,643.35**	**$39,138.35**	($495.00)	**1.3%**
Other remote access (Citrix, RDP, etc.)	**$60,631.76**	**$62,113.23**	($1,481.47)	**2.4%**	**$25,713.35**	**$26,208.35**	($495.00)	**1.9%**
VPN	**$3,630.00**	**$3,739.00**	($109.00)	**3.0%**	**$12,930.00**	**$12,930.00**	**$0.00**	**0.0%**
Server & Storage Operations	**$7,054,351.52**	**$7,232,257.11**	($177,905.59)	**2.5%**	**$5,751,896.97**	**$11,445,533.00**	($5,693,636.03)	**99.0%**
N/A	**$7,054,351.52**	**$7,232,257.11**	($177,905.59)	**2.5%**	**$5,751,896.97**	**$11,445,533.00**	($5,693,636.03)	**99.0%**
Grand Total	**$23,072,184.46**	**$24,097,542.31**	($1,025,357.85)	**4.4%**	**$14,729,875.00**	**$20,151,792.24**	($5,421,917.24)	**36.8%**

Organization / Function	FY17 Actual Labor Cost	FY2017 Labor Costs Per FTE	FY17 Actual Product/Service Cost	FY2017 Total	% FY17 Total	FY18 Planned Labor Cost	FY2018 Labor Costs Per FTE	FY18 Planned Product/Service Cost	FY2018 Total	% FY18 Total
LHC	$3,821,960.00	$186,255.36	$2,553,990.00	$6,375,950.00	16.87%	$3,898,399.00	$189,980.46	$2,018,200.00	$5,916,599.00	13.37%
Data center	$140,649.00	$203,839.13	$170,799.00	$311,448.00	0.82%	$143,461.00	$207,914.49	$200.00	$143,661.00	0.32%
End-point computing	$983,905.00	$172,918.28	$554,214.00	$1,538,119.00	4.07%	$1,003,583.00	$176,376.63	$480,000.00	$1,483,583.00	3.35%
IT Security Compliance	602301	182515.4545	55000	657301	0.017387968	614347	186165.7576	55000	669347	0.015126713
Network	$397,952.00	$197,005.94	$597,008.00	$994,960.00	2.63%	$405,912.00	$200,946.53	$280,000.00	$685,912.00	1.55%
Remote Access	$10,446.00	$149,228.57	$2,505.00	$12,951.00	0.03%	$10,655.00	$152,214.29	$3,000.00	$13,655.00	0.03%
Server & Storage Operations	$1,686,707.00	$192,766.51	$1,174,464.00	$2,861,171.00	7.57%	$1,720,441.00	$196,621.83	$1,200,000.00	$2,920,441.00	6.60%
LO	$854,880.00	$117,106.85	$330,000.00	$1,184,880.00	3.13%	$870,000.00	$119,178.08	$363,000.00	$1,233,000.00	2.79%
End-point computing	$854,880.00	$117,106.85	$330,000.00	$1,184,880.00	3.13%	$870,000.00	$119,178.08	$363,000.00	$1,233,000.00	2.79%
NCBI	$6,825,445.00	$187,770.15	$5,694,485.00	$12,519,930.00	33.12%	$7,604,428.00	$209,200.22	$12,261,845.00	$19,866,273.00	44.90%
Cloud Computing	$612,757.00	#DIV/0!	$562,927.00	$1,175,684.00	3.11%	$791,413.00	#DIV/0!	$1,800,000.00	$2,591,413.00	5.86%
Data center	$805,000.00	$161,000.00		$805,000.00	2.13%	$829,150.00	$165,830.00		$829,150.00	1.87%
End-point computing	$1,368,000.00	$171,000.00	$75,879.00	$1,443,879.00	3.82%	$1,409,040.00	$176,130.00	$273,219.00	$1,682,259.00	3.80%
IT Security Compliance	$508,038.00	$254,019.00		$508,038.00	1.34%	$680,260.00	$340,130.00		$680,260.00	1.54%
Network	$778,550.00	$148,295.24	$1,471,767.00	$2,250,317.00	5.95%	$1,058,872.00	$201,689.90	$709,200.00	$1,768,072.00	4.00%
Remote Access	$17,100.00	$171,000.00		$17,100.00	0.05%	$17,613.00	$176,130.00		$17,613.00	0.04%
Server & Storage Operations	$2,736,000.00	$171,000.00	$3,583,912.00	$6,319,912.00	16.72%	$2,818,080.00	$176,130.00	$9,479,426.00	$12,297,506.00	27.79%
OCCS	$10,942,704.31	$169,838.65	$5,890,061.00	$16,832,765.31	44.53%	$11,077,539.87	$171,931.40	$5,254,935.24	$16,332,475.11	36.91%
Cloud Computing		#DIV/0!		$0.00	0.00%		#DIV/0!	$120,000.00	$120,000.00	0.27%
Data center	$2,230,647.00	$148,709.80	$1,967,087.00	$4,197,734.00	11.10%	$2,245,209.00	$149,680.60	$1,547,087.00	$3,792,296.00	8.57%
End-point computing	$3,373,817.62	$145,110.44	$657,061.68	$4,030,879.30	10.66%	$3,474,237.02	$149,429.55	$941,456.89	$4,415,693.91	9.98%
IT Security Compliance	$901,981.00	$225,495.25	$270,674.00	$1,172,655.00	3.10%	$940,518.00	$235,129.50	$262,458.00	$1,202,976.00	2.72%
Network	$2,021,145.10	$225,071.84	$2,062,213.00	$4,083,358.10	10.80%	$1,947,806.10	$216,904.91	$1,682,795.00	$3,630,601.10	8.20%
Remote Access	$25,476.72	$84,922.40	$36,138.35	$61,615.07	0.16%	$26,022.65	$86,742.17	$36,138.35	$62,161.00	0.14%
Server & Storage Operations	$2,389,636.87	$185,243.17	$896,886.97	$3,286,523.84	8.69%	$2,443,747.10	$189,437.76	$665,000.00	$3,108,747.10	7.03%
SIS	$627,195.15	$181,795.70	$261,339.00	$888,534.15	2.35%	$647,175.44	$187,587.08	$253,812.00	$900,987.44	2.04%
Cloud Computing	$0.00	#DIV/0!	$77,000.00	$77,000.00	0.20%		#DIV/0!	$77,000.00	$77,000.00	0.17%
Data center	$0.00	#DIV/0!	$0.00	$0.00	0.00%	$0.00	#DIV/0!	$0.00	$0.00	0.00%
End-point computing	$42,423.21	$141,410.70	$51,905.00	$94,328.21	0.25%	$43,229.34	$144,097.80	$51,905.00	$95,134.34	0.21%
IT Security Compliance	$133,932.50	$178,576.67	$32,000.00	$165,932.50	0.44%	$138,515.44	$184,687.25	$20,000.00	$158,515.44	0.36%
Network	$197,592.75	$189,993.03	$3,800.00	$201,392.75	0.53%	$203,880.07	$196,038.53	$3,800.00	$207,680.07	0.47%
Remote Access	$11,239.04	$187,317.33	$0.00	$11,239.04	0.03%	$11,561.58	$192,693.00	$0.00	$11,561.58	0.03%
Server & Storage Operations	$242,007.65	$186,159.73	$96,634.00	$338,641.65	0.90%	$249,989.01	$192,299.24	$101,107.00	$351,096.01	0.79%
Grand Total	$23,072,184.46	$174,723.09	$14,729,875.00	$37,802,059.46	100.00%	$24,097,542.31	$182,488.01	$20,151,792.24	$44,249,334.55	100.00%

FY2017	$37,802,059.46	
Function	FY17 Actual Labor Cost	FY17 Actual Product/Service Cost
Cloud Computing	$612,757.00	$639,927.00
Data center	**3176296**	**2137886**
End-point computing	$6,623,025.83	$1,669,059.68
IT Security Compliance	$2,146,252.50	$357,674.00
Network	$3,395,239.85	$4,134,788.00
Remote Access	$64,261.76	$38,643.35
Server & Storage Operations	$7,054,351.52	$5,751,896.97
Grand Total	$23,072,184.46	$14,729,875.00

FY2018	$44,249,334.55	
Function	Fy18 Planned Labor Cost	FY18 Planned Product/Service Cost
Cloud Computing	$791,413.00	$1,997,000.00
Data center	**3217820**	**1547287**
End-point computing	$6,800,089.36	$2,109,580.89
IT Security Compliance	$2,373,640.44	$337,458.00
Network	$3,616,470.17	$2,675,795.00
Remote Access	$65,852.23	$39,138.35
Server & Storage Operations	$7,232,257.11	$11,445,533.00
Grand Total	$24,097,542.31	$20,151,792.24



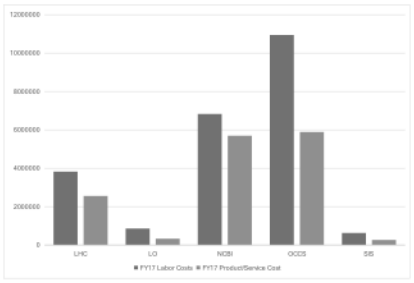


FY 17 Costs

Function (All)

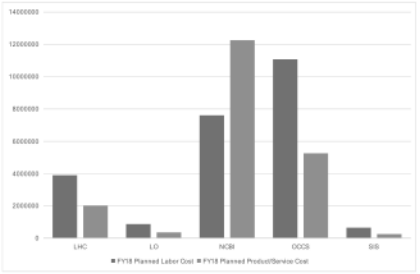
Sub-Function (All)

Division	FY17 Labor Costs	FY17 Product/Service Cost
LHC	$823,940	$13,999
LO	$854,880.00	$330,000.00
NCBI	$6,825,445.00	$5,694,485.00
OCCS	$10,942,704.31	$5,890,061.00
SIS	$627,195.15	$261,339.00
Grand Total	$23,072,184.46	$14,729,875.00



FY 18 Planned Costs

Division	FY18 Planned Labor Cost	FY18 Planned Product/Service Cost
LHC	$890,999	$18,200
LO	$870,000.00	$363,000.00
NCBI	$7,604,428.00	$12,261,845.00
OCCS	$11,077,539.87	$5,254,935.24
SIS	$647,175.44	$253,812.00
Grand Total	$24,097,542.31	$20,151,792.24



Function / Org	FY17 Actual Labor Cost	FY18 Planned Labor Cost	Labor Change	FY17 Actual Product/Service Cost	FY18 Planned Product/Service Cost	Product Cost Change
Cloud Computing	$612,757.00	$791,413.00	29.2%	$639,927.00	$1,997,000.00	212.1%
Data center	$3,176,296.00	$3,217,820.00	1.3%	$2,137,886.00	$1,547,287.00	-27.6%
End-point computing	6623025.83	6800089.36	0.026734537	1669059.68	2109580.89	0.263933768
IT Security Compliance	**$2,146,252.50**	**$2,373,640.44**	**10.6%**	**$357,674.00**	**$337,458.00**	**-5.7%**
Network	**$3,395,239.85**	**$3,616,470.17**	**6.5%**	**$4,134,788.00**	**$2,675,795.00**	**-35.3%**
Remote Access	**$64,261.76**	**$65,852.23**	**2.5%**	**$38,643.35**	**$39,138.35**	**1.3%**
Server & Storage Operations	**$7,054,351.52**	**$7,232,257.11**	**2.5%**	**$5,751,896.97**	**$11,445,533.00**	**99.0%**
Grand Total	**$23,072,184.46**	**$24,097,542.31**	**4.4%**	**$14,729,875.00**	**$20,151,792.24**	**36.8%**

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 30 Aug 2019 14:36:32 -0400
To: Nurik, Jody (NIH/NLM) [E]
Subject: ACTION REQUIRED (COMMUNICATION DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	CCRIS
Description	The CCRIS database contains chemical records with carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results. It was developed by the National Cancer Institute (NCI). Data are derived from studies cited in primary journals, current awareness tools, NCI reports, and other sources.
Document(s) Supporting Justification	TOXLINE retirement.docx SIS-sunset-resources.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Colette Hochstein Sanjay Jain

	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen
Communicated Message	CCRIS was originally created by the National Cancer Institute (NCI) and covers the years 1985 to 2011. It is part of TOXNET, and the information it contains is already incorporated into PubChem. On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage

	Information delivered at staff meetings Other: Tech Bulluetin
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, NCI
Communicated Message	CCRIS as a separate database will no longer be available after NLM's TOXNET is retired. In this format it will be available on the FTP site, and the data it includes is already part of NLM's PubChem. On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a

	complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Technical Bulletin Social Media Emails
Communication Frequency	Weekly Monthly
Retained Content	NLM Website FTP
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available vis a new TOXNET transition page.

Request Information	
Request ID	361
Task ID	601
Request Status	Associate Director Approved
Created By	Jeanne Goshorn
Date Created	07/29/2019 10:28 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Bartlett, Laura (NIH/NLM) [E]
Sent: 3 Sep 2019 16:45:41 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Wilson, Amanda (NIH/NLM) [E]
Subject: SIS materials in learn.nlm.nih.gov
Attachments: learn_db_sis_delete_list.xlsx

Hi Jody,

I reviewed the SIS materials in the learn.nlm.nih.gov database. Attached is the spreadsheet with the actions “delete” or “keep.” I do not have access to the database to delete these items.

I will work with OET to develop criteria your contractor can use to review the remaining materials – I will have that completed by next Wednesday.

Please let me know if you have any questions.

Thanks,
Laura

title	date last revised	action	notes
Searching TOXMAP by Chemical	5/11/2016	delete	Toxmap to be retired in 2019
ChemIDPlus®: Guide on the Side Tutorial – Chem	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/chemidplus
Disaster Preparedness, Response, and Recovery	3/26/2018	keep	program not retiring - all resources up to date
TOXMAP: Guide on the Side Tutorial	7/7/2017	delete	Toxmap to be retired in 2019 - link no longer active
ToxTutor	09/25/2017	keep	keep - resource still active
CHEMM (Chemical Hazards Emergency Medical M	5/12/2016	keep	change URL to: https://www.youtube.com/watch?v=I0f406KMIqA&list=PL345A15F1730EE1DD&index=56
TOXNET®: Guide on the Side Tutorial – TOXNET®	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/toxnet-things-to-know
LactMed: Guide on the Side Tutorial	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/lactmed
Drawing a Structure in ChemIDPlus	5/12/2016	delete	link no longer active
LiverTox: Guide on the Side Tutorial	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/livertox
NLM 4 Caregivers Fact Sheet	2/12/2018	delete	program no longer active
Mapping Your Community's Health	11/16/2016	delete	3 years old; program may be retired
Enviromental Health & Toxicology Information	2/13/2018	delete	confirmed w/ author; spelled wrong!; resources out of date; many to be retired
NLM Public Health Resources - Tutorial	3/28/2018	delete	resources out of date; many to be retired
Resources for Public Health Professionals	2/12/2018	delete	resources out of date
Recursos de información de la Biblioteca Nacion	3/26/2018	keep	confimed w/ author; is currently being updated
HIV/AIDS Information Resources from NLM - Trai	3/26/2018	keep	confirmed w/ author, is currently being updated
Environmental Health and Toxicology Informatio	2/12/2018	delete	resources out of date; many to be retired
Is The Environment Hazardous to our Health?	2/12/2018	delete	confirmed with author; resources out of date; many to be retired
K-12 Web Resources for Your Science Classroom	02/12/2018	delete	resources out of date; many to be retired
Web Resources for Pharmacy Professionals	2/12/2018	delete	resources out of date; many retired
TOXNET & Beyond: Using The NLM Environmenta	3/26/2018	delete	confirmed w/ author; resource out of date; may make more sense not to update considering merger of toxnet with pubchem
Connecting Communities to Health Information	2/12/2018	delete	resource out of date; many resources retired
HIV/AIDS Information Resource from the Nationa	3/26/2018	keep	resource page last update 8/21/19
NLM HIV/AIDS Web Resources Handout	3/26/2018	keep	resource out of date; needs ot be updated
Integrated Risk Information System (IRIS): Guide	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/iris
Hazardous Substances Data Bank: Guide on the S	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/hsdb2
Household Products Database: Guide on the Side	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/household-products-database
TOXMAP Tour	5/11/2016	delete	Toxmap to be retired in 2019 - link no longer active
TOXLINE®: Guide on the Side Tutorial – TOXLINE®	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/toxline-demonstration
ChemIDPlus®: Guide on the Side Tutorial – Chem	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/chemidplus---part-2
REMM (Radiation Emergency Medical Manageme	5/12/2016	keep	change URL to: https://www.youtube.com/user/remmwebsite
Distance Learning from the National Library of M	5/11/2018	delete	resource out of date
HealthReach: Health Information in Many Langua	05/29/2017	delete	resource out of date
Saturday Morning Revisited: K-12 Environmental	6/2/2016	delete	resource out of date
Haz-Map: Guide on the Side Tutorial	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/haz-map-tutorial
Toxics Release Inventory: Guide on the Side Tutc	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/toxics-release-inventory
A Fresh Look at SIS Favorites	9/1/2015	delete	resource out of date
Toxicology Tutors	9/29/2016	delete	duplicate record for: ToxTutor
TOXNET Tutorials and Recordings	9/1/2015	delete	resource not up to date
ToxLearn: A Multi-Module Toxicology Tutorial	9/29/2016	delete	resource not up to date; to be retired
WISER (Wireless Information System for Emerge	9/25/2017	keep	resource up to date
TOXNET (tri-fold)	12/13/2017	delete	resource out of date
Disaster Information Specialist Program Webinar	3/23/2017	keep	program still active; resource up to date
Disaster Health Information Sources: The Basics	9/25/2017	keep	program still active; resource up to date
Information Roles in Disaster Management	9/25/2017	keep	program still active; resource up to date
Arming Librarians on the Front Line as Disaster In	9/8/2015	delete	confirmed w/ dimrc
Librarians as Information Responders	4/30/2018	keep	confirmed w/ dimrc
A Seat at the Table: Working with Local Respond	9/25/2017	keep	program still active; resource up to date
US Response to Disasters and Public Health Emer	9/25/2017	keep	program still active; resource up to date
NLM Resources Used in Disasters	6/2/2016	delete	confirmed w/ dimrc
CBRNE (Chemical, Biological, Radiological, Nucle	9/25/2017	keep	program still active; resource up to date
Health and Disasters: Understanding the Interna	09/25/2017	keep	program still active; resource up to date
Social Media Analysis During Disasters	7/19/2018	keep	program still active; resource up to date
Packing Your Digital Go-Bag: Essential Disaster H	9/25/2017	keep	program still active; resource up to date

From: Carolyn Kurowski
Sent: 3 Sep 2019 21:10:53 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Subject: DRAFT Employee Message regarding SIS Products

Hi Dianne,

Here is the draft language we put together for you to send out regarding the status of SIS products. This was discussed by the team, and we had wanted to review it during last week's meeting but did not get a chance. I'd like to send it out to the team members to review this week, in advance of our meeting on Monday.

Background language from Dr. Brennan:

"To start, we're taking a good look at all of our public-facing services, from dbGaP to PubMed to MedlinePlus, from TOXNET to PubChem to ClinicalTrials.gov. We want to be sure the user experience for each of these services is the best it can possibly be. We also want to ensure the infrastructure is robust and sustainable, and that we haven't ended up with an awkward patchwork on the back end through a series of well-intentioned but disparate fixes and user-driven improvements. We need to launch the next decade on solid technological footing." Dr. Brennan, Blog post. *Moving Forward—Together (July 2018).*

One NLM emphasizes the integration of all our valuable divisions and services under a single mantle, and acknowledges the interdependency and engagement across our programs. Dr. Brennan, Blog Post. *One NLM (January 2017).*

As we go through the process of reviewing and evaluating the products and services formerly offered by SIS, we recognize that if we are going to achieve our vision of a robust, sustainable portfolio of aligned resources we are going to need to make difficult decisions about which resources we keep and which resources we transition to other organizations or sunset altogether. Asa result, we wanted to provide more information about how we are making our decisions and how we expect things to proceed. Our decisions are being guided by a programmatic approach that considers which product areas most directly support the NLM Strategic Plan and represent unique offerings from NLM. We are clear that NLM is committed to supporting key offerings in chemical, toxicology and environmental health, but we are also looking for opportunities to streamline or consolidate resources where appropriate. We have also determined that NLM will focus its Disaster-related products on published journal and gray-literature and products that provide chemically and toxicology related information. Across all of our offering, we will look for opportunities to integrate products into more currently support technology; for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. Stand-alone offerings and offerings without a strong infrastructure will need to be sunset. Our leaders will be working with teams that include those of you who have worked to make these products valuable and successful, OCCS staff members who understand and can help guide us to the best technology decisions, and others who can help make appropriate plans for all of our resources over the *next 18 months*. We understand this may be challenging, but we also believe that these efforts will help us build a strong aligned and integrated platform that can reach that future vision Dr. Brennan laid out for all of us close to two years ago.

Carolyn Kurowski
Managing Partner
FMP Consulting
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ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

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ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

From: Nurik, Jody (NIH/NLM) [E]
Sent: 4 Sep 2019 13:01:33 +0000
To: Middleton, Grace (NIH/NLM) [C]
Subject: FW: SIS materials in learn.nlm.nih.gov
Attachments: learn_db_sis_delete_list.xlsx

From: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>
Sent: Tuesday, September 3, 2019 12:46 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>
Subject: SIS materials in learn.nlm.nih.gov

Hi Jody,

I reviewed the SIS materials in the learn.nlm.nih.gov database. Attached is the spreadsheet with the actions “delete” or “keep.” I do not have access to the database to delete these items.

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Please let me know if you have any questions.

Thanks,
Laura

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ChemIDPlus®: Guide on the Side Tutorial – Chem	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/chemidplus
Disaster Preparedness, Response, and Recovery	3/26/2018	keep	program not retiring - all resources up to date
TOXMAP: Guide on the Side Tutorial	7/7/2017	delete	Toxmap to be retired in 2019 - link no longer active
ToxTutor	09/25/2017	keep	keep - resource still active
CHEMM (Chemical Hazards Emergency Medical M	5/12/2016	keep	change URL to: https://www.youtube.com/watch?v=I0f406KMIqA&list=PL345A15F1730EE1DD&index=56
TOXNET®: Guide on the Side Tutorial – TOXNET®	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/toxnet-things-to-know
LactMed: Guide on the Side Tutorial	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/lactmed
Drawing a Structure in ChemIDPlus	5/12/2016	delete	link no longer active
LiverTox: Guide on the Side Tutorial	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/livertox
NLM 4 Caregivers Fact Sheet	2/12/2018	delete	program no longer active
Mapping Your Community's Health	11/16/2016	delete	3 years old; program may be retired
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NLM Public Health Resources - Tutorial	3/28/2018	delete	resources out of date; many to be retired
Resources for Public Health Professionals	2/12/2018	delete	resources out of date
Recursos de información de la Biblioteca Nacion	3/26/2018	keep	confimed w/ author; is currently being updated
HIV/AIDS Information Resources from NLM - Trai	3/26/2018	keep	confirmed w/ author, is currently being updated
Environmental Health and Toxicology Informatio	2/12/2018	delete	resources out of date; many to be retired
Is The Environment Hazardous to our Health?	2/12/2018	delete	confirmed with author; resources out of date; many to be retired
K-12 Web Resources for Your Science Classroom	02/12/2018	delete	resources out of date; many to be retired
Web Resources for Pharmacy Professionals	2/12/2018	delete	resources out of date; many retired
TOXNET & Beyond: Using The NLM Environmenta	3/26/2018	delete	confirmed w/ author; resource out of date; may make more sense not to update considering merger of toxnet with pubchem
Connecting Communities to Health Information	2/12/2018	delete	resource out of date; many resources retired
HIV/AIDS Information Resource from the Nationa	3/26/2018	keep	resource page last update 8/21/19
NLM HIV/AIDS Web Resources Handout	3/26/2018	keep	resource out of date; needs ot be updated
Integrated Risk Information System (IRIS): Guide	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/iris
Hazardous Substances Data Bank: Guide on the S	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/hsdb2
Household Products Database: Guide on the Side	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/household-products-database
TOXMAP Tour	5/11/2016	delete	Toxmap to be retired in 2019 - link no longer active
TOXLINE®: Guide on the Side Tutorial – TOXLINE®	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/toxline-demonstration
ChemIDPlus®: Guide on the Side Tutorial – Chem	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/chemidplus---part-2
REMM (Radiation Emergency Medical Manageme	5/12/2016	keep	change URL to: https://www.youtube.com/user/remmwebsite
Distance Learning from the National Library of M	5/11/2018	delete	resource out of date
HealthReach: Health Information in Many Langua	05/29/2017	delete	resource out of date
Saturday Morning Revisited: K-12 Environmental	6/2/2016	delete	resource out of date
Haz-Map: Guide on the Side Tutorial	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/haz-map-tutorial
Toxics Release Inventory: Guide on the Side Tutc	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/toxics-release-inventory
A Fresh Look at SIS Favorites	9/1/2015	delete	resource out of date
Toxicology Tutors	9/29/2016	delete	duplicate record for: ToxTutor
TOXNET Tutorials and Recordings	9/1/2015	delete	resource not up to date
ToxLearn: A Multi-Module Toxicology Tutorial	9/29/2016	delete	resource not up to date; to be retired
WISER (Wireless Information System for Emerge	9/25/2017	keep	resource up to date
TOXNET (tri-fold)	12/13/2017	delete	resource out of date
Disaster Information Specialist Program Webinar	3/23/2017	keep	program still active; resource up to date
Disaster Health Information Sources: The Basics	9/25/2017	keep	program still active; resource up to date
Information Roles in Disaster Management	9/25/2017	keep	program still active; resource up to date
Arming Librarians on the Front Line as Disaster In	9/8/2015	delete	confirmed w/ dimrc
Librarians as Information Responders	4/30/2018	keep	confirmed w/ dimrc
A Seat at the Table: Working with Local Respond	9/25/2017	keep	program still active; resource up to date
US Response to Disasters and Public Health Emer	9/25/2017	keep	program still active; resource up to date
NLM Resources Used in Disasters	6/2/2016	delete	confirmed w/ dimrc
CBRNE (Chemical, Biological, Radiological, Nucle	9/25/2017	keep	program still active; resource up to date
Health and Disasters: Understanding the Interna	09/25/2017	keep	program still active; resource up to date
Social Media Analysis During Disasters	7/19/2018	keep	program still active; resource up to date
Packing Your Digital Go-Bag: Essential Disaster H	9/25/2017	keep	program still active; resource up to date

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 5 Sep 2019 09:53:49 -0400
To: Brennan, Patti (NIH/NLM) [E]
Subject: ACTION REQUIRED (DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXNET
Description	TOXNET® (TOXicology Data NETwork) is a group of databases covering chemicals and drugs, diseases and the environment, environmental health, occupational safety and health, poisoning, risk assessment and regulations, and toxicology. I
Document(s) Supporting Justification	TOXNET Internal Communications Plan.docx TOXNET usage past 12 months.docx Second revision June 11 NLM TOXNET transition page and System message.docx TOXNET Transition Page implementation v3 (1).docx
Justification	Other: NLM is consolidatiing information into a few sustainable platforms for improved user experience, discoverability and efficiency.
Retirement Date	12/01/2019
Organization	DSIS

Key Staff Involved	Evan Bolton Colette Hochstein Jeffrey Beck Pertti Hakkinen Evgueni Kireev Stacy Lathrop Kim Pruitt Jeanne Goshorn Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen Jeanne Goshorn Wei Ma David Gillikin Terry Ahmed Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their

	content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	NLM Website
Additional Information	via PubChem, PubMed, Bookshelf, others

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, TOXNET colleagues at EPA, NIEHS, NNLM, etc.
Communicated Message	On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and

	healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	09/15/2019
Communication Channel(s)	Emails Other: GovD bulletins Technical Bulletin Social Media In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	NLM Website Other: Various .org sites specified on the TOXNET transition page
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available via a new TOXNET transition page.

Request Information	
Request ID	261
Task ID	621
Request Status	NLM Deputy Director Approved
Created By	Colette Hochstein
Date Created	06/11/2019 11:06 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 5 Sep 2019 10:17:28 -0400
To: Brennan, Patti (NIH/NLM) [E]
Subject: ACTION REQUIRED (DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	SIS Division Sunset
Description	Resources and programs of the Specialized Information Services will be sunset or integrated into Library Operations, OCCS and Lister Hill.
Document(s) Supporting Justification	SIS Internal Communications Plan.docx SISsunset.docx SIS-System-message.docx
Justification	Other: The SIS division is being sunset
Retirement Date	06/21/2019
Organization	DSIS
Key Staff Involved	Hua Chang

Internal Communication Plan	
Staff to be Informed	Jody Nurik
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with other NLM products. Please stay tuned to the communications

	from NLM about the status of the SIS products and services. The following staff and offices will be contacted as part of the process of sunsetting SIS: • NLM Leadership • NLM ALL broadcast message from the Director • NLM Customer Service • National Network Coordinating Office / National Network of Libraries of Medicine • Director and Deputy Director of NIH
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Other: NLM ALL broadcast message from the Director
Retained Content	NLM Website Other: Referrals on the website notice will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
Additional Information	RWS/WIM will report on SIS content on NLM main and send findings to LO or OCPL.

External Communication Plan	
External Stakeholders to be Informed	General public, SIS users
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with

	other NLM products. Please stay tuned to the communications from NLM about the status of the SIS products and services.
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Technical Bulletin Newsletter Social Media
Communication Frequency	One time message
Retained Content	NLM Website Other: Referrals will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
Page Redirected	Yes
Redirect URL	www.nlm.nih.gov
Additional Information	---

Request Information	
Request ID	221
Task ID	623
Request Status	NLM Deputy Director Approved
Created By	Janice Kelly
Date Created	06/04/2019 04:18 p.m.

APPROVE	**RETURN** *	**REJECT** *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 5 Sep 2019 10:27:16 -0400
To: Scott, Nicole (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: ACTION REQUIRED: NLM SUNSETTING REQUEST APPROVED

ATTENTION: The following Sunsetting Request has been **APPROVED**. Please draft an email to be sent to the NIH Director.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	SIS Division Sunset
Description	Resources and programs of the Specialized Information Services will be sunset or integrated into Library Operations, OCCS and Lister Hill.
Document(s) Supporting Justification	SIS Internal Communications Plan.docx SISsunset.docx SIS-System-message.docx
Justification	Other: The SIS division is being sunset
Retirement Date	06/21/2019
Organization	DSIS
Key Staff Involved	Hua Chang

Internal Communication Plan	
Staff to be Informed	Jody Nurik
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with other NLM products. Please stay tuned to the communications

	from NLM about the status of the SIS products and services. The following staff and offices will be contacted as part of the process of sunsetting SIS: • NLM Leadership • NLM ALL broadcast message from the Director • NLM Customer Service • National Network Coordinating Office / National Network of Libraries of Medicine • Director and Deputy Director of NIH
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Other: NLM ALL broadcast message from the Director
Retained Content	NLM Website Other: Referrals on the website notice will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
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External Communication Plan	
External Stakeholders to be Informed	General public, SIS users
Communicated Message	On June 23, 2019 the National Library of Medicine (NLM) Division of Specialized Information Services will be merged with the Division of Library Operations, and other parts of NLM. In 1966 the President's Science Advisory Committee concluded there was an urgent need for a coordinated, complete, computer-based file of toxicological information. Toxicology databases became part of NLM's online biomedical resources after a 1967 mandate from Congress to establish the NLM Toxicology Information Program (TIP), retitled in 1994 as the Toxicology and Environmental Health Information Program (TEHIP), part of NLM's Division of Specialized Information Services (SIS).The Toxicology Data Network (TOXNET) was created in 1985 to provide more effective access to these databases. TOXNET has been among the world's largest collection of toxicology databases. Over the past 50 years, SIS has expanded its services to other areas, including outreach to underserved and special populations, HIV/AIDS, and disaster/emergency preparedness and response. This change in NLM organizational structure is in keeping with its commitment to the NLM Strategic Plan 2017-2027: A Platform for Biomedical Discovery and Data-Powered Health, that focuses on accelerating discovery and advancing health through data-driven research. The new organizational structure enables NLM to make the best use of its talents and resources, and to improve efficiency and overall effectiveness. By eliminating unnecessary boundaries between units, NLM is striving to create a more collaborative environment for Its curation teams and a universal infrastructure for its technical teams, ensuring the integrity and sustainability of key SIS products and creating a common technical platform for delivering products and services. NLM is committed to support key functions in toxicology and environmental health and other important aspects of SIS. All key products and services are undergoing an exhausted review. Some will continue and others will be discontinued or integrated with

	other NLM products. Please stay tuned to the communications from NLM about the status of the SIS products and services.
Date the Message will be Sent	06/14/2019
Communication Channel(s)	Emails Technical Bulletin Newsletter Social Media
Communication Frequency	One time message
Retained Content	NLM Website Other: Referrals will include: • For toxicology and environmental health information, visit <NEW TEHIP HOME PAGE>. • For chemical and drug information, visit ChemIDplus, NLM Drug Portal, or PubChem. • For HIV/AIDS, visit AIDSinfo, or AIDSource. • For Outreach Activities, visit <OET Main Website> • For Disaster information, visit Disaster Information. • For K-12 science and health education, visit <TOXTOWN Student Section>
Page Redirected	Yes
Redirect URL	www.nlm.nih.gov
Additional Information	---

Request Information	
Request ID	221
Task ID	623
Request Status	Approved
Created By	Janice Kelly
Date Created	06/04/2019 04:18 p.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 5 Sep 2019 10:29:46 -0400
To: Scott, Nicole (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Subject: ACTION REQUIRED: NLM SUNSETTING REQUEST APPROVED

ATTENTION: The following Sunsetting Request has been **APPROVED**. Please draft an email to be sent to the NIH Director.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXNET
Description	TOXNET® (TOXicology Data NETwork) is a group of databases covering chemicals and drugs, diseases and the environment, environmental health, occupational safety and health, poisoning, risk assessment and regulations, and toxicology. I
Document(s) Supporting Justification	TOXNET Internal Communications Plan.docx TOXNET usage past 12 months.docx Second revision June 11 NLM TOXNET transition page and System message.docx TOXNET Transition Page implementation v3 (1).docx
Justification	Other: NLM is consolidatiing information into a few sustainable platforms for improved user experience, discoverability and efficiency.
Retirement Date	12/01/2019
Organization	DSIS
Key Staff Involved	Evan Bolton

	Colette Hochstein Jeffrey Beck Pertti Hakkinen Evgueni Kireev Stacy Lathrop Kim Pruitt Jeanne Goshorn Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen Jeanne Goshorn Wei Ma David Gillikin Terry Ahmed Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their

	content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	NLM Website
Additional Information	via PubChem, PubMed, Bookshelf, others

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, TOXNET colleagues at EPA, NIEHS, NNLM, etc.
Communicated Message	On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and

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Date the Message will be Sent	09/15/2019
Communication Channel(s)	Emails Other: GovD bulletins Technical Bulletin Social Media In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	NLM Website Other: Various .org sites specified on the TOXNET transition page
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available via a new TOXNET transition page.

Request Information	
Request ID	261
Task ID	621
Request Status	Approved
Created By	Colette Hochstein
Date Created	06/11/2019 11:06 a.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Melby, Beth
Sent: 6 Sep 2019 03:10:13 +0000
To: Huerta, Mike (NIH/NLM) [E];Samsel, Leigh (NIH/NLM) [E]
Cc: Efrom, Neil (NIH/NLM/NCBI) [C];Mnev, Anatoly (NIH/NLM/NCBI) [E]
Subject: RE: [EXT] FW: 9-4-19 NPATT meeting minutes
Attachments: 9-4-19 NLM NPA Tool Team Meeting Notes and Action Items vF .docx

Hi Mike and Leigh,

We have reviewed the NPATT notes and propose the attached version as the final version.

Thank you,
Beth

From: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Sent: Thursday, September 5, 2019 2:04 PM
To: Melby, Beth <bmelby@mitre.org>; Efrom, Neil (NIH/NLM/NCBI) [C] <neil.efrom@nih.gov>; Mnev, Anatoly (NIH/NLM/NCBI) [E] <anatoly.mnev@nih.gov>
Cc: Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>
Subject: [EXT] FW: 9-4-19 NPATT meeting minutes

Hi all – Attached are Leigh's notes – they look good to me, but please let Leigh know whether they look good to you, too. Thanks – Mike

---

From: Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>
Sent: Wednesday, September 4, 2019 7:49 PM
To: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Subject: 9-4-19 NPATT meeting minutes

Hi Mike,

Here are today's meeting minutes. Please feel free to send your edits directly to Beth and Neil since I will be in training all day tomorrow.

Thanks!
Leigh

Leigh Samsel, M.S.
Planning and Evaluation Officer
Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

Leigh.samsel@nih.gov
301-451-0162

9/4/19 NLM NPA Tool Team Meeting Notes and Action Items

Attendees:

Dianne Babski
Olivier Bodenreider
Philip Chuang
Neil Efrom
Mike Huerta
Ken Koyle
Mayowa Ijagbemi
Wei Ma
Beth Melby
Anatoly Mnev
Kim Pruitt
Leigh Samsel
Rex Shuler
Samantha Tempchin

Facilitation Slides:

Meeting Notes:

- Review Action Items from last week
    - OCPL to remove main webpage from Business Resources list altogether after data call
    - LO to add customer service as division-specific Business Resource in final submission
    - Update attributes file definition to be clear that there is no direct mapping between Offerings and SP elements
    - Discuss with Patti whether it would be useful for leadership to have NIH TAPS accounted for in the portfolio dashboard
        - Patti does want TAPS represented as a block expenditure
- Offering Data Call Check-In
    - EP, OCCS, and OCPL submitted
    - LO – received feedback from all but one respondent (OET)
    - NCBI – received feedback from all but one respondent who is on travel and will submit next week
    - LHS – submitted; needs to confirm that the file submitted is the final draft
    - Feedback received
        - Concern about new resources and new resources organizations which have been added by respondents during data call
            - One external data resource was added for medical device information
            - OSI will compile new additions, bring to NPATT to confirm whether resource makes sense and ensure new additions aren't duplicated and aren't already in template
            - Divisions can decide whether to change their submissions to add new resource
        - Is Resource owner needed for dashboard?

- Use case for Resource owner may not have articulated need adequately
    - When Patti receives inquiry from users of resources, she can know who to ask for information
    - For specific URL/site, you don't know specific owner because that resource has been grouped together in data call
- Decision: This information will not be portrayed in the dashboard. The IT Service Inventory from the IT assessment has owners and can furnish this information

- Group Discussion Points
    - Review Proposed Process for NPA Financial Data Call
        - Confirm use cases and attributes required
            - What level of financial data granularity is needed to respond to use cases?
            - Does the management question make sense, and does it lead to the data needed to answer the question?
        - Offering Consolidation Use Case
            - Attributes are needed to inform discussions but information itself doesn't answer what can be consolidated
            - May want to add another layer which would help identify specific attributes needed (e.g. for Offerings that support the same customer, customer name would be attribute needed)
                - If Offerings use the same resources and customers, there is an opportunity for consolidation
            - The current UC was developed before a lot of consolidation occurred. Consolidation has now occurred
                - E.g. TOXNET content now in PubChem and NCBI Bookshelf
                - LO absorbed SIS products and is identifying products which are similar; this will be captured at the resource level rather than offering level; can provide how much resource costs in overall offering
                - Resources have been consolidated and grouped together; groupings can be refined
            - The idea was to have info needed to make decisions on Offerings which can be consolidated
            - Discussion of UC attributes:
                - <u>Question:</u> Do we need to know how Offering Consolidation is supporting the NLM Strategic Plan?
                    - <u>Decision</u> – Remove Strategic Plan attributes from the UC; unnecessary
                - <u>Question:</u> What level of cost granularity is needed for Offering Consolidation? (e.g. is it important to capture whether salary is FTE vs contractor?)
                    - Collect higher level information this round to be an indicator to initiate deeper data collection when merited

- Decision: Cost-wise expenditure will be at Tower level
- Decision: Mapping to strategic plan and cost pools attribute should be removed

- Inter-NLM Collaboration Use Case
  - Concern over inability to find all connections through resource. Therefore, the same approach as was used in the baseline will be used for the UC. Collaboration will be identified by Divisions accounting for expenditures for offerings outside their Division,
    - In the future, NPATT should look into assigning costs at the resource level
  - Question: Has the group agreed to assign cost to the Tower level and no more granular?
    - Prototype template presented by OCCS at the previous meeting shows how Divisions will be able to assign cost to Offerings across all divisions to get a total NLM cost
    - Non-IT Towers will be standardized to facilitate comparable reporting
      - Preliminary list of non-IT towers will be reviewed next meeting
    - **ACTION ITEM:** MITRE will update working and attributes for Inter-NLM Collaboration Use Case
- IT Spend Analysis Use Case
  - Question: What is needed from OCCS/Ivor to help reporting?
    - Deeper TBM tower data needed; however, Ivor agreed to higher level for NPA data collection purposes
    - Higher level appropriate for initial analysis and can collect at deeper level in future
    - Resources used by multiple offerings will be revealed
    - Goal is to identify what services we are supporting and what are the costs
    - Patti's questions are
      - How do we reduce the cost of IT?
      - What are IT totals (magnitude by category)?
      - Patti discussed with Ivor
    - IT Spend may be level 2 use case

- Next meeting
  - Review List of Non-IT towers to determine categories to be used by all Divisions alongside IT Towers

ACTION ITEMS:

Item	Responsible	Due Date	Comments
MITRE will update working and attributes for Inter-NLM Collaboration Use Case	MITRE	9/11	
Propose new wording for Inter-NLM Collaboration Use Case	MITRE	9/11	

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 6 Sep 2019 18:37:43 -0400
To: Brennan, Patti (NIH/NLM) [E]
Subject: ACTION REQUIRED (DIRECTOR APPROVAL) - NLM SUNSETTING REQUEST

ATTENTION: The following Sunsetting Request requires your approval.

Please review the request below and select "APPROVE", "REJECT" or "RETURN". Selecting "RETURN" will return this request to its submitter for resubmission.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXLINE
Description	TOXLINE is a bibliographic database currently part of TOXNET that is created by merging currently bibliographic data from PubMed, technical report data from NTIS, grant information from NIH's RePorter, and other archival data from various sources.
Document(s) Supporting Justification	TOXLINE retirement.docx
Justification	Other: When TOXLINE was first developed (in 1972) the science of toxicology was just emerging as a recognized field for research involving several different scientific disciplines such as biochemistry, pharmacology, physiology, etc. Some of the toxicology literature was covered by MEDLINE, but much of it was not, so other relevant abstracting and indexing services were used to obtain additional literature in toxicology to merge with MEDLINE in order to create the "more complete computer-based file of toxicological information" called for by the President's Scientific Advisory Committee in 1967. Since then, MEDLINE has expanded its journal coverage significantly and other online

	sources of toxicology information are readily available. It is no longer necessary for NLM to create a merged database of this information. we will continue to maintain a subset filter in PubMed to make searching for toxicology information easy for users. In addition, the archived parts of TOXLINE will be available on the NLM FTP site.
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	Part of the TOXNET transition to NCBI involves retiring TOXLINE and directing users to the toxicology subset on PubMed
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Users who license TOXLINE and get it in xml from our FTP site Online users
Communicated Message	TOXLINE will be retired on 1 December 2019. The toxicology subset will be available on PubMed, and older archived parts of TOXLINE will be available on the FTP site.
Date the Message will be Sent	06/03/2019
Communication Channel(s)	Technical Bulletin Newsletter
Communication Frequency	One time message
Retained Content	FTP Other: toxicology subset of PubMed
Page Redirected	No
Additional Information	---

Request Information	
Request ID	162

Task ID	662
Request Status	NLM Deputy Director Approved
Created By	Jeanne Goshorn
Date Created	05/08/2019 10:42 a.m.

APPROVE	RETURN *	REJECT *

* *Comment required*

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Nurik, Jody (NIH/NLM) [E]
Sent: 7 Sep 2019 12:12:57 +0000
To: Scott, Nicole (NIH/NLM) [E]
Subject: FW: SIS materials in learn.nlm.nih.gov
Attachments: learn_db_sis_delete_list.xlsx

FYI…

From: Bartlett, Laura (NIH/NLM) [E] <bartlettl@mail.nlm.nih.gov>
Sent: Tuesday, September 3, 2019 12:46 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Cc: Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>
Subject: SIS materials in learn.nlm.nih.gov

Hi Jody,

I reviewed the SIS materials in the learn.nlm.nih.gov database. Attached is the spreadsheet with the actions “delete” or “keep.” I do not have access to the database to delete these items.

I will work with OET to develop criteria your contractor can use to review the remaining materials – I will have that completed by next Wednesday.

Please let me know if you have any questions.

Thanks,
Laura

title	date last revised	action	notes
Searching TOXMAP by Chemical	5/11/2016	delete	Toxmap to be retired in 2019
ChemIDPlus®: Guide on the Side Tutorial – Chem	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/chemidplus
Disaster Preparedness, Response, and Recovery	3/26/2018	keep	program not retiring - all resources up to date
TOXMAP: Guide on the Side Tutorial	7/7/2017	delete	Toxmap to be retired in 2019 - link no longer active
ToxTutor	09/25/2017	keep	keep - resource still active
CHEMM (Chemical Hazards Emergency Medical M	5/12/2016	keep	change URL to: https://www.youtube.com/watch?v=I0f406KMIqA&list=PL345A15F1730EE1DD&index=56
TOXNET®: Guide on the Side Tutorial – TOXNET®	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/toxnet-things-to-know
LactMed: Guide on the Side Tutorial	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/lactmed
Drawing a Structure in ChemIDPlus	5/12/2016	delete	link no longer active
LiverTox: Guide on the Side Tutorial	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/livertox
NLM 4 Caregivers Fact Sheet	2/12/2018	delete	program no longer active
Mapping Your Community's Health	11/16/2016	delete	3 years old; program may be retired
Enviromental Health & Toxicology Information	2/13/2018	delete	confirmed w/ author; spelled wrong!; resources out of date; many to be retired
NLM Public Health Resources - Tutorial	3/28/2018	delete	resources out of date; many to be retired
Resources for Public Health Professionals	2/12/2018	delete	resources out of date
Recursos de información de la Biblioteca Nacion	3/26/2018	keep	confimed w/ author; is currently being updated
HIV/AIDS Information Resources from NLM - Trai	3/26/2018	keep	confirmed w/ author, is currently being updated
Environmental Health and Toxicology Informatio	2/12/2018	delete	resources out of date; many to be retired
Is The Environment Hazardous to our Health?	2/12/2018	delete	confirmed with author; resources out of date; many to be retired
K-12 Web Resources for Your Science Classroom	02/12/2018	delete	resources out of date; many to be retired
Web Resources for Pharmacy Professionals	2/12/2018	delete	resources out of date; many retired
TOXNET & Beyond: Using The NLM Environmenta	3/26/2018	delete	confirmed w/ author; resource out of date; may make more sense not to update considering merger of toxnet with pubchem
Connecting Communities to Health Information	2/12/2018	delete	resource out of date; many resources retired
HIV/AIDS Information Resource from the Nationa	3/26/2018	keep	resource page last update 8/21/19
NLM HIV/AIDS Web Resources Handout	3/26/2018	keep	resource out of date; needs ot be updated
Integrated Risk Information System (IRIS): Guide	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/iris
Hazardous Substances Data Bank: Guide on the S	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/hsdb2
Household Products Database: Guide on the Side	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/household-products-database
TOXMAP Tour	5/11/2016	delete	Toxmap to be retired in 2019 - link no longer active
TOXLINE®: Guide on the Side Tutorial – TOXLINE®	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/toxline-demonstration
ChemIDPlus®: Guide on the Side Tutorial – Chem	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/chemidplus---part-2
REMM (Radiation Emergency Medical Manageme	5/12/2016	keep	change URL to: https://www.youtube.com/user/remmwebsite
Distance Learning from the National Library of M	5/11/2018	delete	resource out of date
HealthReach: Health Information in Many Langua	05/29/2017	delete	resource out of date
Saturday Morning Revisited: K-12 Environmental	6/2/2016	delete	resource out of date
Haz-Map: Guide on the Side Tutorial	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/haz-map-tutorial
Toxics Release Inventory: Guide on the Side Tutc	7/7/2017	keep	change URL to: https://guides.nnlm.gov/tutorial/toxics-release-inventory
A Fresh Look at SIS Favorites	9/1/2015	delete	resource out of date
Toxicology Tutors	9/29/2016	delete	duplicate record for: ToxTutor
TOXNET Tutorials and Recordings	9/1/2015	delete	resource not up to date
ToxLearn: A Multi-Module Toxicology Tutorial	9/29/2016	delete	resource not up to date; to be retired
WISER (Wireless Information System for Emerge	9/25/2017	keep	resource up to date
TOXNET (tri-fold)	12/13/2017	delete	resource out of date
Disaster Information Specialist Program Webinar	3/23/2017	keep	program still active; resource up to date
Disaster Health Information Sources: The Basics	9/25/2017	keep	program still active; resource up to date
Information Roles in Disaster Management	9/25/2017	keep	program still active; resource up to date
Arming Librarians on the Front Line as Disaster In	9/8/2015	delete	confirmed w/ dimrc
Librarians as Information Responders	4/30/2018	keep	confirmed w/ dimrc
A Seat at the Table: Working with Local Respond	9/25/2017	keep	program still active; resource up to date
US Response to Disasters and Public Health Emer	9/25/2017	keep	program still active; resource up to date
NLM Resources Used in Disasters	6/2/2016	delete	confirmed w/ dimrc
CBRNE (Chemical, Biological, Radiological, Nucle	9/25/2017	keep	program still active; resource up to date
Health and Disasters: Understanding the Interna	09/25/2017	keep	program still active; resource up to date
Social Media Analysis During Disasters	7/19/2018	keep	program still active; resource up to date
Packing Your Digital Go-Bag: Essential Disaster H	9/25/2017	keep	program still active; resource up to date

From: Pfister, Troy (NIH/NLM/LHC) [E]
Sent: 9 Sep 2019 17:01:38 +0000
To: Brennan, Patti (NIH/NLM) [E]
Subject: Re: Summary of progress towards strategic plan
Attachments: Master Metrics.xlsx

Updated master sheet.

T.

From: "Brennan, Patti (NIH/NLM) [E]" <patti.brennan@nih.gov>
Date: Monday, September 9, 2019 at 12:05 PM
To: "Florance, Valerie (NIH/NLM) [E]" <florancev@mail.nlm.nih.gov>, "D'Souza, Ivor (NIH/NLM) [E]" <ivor@nih.gov>, "Huerta, Mike (NIH/NLM) [E]" <mike.huerta@nih.gov>
Cc: "Pfister, Troy (NIH/NLM/LHC) [E]" <ptroy@mail.nlm.nih.gov>
Subject: Summary of progress towards strategic plan

HI Valerie and Ivor – please fill in OR DELETE the rows associated with your area

Mike
-please check – this is for your discussion tomorrow

Thanks
Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

Associated initiative	Metric name	Performance	Owner(s)
1.1f Link articles to associated data sets	Number of articles in PubMed linked to data sets	391,193	Jon Ostvold
1.2a Expand funding for extramural research to support new biomedical data science initiatives (BPG and SBIR)		4 New initiatives supporting BDS (NIH Comp and Stat Skill, Personal Health Libraries, SBIR/STTR Pass-through FOA and SBIR/STTR Y&M) 15 awards. 5 NSF-NLM DSM Joint initiative grants (PIDE-NLM DSM initiative grants $1,361,625), 6 NSF Smart Connected Health grants (NSF Smart Connected Health grants $1,686,899 *NOTE- this is an estimate since 3 of the grants have not yet been awarded), 1 Personal Health Libraries grant (PY2019 Personal Health Libraries grants $322,282) and 2 Computational Curation grants (Computational Curation grants $686,642)	Valerie Florance
	Number of new initiatives		
1.2a Expand funding for extramural research to support new biomedical data science initiatives (BPG and SBIR)	Number of RPG grants funded from new initiatives		Valerie Florance
1.2f Expand collaboration with other ICs and agencies on data science oriented FOAs		**NIH Parent FOAs:** 7 (2 RO1s, 1 R21, 1R35/R00, 2 F30/F31, 1 1K99/ST99) **NIH Common Fund:** 5 (NIH Director's awards) **NIA/NLM Specialized FOA/Admin Supp:** 11 (1 R01 Simu Modeling, 1 R15, 1 Institut Admin Supp, 4 NIH WENL, 1 T32, 2 NIH diversity supps and 1 NIH-NIH joint initiative HG?-JAK-19-001)	Valerie Florance
	Number of multi-IC or agency FOAs joined		
1.2f Expand collaboration with other ICs and agencies on data science oriented FOAs	Number of new grants funded from joint FOAs in data science areas	Total of 15 grants funded: 6 NSF-NLM DSM Joint initiative grants, 5 NSF Smart Connected Health grants, 2 Personal Health Libraries grants and 2 Computational Curation grants	Valerie Florance
1.2g Expand funding for intramural research	Intramural research program budget % of total NLM budget	Not sure of %	Jon Ostvold/Mr Ears
1.2g Expand funding for intramural research	Intramural research program budget growth from baseline	Increase of $550K for Xiaoling Jiang	Jon Ostvold/Mr Ears
1.2h Hire NLM-wide scientific director	Lay out timeline and process - Hire by end of CY2019	Search Committee formed, vacancy announced.	Mike Huerta
1.2i Hire more intramural investigators	Number of investigators in NLM IRP – get 3 more by end of CY2019	1 here, 3 in process	Jon Ostvold
1.4f Mitigate high availability resources to the cloud	resources migrated	Not sure.	Jon Ostvold
1.4f Mitigate high availability resources to the cloud	Number of resources in the cloud	PGAP, ELGOT, PHEMI, SRA	Jon Ostvold
2.2c Increase support for GSR resource grants by expanding funding	Number of applications funded		Valerie Florance
2.3d Support scholarly works G13 grants relating to interests of primary NLM audiences		On target. 1 new awards and 1 ongoing award this year thus far totaling $182,720 in NLM IC cost (one new award on biomedical terminologies and their role in EC)	Valerie Florance
	Number of applications funded		
2.4a Support NNLM activities to enhance understanding of data science and advanced data management	Number of NNLM initiatives with data science focus	14 OTI	Joyce Backus
2.4a Support NNLM activities to enhance understanding of data science and advanced data management	Number of participants in data science focused NNLM initiatives	726 participants in FY19	Joyce Backus
2.4b Customer Experience IT Assessment	Establish performance indicators for at least five major NLM public facing information resources	NLM's IT Assessment program developed a volume measures (users, pageviews, sessions, bounce rate) and customer experience measures (net promoter score, overall satisfaction and task accomplishment).	Jeni O'Steen
2.4b Customer Experience IT Assessment	Implement a digital scorecard platform for measuring customer experience	Implemented a digital scorecard prototype using volume and customer experience measures. The scorecard has been implemented for PubMed, MedlinePlus, NLM Main Page, Docmed2.0/4D & DailyMed	Jeni O'Steen
1.4f NPN Tool Transition	Improve the quality and modify the organization of the information content of the NPN Tool by re-considering all attributes	Task Completed. Trans-NLM team (NPATT) reviewed, discussed, refined, re-defined, prioritized and reached consensus on all information elements, use cases, business rules, and internal relationships among them. NPATT plotted next steps and future directions and the FY19 data call - under this revised regime - has been issued.	Mike Huerta
3.1b Expand extramural training grant support for predoctoral biomedical data science (T1s)	Number of predoctoral trainees in NLM-supported programs	On target. 128 predoctoral trainees (9 of which are supports by NIDA)	Valerie Florance
3.1c Increase funding for postdoctoral fellowships in data science for mid-career researchers (F4)	Number of postdoctoral trainees in NLM-supported fellowships	On target: 70 postdoctoral trainees (5 of which are supported by NEI/4S). Launch of NLM-I-T program is still in development.	Valerie Florance
3.1d Increase funding for career transition awards in biomedical data science (K4	Number of data science focused K awards	During FY2019 NLM was not able to increase funding for K awards due to the sunsetting of NLM's participation the NIH K01 training only the K99 programs. 4 awards have been made during FY2019 and 3 are DS-focused. NLM's plan continues to be to increase funding for K awards.	Valerie Florance
3.2a Support partnerships to share NIH curriculum materials in biomedical data science with other NIH training programs	Number of partnerships supported	5 NDM Training sites supported (Utah, UHSU Yale, UCSD and Indiana)	Valerie Florance
3.2a Increase support for training partnerships with MSIs	Evidence of biomedical data science in curricula of MSI partners	3 MSI schools plan supports DS curricula in their application (Colorado, Pittsburgh and UNE-CRI)	Valerie Florance
3.3a Increase support for training partnerships with schools	Number of projects supported	2 Schools schools plan supports DS curricula in their application (U Washington and U Buffalo)	Valerie Florance
3.3a Increase support for partnerships with schools	Evidence of biomedical data science in curricula of school		Valerie Florance
3.3b Increase support for partnerships with schools	Number of projects supported	2 Schools schools plan supports DS curricula in their application (U Washington and U Buffalo)	Valerie Florance
3.3f NLM Data Science Assessment/Training	Number of people who took survey	Pre-survey = 758 Post-survey = 507	Joyce Backus
	New research activities in data science (1 project) Hajesh		Clem
	Recreation of '18 and '19a		Barbec, diane
	FHIR and tool building to advance interoperability		Clem
	Data science training (2?)	28 staff completed	Joyce
	Established CBT	This should be Joyce - Todd and I recommended CBT	Mike, todd
	Reorganization		Todd
	moved 50% of resources to sustainable platforms	Yes? Tiewei	Joyce, jim
	cancelled resources	Yes?	Jerry, Joyce
	Hackathons, reproducibility workshops	2-3 Codeathons, including 2 SUH-wide workshops on r	Mike
		NIH Labs a small group to propose a management structure for an ongoing "innovation investment" program that would allow NIH staff to apply for time/support for great ideas that could lead to new products and services or to new research areas. **Target date for draft document is October 1.**	
	NIAM labs		Valerie
	LM(1)		Clem
	Merged IBIC		Jerry
	Aligned intramural training program		Jerry
	Data Center redundant power and cooling		Jon/Todd

From: Woychik, Rick (NIH/NIEHS) [E]
Sent: 10 Sep 2019 01:40:06 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Schmitt, Charles (NIH/NIEHS) [E];Woychik, Rick (NIH/NIEHS) [E]
Subject: Fwd: Status of NLM Toxicology and Environmental Health Resources

Jerry,

Linda and I have asked our new Director of Data Science to get more details on how the NLM plans to proceed on these matters—and then to develop a plan on how to move forward. Would you mind if Charles contacted you to discuss your plans in more detail? Linda had the impression from Patti that you may still be supporting some of these resources. I will cc Charles on this note.

Thanks much,

Rick

Begin forwarded message:

> **From:** "Holmgren, Stephanie (NIH/NIEHS) [E]" <holmgre1@niehs.nih.gov>
> **Date:** September 4, 2019 at 3:02:02 PM EDT
> **To:** "Birnbaum, Linda (NIH/NIEHS) [E]" <birnbaumls@niehs.nih.gov>, "Woychik, Rick (NIH/NIEHS) [E]" <rick.woychik@nih.gov>, "Berridge, Brian (NIH/NIEHS) [E]" <brian.berridge@nih.gov>
> **Cc:** "Schmitt, Charles (NIH/NIEHS) [E]" <charles.schmitt@nih.gov>
> **Subject: Status of NLM Toxicology and Environmental Health Resources**
>
> Hi Linda, Rick, and Brian,
>
> As you know, NLM recently released its new strategic plan and is shifting resources in order to implement that plan. One of the impacts is disbanding of the Specialized Information Services (SIS) branch. SIS was responsible for numerous toxicology-related products; e.g., ToxNet (https://toxnet.nlm.nih.gov/), the EnviroTox Resource page (https://envirotoxinfo.nlm.nih.gov/), ToxMap (https://toxmap.nlm.nih.gov/toxmap/), and education resources like ToxTown (https://toxtown.nlm.nih.gov/), ToxTutor (https://toxtutor.nlm.nih.gov/), and Environmental Health Student Portal (https://kidsenvirohealth.nlm.nih.gov/), among many others. With SIS disbanding, it's unclear what is happening with each of their products.
>
> Based on a conversation with an NLM colleague yesterday, NLM is currently undertaking a review process of the products with the intent to sunset some of them by Fall 2019.

ToxMap's website already notes it will be retired in a few months. According to my colleague, ToxNet is also set to go offline in the fall.
ToxNet is the federated portal that allows a user to search across 16 toxicology, hazard, and environmental health databases at one time. For some of the databases, ToxNet is the only platform to access the data; e.g., ITER. For the NLM-supported databases (e.g., Hazardous Substance Data Bank, LactMed, DART, …) it's unclear which ones will continue to be maintained and how they will be made available. It is also unknown what will happen with the content for those that are sunset. It was suggested they might be made available through the data distribution page - https://www.nlm.nih.gov/databases/download/data_distrib_main.html.

I'm reaching out

1. to raise awareness in case you hadn't heard,
2. to determine if NIEHS/NTP is interested in exploring what role, if any, we want to have for products that are being sunset, and
3. to propose that we engage with NLM as they think through considerations for sunsetting these environmental health and toxicology resources. This would also be an opportunity to discuss future coordination around NTP/NIEHS data resources and those of NLM (e.g., PubChem).

Look forward to hearing your perspective and interest in our engaging with NLM.

Stephanie

From: Woychik, Rick (NIH/NIEHS) [E]
Sent: 10 Sep 2019 12:49:26 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Schmitt, Charles (NIH/NIEHS) [E]
Subject: RE: Status of NLM Toxicology and Environmental Health Resources

Jerry,

Wonderful, Charles will be in touch with you next week. Thanks! Rick

---

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Tuesday, September 10, 2019 8:43 AM
To: Woychik, Rick (NIH/NIEHS) [E] <rick.woychik@nih.gov>
Cc: Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>
Subject: RE: Status of NLM Toxicology and Environmental Health Resources

Rick,
I would be happy to discuss these changes with Charles. We are still making decisions about several of the resources, and part of what I am trying to do is understand which are unique and valued. I am about to head into Board meetings, so next week would be best for follow up: Mon after 3pm, Tues before 11am, or Weds before 1pm.

Thanks
Jerry

From: Woychik, Rick (NIH/NIEHS) [E] <rick.woychik@nih.gov>
Sent: Monday, September 9, 2019 9:40 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>; Woychik, Rick (NIH/NIEHS) [E] <rick.woychik@nih.gov>
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Cc: "Schmitt, Charles (NIH/NIEHS) [E]" <charles.schmitt@nih.gov>
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ToxNet is the federated portal that allows a user to search across 16 toxicology, hazard, and environmental health databases at one time. For some of the databases, ToxNet is the only platform to access the data; e.g., ITER. For the NLM-supported databases (e.g., Hazardous Substance Data Bank, LactMed, DART, …) it's unclear which ones will continue to be maintained and how they will be made available. It is also unknown what will happen with the content for those that are sunset. It was suggested they might be made available through the data distribution page - https://www.nlm.nih.gov/databases/download/data_distrib_main.html.

I'm reaching out

1. to raise awareness in case you hadn't heard,
2. to determine if NIEHS/NTP is interested in exploring what role, if any, we want to have for products that are being sunset, and
3. to propose that we engage with NLM as they think through considerations for sunsetting these environmental health and toxicology resources. This would also be an opportunity to discuss future coordination around NTP/NIEHS data resources and those of NLM (e.g., PubChem).

Look forward to hearing your perspective and interest in our engaging with NLM.

Stephanie

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 10 Sep 2019 21:05:13 +0000
To: Woychik, Rick (NIH/NIEHS) [E];Schmitt, Charles (NIH/NIEHS) [E]
Cc: Kight, Chianti (NIH/NLM) [C]
Subject: RE: Status of NLM Toxicology and Environmental Health Resources

Charles,
Let's go w/ 11 next Weds, 9/18. Here is a dial-in number:

650-479-3208
Access code: Passcode

Thanks
Jerry

From: Woychik, Rick (NIH/NIEHS) [E] <rick.woychik@nih.gov>
Sent: Tuesday, September 10, 2019 4:48 PM
To: Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: Status of NLM Toxicology and Environmental Health Resources

Charles and Jerry,

Good to see that the two of you are connecting! Thanks. Rick

From: Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>
Sent: Tuesday, September 10, 2019 4:44 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Woychik, Rick (NIH/NIEHS) [E] <rick.woychik@nih.gov>
Subject: Re: Status of NLM Toxicology and Environmental Health Resources

Hi Jerry,

Could we go with 11:00 am next Wednesday, 12 is also open? I can give you a call if you provide a good number.

Thanks,

Charles

From: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Date: Tuesday, September 10, 2019 at 8:42 AM
To: "Woychik, Rick (NIH/NIEHS) [E]" <rick.woychik@nih.gov>
Cc: "Schmitt, Charles (NIH/NIEHS) [E]" <charles.schmitt@nih.gov>
Subject: RE: Status of NLM Toxicology and Environmental Health Resources

Rick,

I would be happy to discuss these changes with Charles. We are still making decisions about several of the resources, and part of what I am trying to do is understand which are unique and valued. I am about to head into Board meetings, so next week would be best for follow up: Mon after 3pm, Tues before 11am, or Weds before 1pm.

Thanks
Jerry

From: Woychik, Rick (NIH/NIEHS) [E] <rick.woychik@nih.gov>
Sent: Monday, September 9, 2019 9:40 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>; Woychik, Rick (NIH/NIEHS) [E] <rick.woychik@nih.gov>
Subject: Fwd: Status of NLM Toxicology and Environmental Health Resources

Jerry,

Linda and I have asked our new Director of Data Science to get more details on how the NLM plans to proceed on these matters—and then to develop a plan on how to move forward. Would you mind if Charles contacted you to discuss your plans in more detail? Linda had the impression from Patti that you may still be supporting some of these resources. I will cc Charles on this note.

Thanks much,

Rick

Begin forwarded message:

> **From:** "Holmgren, Stephanie (NIH/NIEHS) [E]" <holmgre1@niehs.nih.gov>
> **Date:** September 4, 2019 at 3:02:02 PM EDT
> **To:** "Birnbaum, Linda (NIH/NIEHS) [E]" <birnbaumls@niehs.nih.gov>, "Woychik, Rick (NIH/NIEHS) [E]" <rick.woychik@nih.gov>, "Berridge, Brian (NIH/NIEHS) [E]" <brian.berridge@nih.gov>
> **Cc:** "Schmitt, Charles (NIH/NIEHS) [E]" <charles.schmitt@nih.gov>
> **Subject: Status of NLM Toxicology and Environmental Health Resources**
>
> Hi Linda, Rick, and Brian,
>
> As you know, NLM recently released its new strategic plan and is shifting resources in order to implement that plan. One of the impacts is disbanding of the Specialized Information Services (SIS) branch. SIS was responsible for numerous toxicology-related products; e.g., ToxNet (https://toxnet.nlm.nih.gov/), the EnviroTox Resource page (https://envirotoxinfo.nlm.nih.gov/), ToxMap (https://toxmap.nlm.nih.gov/toxmap/), and education resources like ToxTown (https://toxtown.nlm.nih.gov/), ToxTutor (https://toxtutor.nlm.nih.gov/), and Environmental Health Student Portal

(https://kidsenvirohealth.nlm.nih.gov/), among many others. With SIS disbanding, it's unclear what is happening with each of their products.

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I'm reaching out

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Look forward to hearing your perspective and interest in our engaging with NLM.

Stephanie

From: Samsel, Leigh (NIH/NLM) [E]
Sent: 11 Sep 2019 13:59:38 +0000
To: Crutchman, Alise (NIH/NLM) [E]
Cc: Nurik, Jody (NIH/NLM) [E];Fisher, Allison (NIH/NLM) [E];Melby, Beth;Efrom, Neil F.
Subject: FW: Please use this template- OCPL Submission
Attachments: Copy of Copy of NPA Phase 1 Data Collection 2019_OCPL_v24.xlsx

Ok, thanks Alise. We are going to be further discussing the mandate issue in today's meeting, as this has been an issue In many submissions. I will replace your original submission with this updated one.

Thanks so much!
Leigh

Leigh Samsel, M.S.
Planning and Evaluation Officer
Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

Leigh.samsel@nih.gov
301-451-0162

From: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Sent: Wednesday, September 11, 2019 9:53 AM
To: Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Please use this template- OCPL Submission

Hi Leigh,

We have combed through our records and it does not appear that any of OCPL's offerings were mandated. The only exception is FOIA which is The Freedom of Information Act 5 U.S.C. 552.

I've populated the FOIA information in the attached spreadsheet.

Please let us know if you need anything else.

Thank you,

Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 | Office: (301) 496-6308 |Mobile: Personal Info
Alise.Crutchman@nih.gov

From: Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>
Sent: Monday, September 9, 2019 8:45 AM
To: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Please use this template- OCPL Submission

Hi Alise, Jody, and Allison,

Thank you for the OCPL submission for the NPATT data call. I was going over all submissions and have a question about the OCPL response:

The Primary Legislative Authorization/Mandate Type and Mandate Reference were omitted for most of the OCPL Offerings. Is this because there is no mandate for these?

Thanks!
Leigh

From: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Sent: Tuesday, August 27, 2019 3:30 PM
To: Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Melby, Beth <bmelby@mitre.org>; Efrom, Neil (NIH/NLM/NCBI) [C] <neil.efrom@nih.gov>; Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>; Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>
Subject: RE: Please use this template- OCPL Submission
Importance: High

Good afternoon,

Please find the attached data call submission for OCPL.

If you have any questions or require any changes, please let us know by the end of this week. Monday is a holiday and Allison and I will be on travel beginning next Wednesday with limited access to internet.

Thank you,

Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine
National Institutes of Health
Direct: (301) 827-6493 | Office: (301) 496-6308 |Mobile: Personal Info
Alise.Crutchman@nih.gov

From: Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>
Sent: Friday, August 23, 2019 7:27 AM
To: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Please use this template
Importance: High

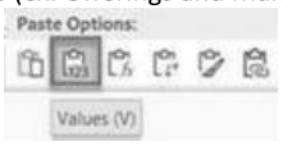
Good Morning Allison/Alise,

If you haven't started your data call, please use this template-Attached, we reformatted some cell (since when data is protected in excel, there are some format issues).

Also here some tips in case your submitters asking you (if they do copy/paste from other sources):

A. **From any source, except Excel**
   1. Select content to copy from any source (Word or website or email message or Notepad)
   2. Right-click on cell of tab (ex. Offerings and Mandates – Offering Description) in NPA template > Paste Special > **choose Text** OR

> move to **another cell**

B. **From Excel**
   1. Select content to copy from another spreadsheet or workbook
   2. Right-click on cell of tab (ex. Offerings and Mandates – Offering Description) in NPA template > Paste Value 

> move to another cell

Thanks-Wei

U.S. National Library of Medicine

2019 NLM Portfolio Analysis Initiative

	ormation To Be Submitted
	ering Ba
	stomers
Data Resources	Data Resou
Technical Resources	Technical R si
Business Resources	Business Re Responsible
External Resources	External Resource Name, its scope within NLM, and NLM Organization Responsible
2017 Strategic Initiatives	Offerings that can be associated with 2017 Strategic Initiatives
Strategic	

Initiative Overview

NLM has invested in the NLM Portfolio Analysis (NPA) initiative to inventory NLM Offerings (i.e., products, services, applications) that are provided to user constituencies. Data gathered during the inventory will be used to group Offerings into a logical structure that creates a holistic, organized picture of NLM's portfolio.

Workbook Purpose

The purpose of this workbook is to capture information about NLM Offerings in a standardized manner to generate the NLM portfolio inventory. This workbook is intended to be completed by Offering Owners. The Offering Owner is the primary point of contact for an offering, the person with hands-on expertise in what it does, who it reaches, and how it works. NPATT Representatives, NLM Division managers with Offering oversight responsibilities and participating on the NLM Portfolio Analysis Tool Team, should review all the information prior to submission to ensure accuracy and completeness.

Workbook Instructions

This workbook includes two (2) worksheets containing Instructions and a Glossary, and nine (9) worksheets to be completed by Offering Owners, as listed in the table below. For information and assistance in completing this workbook, contact your NPATT Representative.

For definitions of key terms used in this workbook, consult the Glossary.

The deadline for submission to the NPATT is **Wednesday, September 4, 2019, at 3:00 PM**.

Questions and completed submissions should be discussed with your NPATT Representative. If you are not sure on any request for information, consult with your NPATT Representative to obtain clarification.

The following individuals are NPATT Representatives by NLM Division:

- **Library Operations (LO):** Dianne Babski, Ken Koyle, Alla Keselman
- **Lister Hill Center for Biomedical Communication (LHC):** Olivier Bodenreider
- **National Center for Biotechnology Information (NCBI):** Anatoly Mnev, Kim Pruitt
- **Office of Computer and Communications Systems (OCCS):** Wei Ma, Philip Chuang, Rex Shuler
- **Office of Communications and Public Liaison (OCPL):** Jody Nurik, Alise Crutchman, Lisa Federer, Allison Fisher
- **Office of the Director (OD):** Eddie Rivera
- **Office of Strategic Initiatives (OSI):** Mike Huerta, Leigh Samsel, Sara Tam, Constance Young
- **Office of Extramural Programs (EP):** Samantha Tempchin

Phase 1 Data Call GLOSSARY

2019 NLM Portfolio Analysis Initiative

It	Definition
C	
C	
Customer Type	**Customer** segmentation based on user behavior.
	A **primary customer** is the intended target audience for an **NLM Offering** based on mission alignment, policy, or law.
	An **"other" customer** is the additional audiences who are using the NLM Offering.
NLM Offering	An external-facing (non-NLM) NLM product, service, and/or research program offered to satisfy a want or need of an existing or target user constituency.
Offering Description	A brief description of the product/service provided to **Customers**.
Offering Name	The full name of the **Offering** without information truncated by
Offering Name (Short)	"Brand name," the name used to take the **Offering** to market. If no **Offering Name (Short)**, use **Offering Name**.
Offering Sponsor Name	Refers to the person (usually a senior leader affiliated with the **NLM Offering's** organizational owner) who allocates fiscal resources to support an **Offering** and sets it in the NLM strategic context.
Offering Owner Name	Refers to the primary point of contact for an **NLM Offering,** the person with hands-on expertise in what it does, who it reaches, and how it works. The Offering Owner is involved with the **Offering** at the tactical/operational level where the decisions about managing and maintaining the **Offering** are made.
NLM Organization	The group of persons organized within NLM with responsibility to deliver a specific **NLM Offering**.
NLM Strategic Plan 2017	NLM planning document outlining the organization's vision, goals, objectives, and initiatives for the period 2017-2027.
NLM Strategic Plan 2017 Goal	The identifier and descriptive name (*e.g.*, Goal 1 - Accelerate discovery and advance health through data-driven research) of one of the three strategic goals of the **NLM Strategic Plan 2017-2027**. The Goal Name is listed in the ESM Software Suite.
NLM Strategic Plan 2017 Objective	The identifier and descriptive name (*e.g.*, 1.1 - Connect the resources of a digital research enterprise) of one of the 12 objectives under one of the three goals of the **NLM Strategic Plan 2017-2027**. The Objective Name is listed in the ESM Software Suite.
NLM Strategic Plan 2017 Initiative	The identifier and descriptive name (*e.g.*, 1.1a - Assessment of MeSH and Auto-Indexing) of an activity which is being conducted to implement the **NLM Strategic Plan 2017-2027**. The Initiative Name is listed in the ESM Software Suite.
NLM Strategic Project	The name of an activity that is being conducted to implement the NLM Strategic Plan 2017-2027. The Strategic Project name is **not** listed in the ESM Software Suite.
Primary Legislative Authorization/Mandate	A command or authorization for NLM to act in a particular way, such as to deliver certain **Offerings** (*i.e.*, products and services).
	The primary source of NLM's mandate or requirement to provide a specific **Offering**.
	Authorization by Federal Statute is legislation that permits a Federal agency to engage in an activity (*e.g.*, establish an organizational unit and provide a program or service) but does not necessarily provide information on how the agency is to implement the authority.

Primary Legislative Authorization/Mandate Type	**Active Interagency Agreement**: in addition to the regulations affecting NLM/NIH directly, other regulations may affect NLM indirectly when NLM partners with other agencies or collaborators via Interagency Agreement (IAA), Memorandum of Understanding (MOU), or informal collaboration agreement
	Executive Order, Memorandum, or Departmental (or Agency/NLM) Policy, Plan, or Guidance: published by the White House, a Federal agency (*e.g.*, NIH), or department (*e.g.*, HHS) -- could express "expectations" or actually mandate "requirements" from Federal statutes, provide detailed information on the implementation of policy, and could either address direct agency action or "customer" (*e.g.*
	A **Mandate by Federal Statute** is legislation that requires a Federal agency to engage in an activity.
Mandate Reference	The primary reference citation for the authorizing source legislation, policy, or regulation obligating NLM to provide resources and support for an **Offering** or group of **Offerings**.
Resource	A productive factor (*i.e.*, input) required to deliver an **NLM Offering** to its **Customers**.
Resource Name	Short name for the **Resource** that contributes to the delivery of an
Resource Type	The kind of **Resource** that contributes to the delivery of an **Offering**.
	Business: Person or people who perform manual processes that are required to deliver an Offering. Business Resources are often used in combination with **Technical** and **Data Resources** and either indirectly or directly support **Offerings**. Examples include management, outreach, training, customer service, and marketing. In addition, **Business Resources** also includes research that results in new approaches or scientific methods. However, **Business Resources** exclude research that results in a data asset. Other exclusions are software, hardware, or technical components, and development or curation activities to produce data assets. Business activities that build/update technologies fall under the **Technical Resource**; business activities that contribute
	Data: The data asset (*i.e.*, data set) and the person or people who produce, maintain, curate, and/or divest of data assets. **Offerings** often leverage **Data Resources**, and a **Data Resource** may also be provided as an **Offering**. Processes included within **Data Resource** include production, curation, quality assurance, and content development.
	External: A critical input to an **NLM Offering** that is obtained from a provider(s) external to NLM without cost to NLM. Without this contribution, offering delivery would be significantly impacted. **External Resources** are generated by other agencies (e.g., NIH, FDA) or institutions (INSDC) and then used to deliver an **NLM Offering**. External organizations such as contractors are NOT considered external resources; contractors are usually contracted to perform activities supporting business, data, or technical resources.
	Technical: A set of tangible assets supporting the technology needed to deliver an **Offering**. **Technical Resources** include mobile/web/desktop (developed by NLM teams)/cloud/data applications. For costing purposes, **Technical Resources** are supported by the combination of processes and functions of software, hardware, networks, telecommunications and electronics as well as facilities and equipment. Underpinning cost variables include: software development, integration and maintenance; hardware, networking and software procurement, integration, management and maintenance;
	Designation of the span of support associated with the **Resource**.

Resource Scope	**NLM-wide:** Indicates that the resource is available to and used across the enterprise (*i.e.*, multiple Divisions and Offices).
	Division-Specific: Indicates that the resource is available to, managed by, and used only by one Division for one or more Offerings.
	Offering-Specific: Indicates that the resource is developed for use by only one Offering and managed by the Division that owns the Offering.
	A value of **N/A** is applicable only for external resources.

Offering Basic Information and Mandates

Click on field name to see the definition. Columns with asterisk (*) are required fields. Select the most applicable Primary Legislative Authorization/Mandate Type from the dropdown list. Please limit Offering Description to 250 characters including Offering Name and spelling out acronyms. All other fields are free text.	Offerings				
	NIH MedlinePlus Magazine	Digital Platforms	Public Inquiry/Promotion/Outreach	NLM Strategic Unified Communications	NIH FOIA Services
	OCPL	OCPL	OCPL	OCPL	OCPL
	NIH MedlinePlus Magazine	Digital Platforms	Public Inquiry/Promotion/Outreach	NLM Strategic Unified Communications	NIH FOIA Services
	NIH MedlinePlus magazine is a quarterly publication produced by the NLM and the NIH. Produced in English and Spanish.	Musings from the Mez blog, NLM inFocus blog, NLM main Twitter, Facebook and YouTube pages.	NLM tours and special events, exhibits, conference and visitor services, public inquries, promotional materials, controlled correspondence, press/media including the AHCI fellowship	Strategic communications plans relating to corporate communications and identity guidelines.	A federal law that reqires the full or partial disclosure of previously unreleased information and documents.
Offering Sponsor Name*	Jody Nurik	Jody Nurik	Jody Nurik	Jody Nurik	Jody Nurik
Offering Owner Name*	Nicole Scott	Jody Nurik	Jody Nurik	Jody Nurik	Jody Nurik
Primary Legislative Authorization/Mandate Type*					Mandate by Federal Regulation
Mandate Reference*					The Freedom of Information Act 5 U.S.C. 552

Customers Served by Offering

Click on field name to see the definition.
Select Primary, Other from the dropdown list.
Select at least one Primary customer. You can have multiple customers as Primary.
Leave it BLANK if it is not a customer to your Offering.
You may not add a new Customer Name.

	Offerings				
	NIH MedlinePlus Magazine	Digital Platforms	Public Inquiry/Promotion/Outreach	NLM Strategic Unified Communications	NIH FOIA Services
	Other	Other	Other	Other	
Educator, college & post-grad	Other	Other	Other	Other	
Educator, K-12	Other	Other	Other	Other	
Emergency preparedness and response					
Federal agencies, departments, etc.	Other	Other	Other	Other	Other
General public	Primary	Other	Primary	Primary	Primary
Health care provider	Other	Other	Other	Other	
Historian		Other	Other	Other	
International Collaborations					
Journalist	Other	Other	Other	Other	
Library or information professional	Other	Primary	Other	Other	
National Institutes of Health	Other	Other	Other	Other	Other
Non-governmental organizations	Other	Other	Other	Other	Other
Public health professional	Other	Other	Other	Other	
Publisher			Other	Other	
Researcher	Other	Other	Other	Other	
Special Populations	Other	Other	Other	Other	
Student, college & post-grad	Other	Other	Other	Other	
Student, K-12			Other		

Data Resource Name, its scope within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the Data Resource name.
Leave it BLANK if a Data Resource is NOT used by the offering.
You may add new Data Resources at the bottom of this list if your Data Source is not listed.
The Resource Organization must be provided if your new Data Resource's scope is Division-Specific.

				Offerings				
				NIH MedlinePlus Magazine	Digital Platforms	Public Inquiry/Promotion/Outreach	NLM Strategic Unified Communications	NIH FOIA Services
Data	Malaria Datasets	Division-Specific	LHC					
Data	Medical Image Database (Armed Forces)	Division-Specific	LHC					
Data	Medpix	Division-Specific	LHC					
Data	Molecular Biopsy of Human Tumors	Division-Specific	LHC					
Data	National Health and Nutrition Examination Survey Database	Division-Specific	LHC					
Data	Newborn Screening Coding and Terminology Guide	Division-Specific	LHC					
Data	RxTerms	Division-Specific	LHC					
Data	Semantic MEDLINE Database	Division-Specific	LHC					
Data	SNOMED CT to ICD Mappings	Division-Specific	LHC					
Data	Specialist Lexicon and Lexical Tools	Division-Specific	LHC					
Data	Tuberculosis Images	Division-Specific	LHC					
Data	UMLS Semantic Network	Division-Specific	LHC					
Data	Visible Human Dataset	Division-Specific	LHC					
Data	ADAM Medical Encyclopedia	Division-Specific	LO					
Data	AIDSInfo	Division-Specific	LO					
Data	AIDSsource	Division-Specific	LO					
Data	AltBib	Division-Specific	LO					
Data	ArchivesSpace	Division-Specific	LO					
Data	CDE Repository	Division-Specific	LO					
Data	Chemical Hazards Emergency Medical Management (CHEMM)	Division-Specific	LO					
Data	ChemIDplus Data Assets	Division-Specific	LO					
Data	Circulating Now	Division-Specific	LO					
Data	Conservation Tracking Data Assets	Division-Specific	LO					
Data	DailyMed Data Assets	Division-Specific	LO					
Data	Data Discovery (from SIS)	Division-Specific	LO					
Data	Dietary Supplement Ingredient Database	Division-Specific	LO					
Data	Dietary Supplement Label Database	Division-Specific	LO					
Data	Digital Collections	Division-Specific	LO					
Data	Disaster Information Management Research Center (DIMRC) website	Division-Specific	LO					
Data	Disaster Lit: Database for Disaster Medicine and Public Health	Division-Specific	LO					
Data	DOCLINE Data Assets	Division-Specific	LO					
Data	Drug Information Portal Data Assets	Division-Specific	LO					
Data	Enviromental Health Student Portal	Division-Specific	LO					
Data	Environmental Health and Toxicology Information	Division-Specific	LO					
Data	FDA NJ	Division-Specific	LO					
Data	GHR	Division-Specific	LO					
Data	Hazardous Substances Data Bank (HSDB)	Division-Specific	LO					
Data	HealthReach	Division-Specific	LO					
Data	HMD Archive-It web archiving	Division-Specific	LO					
Data	HMD Circulating Now Blog	Division-Specific	LO					
Data	HMD Digital Gallery Data Assets	Division-Specific	LO					
Data	HMD Directories (DHMC & FAC)	Division-Specific	LO					
Data	HMD Finding Aids	Division-Specific	LO					
Data	HMD Medicine on Screen	Division-Specific	LO					
Data	HMD Online Exhibitions	Division-Specific	LO					
Data	Household Products Database	Division-Specific	LO					
Data	HSRIC	Division-Specific	LO					
Data	HSRProj	Division-Specific	LO					
Data	HSRR Data Assets	Division-Specific	LO					
Data	IndexCat Data Assets	Division-Specific	LO					
Data	Information Rx Data Assets	Division-Specific	LO					
Data	Integrated Risk Information System (IRIS)	Division-Specific	LO					
Data	International Toxicity Estimates for Risk (ITER)	Division-Specific	LO					
Data	Journal Donation Data Assets	Division-Specific	LO					
Data	LactMed	Division-Specific	LO					
Data	Learning Resources Data Assets	Division-Specific	LO					
Data	Licensed Drug Information	Division-Specific	LO					
Data	LinkOut for Libraries	Division-Specific	LO					
Data	LiverTox Data Assets	Division-Specific	LO					
Data	Loansome Doc Data Assets	Division-Specific	LO					
Data	LocatorPlus Data Assets	Division-Specific	LO					
Data	LOINC	Division-Specific	LO					
Data	Medical test monographs	Division-Specific	LO					
Data	Medicine on Screen	Division-Specific	LO					
Data	MedlinePlus Connect	Division-Specific	LO					
Data	MedlinePlus Data Assets	Division-Specific	LO					
Data	MedlinePlus en Español	Division-Specific	LO					
Data	MeSH Browser Data Assets	Division-Specific	LO					
Data	MeSH On Demand Data Assets	Division-Specific	LO					
Data	MeSH RDF Data Assets	Division-Specific	LO					
Data	MeSH Vocabulary	Division-Specific	LO					
Data	Nature Medicines (supplements)	Division-Specific	LO					
Data	NIH Disaster Research Response Program (DR2)	Division-Specific	LO					
Data	NLM Classification	Division-Specific	LO					
Data	NLM Digital Collections Data Assets	Division-Specific	LO					
Data	NNLM Web Resources	Division-Specific	LO					
Data	OERS - Outreach Evaluation and Reporting System Data Assets	Division-Specific	LO					
Data	Online Exhibitions	Division-Specific	LO					
Data	PHPartners	Division-Specific	LO					
Data	Pillbox	Division-Specific	LO					
Data	Profiles in Science Data Assets	Division-Specific	LO					
Data	Radiation Emergency Medical Management (REMM)	Division-Specific	LO					
Data	RxNorm	Division-Specific	LO					
Data	SFX Data Assets	Division-Specific	LO					
Data	SNOMED	Division-Specific	LO					
Data	Substance Registration System Data Assets	Division-Specific	LO					
Data	Tox Town Data Assets	Division-Specific	LO					
Data	Tox Tutor Data Assets	Division-Specific	LO					
Data	TOXLINE Data Assets	Division-Specific	LO					
Data	ToxMap Data Assets	Division-Specific	LO					
Data	TOXNET Data Assets	Division-Specific	LO					
Data	UMLS	Division-Specific	LO					
Data	UMLS Terminology Services (UTS) Data Assets	Division-Specific	LO					
Data	UTS Annual Report Data Assets	Division-Specific	LO					
Data	Voyager Data Assets	Division-Specific	LO					
Data	VSAC Data Assets	Division-Specific	LO					
Data	VSAC FHIR Data Assets	Division-Specific	LO					
Data	Wireless Information System for Emergency Responders (WISER) Data Assets	Division-Specific	LO					
Data	Antimicrobial Resistance Data Collection	Division-Specific	NCBI					
Data	BioConcepts Data Collection	Division-Specific	NCBI					
Data	BioSystems Data	Division-Specific	NCBI					
Data	Bookshelf Data Collection	Division-Specific	NCBI					
Data	CDD/SPARCLE Data	Division-Specific	NCBI					
Data	ClinicalTrials.gov Dataset	Division-Specific	NCBI					
Data	ClinVar Data Collection	Division-Specific	NCBI					
Data	CloneDB Data Collection	Division-Specific	NCBI					
Data	Contamination Screening Data	Division-Specific	NCBI					
Data	dbGaP Data Collection	Division-Specific	NCBI					
Data	dbSNP Data Collection	Division-Specific	NCBI					
Data	dbVar Data Collection	Division-Specific	NCBI					

Data	GenBank Dataset	Division-Specific	NCBI					
Data	GenColl/Assembly Data	Division-Specific	NCBI					
Data	Gene Data Collection	Division-Specific	NCBI					
Data	Genome Reference Consortium (GRC)	Division-Specific	NCBI					
Data	GEO Dataset	Division-Specific	NCBI					
Data	GIAB and SEQC2	Division-Specific	NCBI					
Data	GTR Data Collection	Division-Specific	NCBI					
Data	Human RefSeq	Division-Specific	NCBI					
Data	MedGen Data Collection	Division-Specific	NCBI					
Data	PubChem Data Collection	Division-Specific	NCBI					
Data	PubMed Central Data Collection	Division-Specific	NCBI					
Data	PubMed Data Collection	Division-Specific	NCBI					
Data	RefSeq	Division-Specific	NCBI					
Data	SRA Dataset	Division-Specific	NCBI					
Data	Structure Data Collection	Division-Specific	NCBI					
Data	Taxonomy Dataset	Division-Specific	NCBI					
Data	NIH MedlinePlus Magazine Data Collection - English	Division-Specific	OCPL	X				
Data	NIH MedlinePlus Magazine Data Collection- Spanish	Division-Specific	OCPL	X				
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Data

Technical Resource Name, its scope within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the Technical Resource name.
Leave it BLANK if a Technical Resource is NOT used by the offering.
You may NOT add new Technical Resources.

					Offerings				
					NIH MedlinePlus Magazine	Digital Platforms	Public Inquiry/Promotion/Outreach	NLM Strategic Unified Communications	NIH FOIA Services
Technical	Clinical Table Search Service	Offering-Specific	LHC	Standards					
Technical	Form Builder	Offering-Specific	LHC	Standards					
Technical	LHC-Forms	Offering-Specific	LHC	Standards					
Technical	NLM Personal Health Record	Offering-Specific	LHC	Standards					
Technical	PhysioNet	Offering-Specific	LHC	Standards					
Technical	Unified Code for Units of Measure (UCUM)	Offering-Specific	LHC	Standards					
Technical	CEB Histopathology Image Assistant	Offering-Specific	LHC	Image processing					
Technical	Brat Annotation Tool	Division-Specific	LHC	Text processing					
Technical	Medical Text Indexer (MTI)	NLM-Wide	LHC	Literature					
Technical	MEDLINE/PubMed Baseline Repository (MBR)	Offering-Specific	LHC	Literature					
Technical	Indexing Initiative Web API	NLM-Wide	LHC	Literature					
Technical	Indexing Initiative	NLM-Wide	LHC	Literature					
Technical	Structured Abstract	NLM-Wide	LHC	Literature					
Technical	Indexing Initiative, Word Sense Disambiguation (WSD) Test Collections	NLM-Wide	LHC	Text processing					
Technical	MetaMap API	Division-Specific	LHC	Text processing					
Technical	Open-i	Division-Specific	LHC	Image processing					
Technical	Open-I Case Upload server	Division-Specific	LHC	Image processing					
Technical	Online Registry of Biomedical Informatics Tools (ORBIT)	Offering-Specific	LHC	ORBIT					
Technical	Profiles in Science	NLM-Wide	LHC	ProfilesInScience					
Technical	AskMedline	Offering-Specific	LHC	Literature					
Technical	PubMed for Handhelds	Offering-Specific	LHC	Literature					
Technical	txt2MEDLINE	Offering-Specific	LHC	Literature					
Technical	Translational Science Search (with links to ClinicalTrials.gov)	Offering-Specific	LHC	Literature					
Technical	Repository for Informed Decision Making (RIDeM)	Offering-Specific	LHC	Text processing					
Technical	RxClass	Division-Specific	LHC	Standards					
Technical	RxMix	Division-Specific	LHC	Standards					
Technical	RxNav	Division-Specific	LHC	Standards					
Technical	Drug-Drug Interactions API	Division-Specific	LHC	Standards					
Technical	RxClass API	Division-Specific	LHC	Standards					
Technical	RxNorm API	Division-Specific	LHC	Standards					
Technical	RxImage	NLM-Wide	LHC	Standards					
Technical	RxTerms API	NLM-Wide	LHC	Standards					
Technical	RxTerms Demo Form	Offering-Specific	LHC	Standards					
Technical	Semantic Knowledge Representation (SKR)	Offering-Specific	LHC	Text processing					
Technical	MAGPIE (Map Assisted Generation of Procedure and Intervention Encoding)	Offering-Specific	LHC	Standards					
Technical	Communications Engineering Branch (CEB)	Division-Specific	LHC	IRP					
Technical	LHNCBC Main Web	Division-Specific	LHC	IRP					
Technical	MetaMap	Division-Specific	LHC	Text processing					
Technical	NLM-Scrubber	Offering-Specific	LHC	Text processing					
Technical	SemRep	Offering-Specific	LHC	Text processing					
Technical	Lex Build	Offering-Specific	LHC	Text processing					
Technical	SPECIALIST NLP Tools	NLM-Wide	LHC	Text processing					
Technical	1000 Genomes	Division-Specific	NCBI	MGV					
Technical	Annotation pipeline software	Division-Specific	NCBI	SeqPlus					
Technical	Antimicrobial Resistance	Division-Specific	NCBI	SeqPlus					
Technical	Average Nucleotide Identity (ANI) Analysis	Division-Specific	NCBI	SeqPlus					
Technical	BLAST on GCP	Division-Specific	NCBI	SeqView					
Technical	BLAST stand-alone distributions	Division-Specific	NCBI	SeqView					
Technical	BioConcepts	Division-Specific	NCBI	MGV					
Technical	BioProject Archive	Division-Specific	NCBI	SeqArchv					
Technical	BioSample Archive	Division-Specific	NCBI	SeqArchv					
Technical	BioSystems	Division-Specific	NCBI	SeqPlus					
Technical	Bookshelf	Division-Specific	NCBI	Lit					
Technical	C++ Toolkit	Division-Specific	NCBI	ShrdSvcs					
Technical	CBB Research Projects	Division-Specific	NCBI	CBB					
Technical	CDD/SPARCLE	Division-Specific	NCBI	SeqPlus					
Technical	ClinGen Dosage Sensitivity Map	Division-Specific	NCBI	MGV					
Technical	ClinVar	Division-Specific	NCBI	MGV					
Technical	ClinicalTrials.gov	Division-Specific	NCBI	CTG					
Technical	Contamination Screening	Division-Specific	NCBI	SeqPlus					
Technical	DataDicer	Division-Specific	NCBI	SeqPlus					
Technical	DevOps Platform	Division-Specific	NCBI	DevOps					
Technical	Entrez Indexing/Search/Links	Division-Specific	NCBI	ShrdSvcs					
Technical	FlatFile DB	Division-Specific	NCBI	SeqArchv					
Technical	GEO Archive	Division-Specific	NCBI	SeqArchv					
Technical	GTR	Division-Specific	NCBI	MGV					
Technical	GeT-RM	Division-Specific	NCBI	MGV					
Technical	GenBank Curation Tools	Division-Specific	NCBI	SeqArchv					
Technical	GenBank Submission Utilities	Division-Specific	NCBI	SeqArchv					
Technical	GenColl/Assembly	Division-Specific	NCBI	SeqPlus					
Technical	GeneReviews	Division-Specific	NCBI	MGV					
Technical	General Variation Page	Division-Specific	NCBI	MGV					
Technical	Genome	Division-Specific	NCBI	SeqView					
Technical	Genome Browsers	Division-Specific	NCBI	SeqView					
Technical	Genome Workbench	Division-Specific	NCBI	SeqView					
Technical	GrantHub	Division-Specific	NCBI	Lit					
Technical	Identity and Access Management 2.0	Division-Specific	NCBI	ShrdSvcs					
Technical	Known Item Search	Division-Specific	NCBI	SeqView					
Technical	LinkOut	Division-Specific	NCBI	Lit					
Technical	MG Content	Division-Specific	NCBI	MGV					
Technical	MGS	Division-Specific	NCBI	MGV					
Technical	MSA Viewer	Division-Specific	NCBI	SeqView					
Technical	Map Viewer	Division-Specific	NCBI	SeqView					
Technical	MedGen	Division-Specific	NCBI	MGV					
Technical	MessageMail	Division-Specific	NCBI	ShrdSvcs					
Technical	MyBibliography	Division-Specific	NCBI	Lit					
Technical	MyNCBI	Division-Specific	NCBI	CX					
Technical	MyNCBI Account	Division-Specific	NCBI	CX					
Technical	NCBI Website / Home Page / Content Pages	Division-Specific	NCBI	CX					
Technical	NIHMS	Division-Specific	NCBI	Lit					
Technical	NISO JATS	Division-Specific	NCBI	Lit					
Technical	NLM Catalog	Division-Specific	NCBI	Lit					
Technical	OMIM	Division-Specific	NCBI	MGV					
Technical	OSIRIS	Division-Specific	NCBI	MGV					
Technical	PGAP-External	Division-Specific	NCBI	SeqPlus					
Technical	PMDM (PubMed Data Management)	Division-Specific	NCBI	Lit					
Technical	Parature / Dynamics Support Portal and Ticketing System	Division-Specific	NCBI	CX					
Technical	Pathogen	Division-Specific	NCBI	SeqPlus					
Technical	PheGenI	Division-Specific	NCBI	MGV					
Technical	Population Frequency (Pilot)	Division-Specific	NCBI	MGV					

Technical	Portal Platform	Division-Specific	NCBI	ShrdSvcs
Technical	PubChem	Division-Specific	NCBI	Chem
Technical	PubMed	Division-Specific	NCBI	Lit
Technical	PubMed 2.0	Division-Specific	NCBI	Lit
Technical	PubMed Central (PMC)	Division-Specific	NCBI	Lit
Technical	Public Access Compliance Monitor (PACM)	Division-Specific	NCBI	Lit
Technical	RT	Division-Specific	NCBI	ShrdSvcs
Technical	Remap: web and standalone	Division-Specific	NCBI	SeqView
Technical	SPDI	Division-Specific	NCBI	MGV
Technical	SRA Archive	Division-Specific	NCBI	SeqArchv
Technical	SRA Tools	Division-Specific	NCBI	SeqArchv
Technical	SciENcv	Division-Specific	NCBI	Lit
Technical	SeqAssm tools	Division-Specific	NCBI	SeqView
Technical	Sequence Database	Division-Specific	NCBI	SeqArchv
Technical	Sequence Viewer	Division-Specific	NCBI	SeqView
Technical	Social Media / Marketing Communications	Division-Specific	NCBI	CX
Technical	Structure	Division-Specific	NCBI	SeqPlus
Technical	Submission Portal	Division-Specific	NCBI	SeqArchv
Technical	Suite of GEO analysis tools	Division-Specific	NCBI	SeqView
Technical	TaskManager	Division-Specific	NCBI	ShrdSvcs
Technical	Taxonomy Database	Division-Specific	NCBI	SeqArchv
Technical	Tree Viewer	Division-Specific	NCBI	SeqView
Technical	VDB	Division-Specific	NCBI	ShrdSvcs
Technical	Variation Viewer	Division-Specific	NCBI	MGV
Technical	Viral Tools (general)	Division-Specific	NCBI	SeqView
Technical	Viral Variation and Analysis Tools	Division-Specific	NCBI	SeqView
Technical	Viral annotation tools	Division-Specific	NCBI	SeqPlus
Technical	Web Displays and FTP for Assembly	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for BioProject	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for BioSample	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for Biocollections	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for Gene	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for Genome	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for Protein sequence resources	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for SRA	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for Structure	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for Taxonomy	Division-Specific	NCBI	SeqView
Technical	Web Displays and FTP for nucleotide sequence resources	Division-Specific	NCBI	SeqView
Technical	Web Displays for FTP and GEO	Division-Specific	NCBI	SeqView
Technical	WebBLAST and specialized webpages that may use BLAST	Division-Specific	NCBI	SeqView
Technical	Working Groups	Division-Specific	NCBI	MGV
Technical	dbGaP Authorized Access System	Division-Specific	NCBI	MGV
Technical	dbGaP Public	Division-Specific	NCBI	MGV
Technical	dbGaP Registration System	Division-Specific	NCBI	MGV
Technical	dbSNP	Division-Specific	NCBI	MGV
Technical	dbVar	Division-Specific	NCBI	MGV
Technical	eUtils	Division-Specific	NCBI	ShrdSvcs
Technical	AccessGUDID	Division-Specific	OCCS	
Technical	AccessGUDID Batch	Division-Specific	OCCS	
Technical	Against The Odds	Offering-Specific	OCCS	
Technical	CDE-R System	Offering-Specific	OCCS	
Technical	ChemdID API	Offering-Specific	OCCS	
Technical	ChemdID Search (API)	Offering-Specific	OCCS	
Technical	ChemdID View (API)	Offering-Specific	OCCS	
Technical	ChemIDPlus System	Offering-Specific	OCCS	
Technical	Changing the Face of Medicine	Offering-Specific	OCCS	
Technical	Classification Editor	Offering-Specific	OCCS	
Technical	CMDB App	Division-Specific	OCCS	
Technical	Cognos	Division-Specific	OCCS	
Technical	Conservation Tracking Sytem	Offering-Specific	OCCS	
Technical	DailyMed System	Offering-Specific	OCCS	
Technical	DailyMed Batch	Offering-Specific	OCCS	
Technical	Database Password Manager	Division-Specific	OCCS	
Technical	DBMaint	Offering-Specific	OCCS	
Technical	Digital Preservation System	Offering-Specific	OCCS	
Technical	Digital Signage	Division-Specific	OCCS	
Technical	DOCLINE System	Offering-Specific	OCCS	
Technical	DOCLINE Batch	Offering-Specific	OCCS	
Technical	Drug Information Portal System	Offering-Specific	OCCS	
Technical	Emergency Access Initiative	Offering-Specific	OCCS	
Technical	Encoded Archival Description	Offering-Specific	OCCS	
Technical	Ending the Document Game	Offering-Specific	OCCS	
Technical	Eresources	Offering-Specific	OCCS	
Technical	Eresources Admin	Offering-Specific	OCCS	
Technical	ERMS	Offering-Specific	OCCS	
Technical	Flash Media Streaming	Offering-Specific	OCCS	
Technical	Health Topic Web Services	Offering-Specific	OCCS	
Technical	Household Products Database System	Offering-Specific	OCCS	
Technical	High-Risk Countries List	Division-Specific	OCCS	
Technical	HMD Digital Gallery System	Offering-Specific	OCCS	
Technical	HMD Digital Library Extension System	Offering-Specific	OCCS	
Technical	HMD Directory (DHMC) System	Offering-Specific	OCCS	
Technical	HMD Directory (DHMC) Admin	Offering-Specific	OCCS	
Technical	HMD Exhibit Asset Manager	Offering-Specific	OCCS	
Technical	HMD Maps	Offering-Specific	OCCS	
Technical	HSRProject System	Offering-Specific	OCCS	
Technical	HSRR System	Offering-Specific	OCCS	
Technical	HTTPS Compliance Dashboard	Division-Specific	OCCS	
Technical	Image Interoperability Framework (IIIF) API	Offering-Specific	OCCS	
Technical	IMS	Offering-Specific	OCCS	
Technical	IMS Batch	Offering-Specific	OCCS	
Technical	IndexCAT System	Offering-Specific	OCCS	
Technical	Information Rx System	Offering-Specific	OCCS	
Technical	International Programs	Offering-Specific	OCCS	
Technical	Inventory Control System	NLM-Wide	OCCS	
Technical	Journal Donation System	Offering-Specific	OCCS	
Technical	Learning Resources System	Offering-Specific	OCCS	
Technical	LinkChecker Batch	Offering-Specific	OCCS	
Technical	LiverTox System	Offering-Specific	OCCS	
Technical	Loading Dock	NLM-Wide	OCCS	
Technical	Loansome Doc System	Offering-Specific	OCCS	
Technical	Local Legends	Offering-Specific	OCCS	
Technical	LocatorPlus System	Offering-Specific	OCCS	
Technical	LSTRC Admin	Offering-Specific	OCCS	
Technical	Manuscript Clearance	NLM-Wide	OCCS	
Technical	Medline Review	Offering-Specific	OCCS	
Technical	Medline Reviewer Web	Offering-Specific	OCCS	
Technical	MedlinePlus System	Offering-Specific	OCCS	
Technical	MedlinePlus Batch	Offering-Specific	OCCS	
Technical	MedlinePlus Connect System	Offering-Specific	OCCS	
Technical	MedlinePlus Connect - Batch	Offering-Specific	OCCS	
Technical	MedlinePlus Connect - CMMS	Offering-Specific	OCCS	
Technical	MedlinePlus Input System	Offering-Specific	OCCS	
Technical	MeSH Browser System	Offering-Specific	OCCS	
Technical	MeSH Editing	Offering-Specific	OCCS	
Technical	MeSH Medline GCMS	Offering-Specific	OCCS	
Technical	MeSH Medline Year End Process	Offering-Specific	OCCS	
Technical	MeSH On Demand System	Offering-Specific	OCCS	
Technical	MeSH RDF System	Offering-Specific	OCCS	

Technical	MeSH Translation MTMS System	Offering-Specific	OCCS						
Technical	Native Voices Video	Offering-Specific	OCCS						
Technical	NIH Scientific Collections	Division-Specific	OCCS						
Technical	NLM Digital Collections System	Offering-Specific	OCCS						
Technical	NLM Digital QA	Offering-Specific	OCCS						
Technical	NLM Main Web	NLM-Wide	OCCS						
Technical	NLM Shuttle Display	Offering-Specific	OCCS						
Technical	NOSC Display Maps	Offering-Specific	OCCS						
Technical	OERS - Outreach Evaluation and Reporting System	Offering-Specific	OCCS						
Technical	One NLM Dashboard	NLM-Wide	OCCS						
Technical	Outreach - Maps	Offering-Specific	OCCS						
Technical	Profiles in Science System	Offering-Specific	OCCS						
Technical	Patron Registration	Offering-Specific	OCCS						
Technical	PCM Binding Management System	Offering-Specific	OCCS						
Technical	PHP/HSR	Offering-Specific	OCCS						
Technical	Relais	Offering-Specific	OCCS						
Technical	RxNorm Editing System	Offering-Specific	OCCS						
Technical	ScanTrac	Offering-Specific	OCCS						
Technical	ScanTrac Batch	Offering-Specific	OCCS						
Technical	Serials	Offering-Specific	OCCS						
Technical	SFX System	Offering-Specific	OCCS						
Technical	Substance Registration System	Offering-Specific	OCCS						
Technical	Sunset COMM System	NLM-Wide	OCCS						
Technical	Teamsite		OCCS						
Technical	Terminology Service	Offering-Specific	OCCS						
Technical	Tox Town System	Offering-Specific	OCCS						
Technical	Tox Tutor System	Offering-Specific	OCCS						
Technical	TOXLINE System	Offering-Specific	OCCS						
Technical	ToxMap System	Offering-Specific	OCCS						
Technical	TOXNET System	Offering-Specific	OCCS						
Technical	UMLS Editing System	Offering-Specific	OCCS						
Technical	UMLS MEME and MidService	Offering-Specific	OCCS						
Technical	UMLS Production Framework	Offering-Specific	OCCS						
Technical	UMLS Terminology Services (UTS)	Offering-Specific	OCCS						
Technical	URL Mapping		OCCS						
Technical	UTS Annual Report System	Offering-Specific	OCCS						
Technical	UTS APIs	Offering-Specific	OCCS						
Technical	UTS CAS Login	Offering-Specific	OCCS						
Technical	Voyager System	Offering-Specific	OCCS						
Technical	Voyager Counters	Offering-Specific	OCCS						
Technical	Voyager PROD Batch	Offering-Specific	OCCS						
Technical	Voyager Prod z3951	Offering-Specific	OCCS						
Technical	VSAC System	Offering-Specific	OCCS						
Technical	VSAC Admin Tool	Offering-Specific	OCCS						
Technical	VSAC API	Offering-Specific	OCCS						
Technical	VSAC Collaboration Tool	Offering-Specific	OCCS						
Technical	VSAC FHIR System	Offering-Specific	OCCS						
Technical	Watson Explorer	NLM-Wide	OCCS						
Technical	Wireless Information System for Emergency Responders (WISER) System	Offering-Specific	OCCS						

Business Resource Name, its Scope Within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the Business Resource name.
Leave it BLANK if a Business Resource is NOT used by the offering.
You may add new Business Resource at the bottom of this list if your Business Source is not listed.
The Resource Organization must be provided if your new Business Resource's scope is Division-Specific.

				Offerings				
				NIH MedlinePlus Magazine	Digital Platforms	Public Inquiry/Promotion/Outreach	NLM Strategic Unified Communications	NIH FOIA Services
Business	Design and User Experience	Division-Specific	NCBI					
Business	NLM Web Page Content and Development	NLM-wide	OCPL	X	X	X	X	
Business	NLM Promotional Materials Development	NLM-wide	OCPL	X	X	X		
Business	Strategic Communications	NLM-wide	OCPL		X	X	X	
Business	<add your new Business Resource here>							
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External Resource Name, its Scope within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the External Resource name.
Leave it BLANK if a External Resource is NOT used by the offering.
You may add new External Resource at the bottom of this list if your External Source is not listed.
The Resource Organization must be provided if your new External Resource's scope is Division-Specific.

				Offerings				
				NIH MedlinePlus Magazine	Digital Platforms	Public Inquiry/Promotion/Outreach	NLM Strategic Unified Communications	NIH FOIA Services
External	Receipt, Referral and Peer Review Services (CSR)							
External	Extramural Research Policy and Guidance (OER)							
External	NIH Guide to Grants and Contracts (OER)							
External	GenMark (Georgia Tech)							
External	Pfam (EBI)							
External	GenomeTrakr (FDA)							
External	PulseNet (CDC)							
External	Comprehensive Antimicrobial Resistance Database (CARD; McMaster University)							
External	Bioconductor							
External	JATS (NISO)							
External	Eschmeyer's Catalog of Fishes							
External	International Committee on Taxonomy of Viruses (ICTV) classification							
External	List of Prokaryotic names with Standing in Nomenclature (LPSN)							
External	Index Fungorum							
External	International Plant Names Index (IPNI)							
External	World Register of Marine Species (WoRMs)							
External	ZooBank							
External	AHCJ Fellowship					X		
External	FNLM					X		
External	<add your new External Resource here>							
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External

Offerings that can be associated with 2017 Strategic Initiatives

Click on field name to see the definition.
Mark an "X" ONLY beside the Initiative names that your offering is aligned to.
Your offerings will be automatically aligned to Goal and Objective which the selected Initiative is aligned to.
Goals/Objectives listed here are for Initiatives grouping only.
You may not mark an "X" beside the Goal or Objective names.

	Offerings				
	NIH MedlinePlus Magazine	Digital Platforms	Public Inquiry/Promotion/Outreach	NLM Strategic Unified Communications	NIH FOIA Services
1.1a - Assessment of MeSH and Auto-Indexing					
1.1b - MEDLINE 2022					
1.1c - NLM Portfolio Assessment by MITRE					
1.1d - DATaset Metadata Model (DATMM) Initiative					
1.1e - CDE Repository Study					
1.1f - Link articles to associated data sets					
Objective 1.2 - Advance research and development in biomedical informatics and data science					
1.2a - Blue Ribbon Panel Review of NLM Intramural Research Program					
1.2b - NLM-NSF MOU Innovative Mathematical, Statistical, and Computational Approaches to Biomedical Data Science					
1.2c - FOA on at-scale curation approaches					
1.2d - Data Science & Open Science Workshop					
1.2e - Expand funding for extramural research to support new biomedical data-science initiatives (RPG and SBIR)					
1.2f - Expand collaboration with other ICs and agencies on data science oriented FOAs					
1.2g - Expand funding for intramural research					
1.2h - Hire NLM-wide scientific director					
1.2i - Hire more intramural investigators					
1.2l - Persistent unique IDs w/in NLM systems 1.2l Persistent unique IDs w/in NLM systems					
1.2m - BMIC criteria for data repositories					
1.2n - OSTP criteria for data repositories OSTP data management plan guidance					
Objective 1.3 - Foster open science policies and practices					
Objective 1.4 - Create a sustainable, institutional, physical, and computational infrastructure					
1.4a - TOXNet platform migration					
1.4b1 - IT Assessment - Team 1					
1.4b2 - IT Assessment - Team 2					
1.4b3 - IT Assessment - Team 3					
1.4b4 - IT Assessment - Team 4					
1.4b5 - IT Assessment - Team 5					
1.4f - Assessment of Trans-NLM Central Functions					
1.4g - Project Management for Implementation Initiative					
1.4h - Workspace Initiative-Redesign First Floor of Building 38					
1.4i - NLM Strategic Plan Communication (internal)		X	X	X	
1.4j - Data Center Reliability Project					
1.4k - NAS Study on Forecasting Costs of Data Preservation and Management					
1.4l - Migrate high availability resources to the cloud					
Goal 2 - Reach more people in more ways through enhanced dissemination and engagement pathways					
Objective 2.1 - Know NLM users and engage with persistence					
2.1a - Outreach planning			X		
2.1b - Assessment of Tools used for NLM Resource Evaluation			X		
2.1c - Assessment of Comparative Web Metrics		X			
2.1d - User Experience / User Development Initiative					
2.1e - External Communications Plans & Information Resources			X	X	
2.1f - Informatics Professionals Outreach, Training and Development			X		
Objective 2.2 - Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data					
2.2a - Branding of NLM				X	
Objective 2.3 - Support research in biomedical and health information access methods and information dissemination strategies					
2.3a - Expand support for research grants that address user needs through the Personal Health Libraries FOA					
2.3b - Increase support for G08 Resource Grants					
2.3c - Increase support for G08 resource grants by expanding funding to one FOA per year					
2.3d - Support scholarly works G13 grants relating to interests of primary NLM audiences					
Objective 2.4 - Enhance information delivery					
2.4a - Support NN/LM activities to enhance understanding of data science and advanced data management					
2.4b - Customer Experience IT Assessment					
Goal 3 - Build a workforce for data-driven research and health					
Objective 3.1 - Expand and enhance research training for biomedical informatics and data science					
3.1a - Data Science Core Skills Analysis					
3.1b - Expand extramural training grant support for predoctoral biomedical data science (Ts)					
3.1c - Increase funding for postdoctoral fellowships in data science for mid-career researchers (Fs)					
3.1d - Increase funding for career transition awards in biomedical data science (Ks)					
Objective 3.2 - Assure data science and open science proficiency					
3.2a - Report on State of Data Science Training					
3.2b1 - Reproducibility for Intramural Scientists Workshop					
3.2b2 - Second Reproducibility for Intramural Scientists Workshop					
3.2c - Data Science for Librarian Workforce Workshop					
3.2d - Assessment of extramural staff data science training needs					
3.2e - Support partnerships to share NLM curriculum materials in biomedical data science with other NIH training					
3.2f - NLM Data science assessment/training					
Objective 3.3 - Increase workforce diversity					
3.3a - Increase support for training partnerships with MSIs					
3.3b - Increase support for partnerships with I-schools					
Objective 3.4 - Engage the next generation and promote data literacy					
3.4b - Expand support for summer research training at NLM training programs for high school and undergraduate					

Strategic Projects that can be associated with Offerings

Click on field name to see the definition.
Enter Project Name and Description. Mark an "X" under the Offering name to indicate the association.
You can leave this sheet blank if you do not have Strategic Projects.

	Associated Offerings				
	NIH MedlinePlus Magazine	Digital Platforms	Public Inquiry/Promotion/Outreach	NLM Strategic Unified Communications	NIH FOIA Services
		X	X	X	
strengthen engagement with stakeholders.		X	X	X	

Strategic Projects that can be associated with 2017 Strategic Goals/Objective

Click on field name to see the definition.
The Strategic Project Name and Description will be automatically populated from the Strategic Projects tab.
Mark an "X" beside the Projects that are aligned to the corresponding goal and objectives. Please see the example.
It is preferable to map a Project to Objectives. If a Project cannot map to an Objective, map to a Goal.
A Strategic Project can align with multiple Objectives.

Strategic Project Name	Description	NLM Strategic Plan 2017 Goals/Objectives															
		1 - Accelerate discovery and	1.1 - Connect the	1.2 - Advance	1.3 - Foster open science	1.4 - Create a sustainable,	**2 - Reach more people in more**	2.1 - Know NLM users	2.2 - Foster distinctiveness of	2.3 - Support research in	2.4 - Enhance	**3 - Build a workforce**	3.1 - Expand and enhance	3.2 - Assure data science	3.3 - Increase	3.4 - Engage the next generation
				X	X												
NLM strategic communications plan	Build a stronger, more consistent central identity to create or strengthen							X X	X X	X X	X X						

From: Lang, Lisa A (NIH/NLM) [E]
Sent: 11 Sep 2019 19:59:05 +0000
To: Brennan, Patti (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E]
Subject: NLM HSRI Resources_ 9-11.docx
Attachments: NLM HSRI Resources_ 9-11.docx, Next Steps.docx

NLM HSRI Resources

Name	Description	Alignment with Statute	Alignment with NLM Strategic Plan Goals	Provisional outcome: Retain, Modify Eliminate	Proposed follow-up or additional activity
SPECIALIZED RESOURCES -- NICHSR					
Assistant Director, Health Services Research Information		ALL	1,2,3	Retain	
NICHSR – office		ALL	1,2,3	Retain	Establish BoR working group to provide review and input into metrics and direction of external collaborations
HSRProj		Collect Store Disseminate	1,2	Review and redesign	Assess alignment of HSR community information needs and NLM priorities If aligned, MODERNIZE (consistent with ClinicalTrials.gov, RePORTER redesigns) Consider more GLOBAL scope; Consider as anchor for specialized HSRI offerings
HSRProj Research Gap Student Competition		Analyze, Disseminate	2,3	Retain	Expand – means to strengthen relationship with graduate education infrastructure and students and address common competencies
HSRR		Collect, Store, Retrieve, Disseminate	1,2	Retain/Modify	Hold pending discussion of HHS resources for identifying datasets for HHS sourced data; potential source for CDE Repository Assessments
HSRIC – Portal		Collect, Disseminate	1,2	Eliminate	Identify most used content and potentially include in revamped HSRProj site, or other location TBD
PHPartners – collaboration		Analyze	2,3	Eliminate	Disband – BUT NLM join/support larger, more active Council on Linkages between Academia and Public Health Practice

Name	Description	Alignment with Statute	Alignment with NLM Strategic Plan Goals	Provisional outcome: Retain, Modify Eliminate	Proposed follow-up or additional activity
PHPartners.org Portal		Collect, Disseminate	1,2	Eliminate	Identify most used content and integrate in revamped evidence-based practice function in HSRProj, or other location (TBD)
NICHSR_OneSearch		Retrieve	1	Eliminate	With elimination of portals and consolidation of HSRProj/HSRR, this is unnecessary
Tutorials/Webinars • Finding and Using Health Statistics • Health Economics • HSR (hiatus) • Public Health Data and Statistics (hiatus) • Quality Improvement (QI) Quick Guide (PHF) • NNLM-managed tutorials re information resources for PH and HSR, CDEs, ToxNet Webinars • Back to School • NNLM webinars		Disseminate Analyze	1,3	Retain, potentially shifting to OET	Work with OET Convene working group(s) to assure that presentation/branding/content quality is consistent across NLM. Identify standard marketing channels. Establish review cycle.
E-text: HTA101		Disseminate HTA	2,3	Retain, move to Bookshelf; look for more, similar texts	Work with Health Econ Community at NIH to assure relevance to their investigators/applied research
Specialized selection,		Collect	1,2	Retain	Grey Lit – strategy still TBD

Name	Description	Alignment with Statute	Alignment with NLM Strategic Plan Goals	Provisional outcome: Retain, Modify Eliminate	Proposed follow-up or additional activity
cataloguing – Catalog (ECRI)		Store			
Specialized selection -- Digital Collection (ECRI)		Collect Store	1,2	Retain	Grey Lit – strategy still TBD
Specialized selection -- historical collection • Oral Histories, interviews • Collected papers • Archive-It studies (Medicare/Medicaid at 50; Health Reform)		Collect Store	1,3	Modify	Need 30-year history of HSRI at NLM (2020) Revise/reissue 'what is HSR' video and tutorial in collaboration with HSRI in NIH and outside Review/coordinate preservation strategies with external partner organizations
Healthy People 2020 Structured Evidence Queries		Retrieve Analyze	1	TBD	Cross NLM working group to examine when/how structure queries valued
HSR general and Topic specific search queries; HSRR special queries		Retrieve Analyze	1	TBD	Group already established
Exhibits/Booth Presentations		Dissemination	2,3	Modify – booth/exhibit-OCPL with OET	Establish group/process to develop alternative of assure high quality representation at exhibits
Publications and Presentations at Panels at HSRI- relevant Professional meetings		Analysis Dissemination	2	Retain	Provide HSRI staff time to develop relevant presentations and panels

Name	Description	Alignment with Statute	Alignment with NLM Strategic Plan Goals	Provisional outcome: Retain, Modify Eliminate	Proposed follow-up or additional activity
General Activities (Related to Collection)					
PubMed – articles, journals and data		Collect Store Retrieve	1,2	Retain	Better align and integrate PubMed and Catalog collections from searcher perspective Actively incorporate HSR and PH (eg epi) communities in discussion of data repository structures and supplementary materials (coordinate with HHS Data Council)
Medline subset -- journals		Collect Store Retrieve	1,2	Retain	Complete review of recently accepted, rejected HSRI journals
PMC – articles and journals		Collect Store Retrieve	1,2	Retain	Review HSR emerging topics in non-Medline journals Actively Incorporate HSR and PH (eg epi) communities in discussion of data repository structures (coordinate with HHS Data Council)
Bookshelf (NCBI) • HSTAT-- Specialized selection • Guidelines, NASEM reports, Effectiveness Reviews (domestic and international)		Collect Store Retrieve Guideline Technology Assessments	1,2	MODIFY – to enhance computability of content	Investigate how to deploy Bookshelf for collection, retrieval of computable algorithms submitted as part of 'official' guidelines (working group, pilot project): NLM would hold, retrieve/deliver and potentially provide QA for algorithms downloaded for external use (Work with AHRQ stakeholder community re nature and this use of resource)
NLM Catalog – HSR grey		Collect	1,2	Retain	

Name	Description	Alignment with Statute	Alignment with NLM Strategic Plan Goals	Provisional outcome: Retain, Modify Eliminate	Proposed follow-up or additional activity
literature, books		Store Retrieve			
MedGen (NCBI)—clinical guidelines list		Collect Disseminate (Guidelines)	1,2	Retain	Consider consolidated portal/access page for all NLM guidelines content per earlier NCBI/NLM memo

General Activities - Other					
ClinicalTrials.gov (eg, registries)		Collect Store Retrieve	1,2	Modify	Integration with NIH CDE Repository for inclusion of variable; Consider expression of cohorts and standard measures (ala RoPR)
MeSH (targeted)		Collect Store	1,2	Retain	Work with HSR/PH communities to assure continuing review and refinement
Terminology– esp SDOH terms; Newborn Screening; opioids; Zika; support of patient-centered outcomes research		Collect Retrieve Disseminate Analyze	1,2		Without disturbing working relationships, use to identify metrics, vision statement for external project- oriented activities of mutual benefit Establish BoR working group to provide review and input into metrics and direction of external applied collaborations
Terminology Services: VSAC, NIH CDE Repository, PCORTF projects, MDEpinet		Collect Retrieve Analyze	1,2	Retain	Without disturbing working relationships, use to identify metrics, vision statement for external project- oriented activities of mutual benefit

collaborations					Establish BoR/BSC working group to provide review and input into metrics and direction of external applied collaborations
AHCJ Fellowship program		Disseminate	2,3	Retain	OCPL
[Data Science training competencies and resources]		Disseminate Analyze	2,3	EVOLVING	TBD
EP- • HSR related NOSIs, projects • NNLM including NPHCO • Bioinformatics training program		Disseminate Analyze	1,2,3	Modify	TBD -- increase transparency, recognition of HSRI roles, opportunities for collaboration
IM HSRI agenda -LHC, NCBI		Analyze	2,3	Evolve	Connect fellows across ICs with interest in HSR/PH datasets, topics?
LHC intramural datasets (eg NHANES (annotated); MIMIC II)		Analyze	2,3	Evolve	TBD
Working groups and representations, both internal and external					TBD

Other Public Health Information Access Activities

Disaster Lit		Collect	1,2	Eliminate, see	Grey Lit – but also portal. Strategy TBD

		Disseminate		above	
Lib guides re PH Topics		Collect Disseminate	1,2	Eliminate	See evidence queries, above.
ToxNet		NA	1,2	Modify- transfer	OBE
CHEMM/REMM/WISER		Disseminate Analyze	1,2,3	Modify- identify most valued unique products	Consider move to Bookshelf --link to guidelines and IM efforts re images Investigate potential for content to serve as floor for external innovation/delivery ala PubMed relationship to Ovid - TBD Establish BoR/BSC working group to provide review and input into metrics and direction of external collaborations
AIDS Research Demonstrations		Collect Disseminate	1,2		OET -- assure guidelines included in NLM corpus
Foodborne Pathogen Project/Dataset (NCBI)		Health Technology	1, 2	Retain	Without disturbing working relationship, use to identify metrics, vision statement for external project- oriented activities of mutual benefit Establish BoR/BSC working group to provide review and input into metrics and direction of external collaborations

Next Steps

Inventory, Initial Assessments

Review of principles:

General resources – generally fine but outside input should be sought for relevance

Specialized resources – pare to unique, sustainable, valuable to both users and NLM

PH Information Access – OET

Collaborations/problem solving – part of evolving intramural agenda

Priority areas/decisions for FY2020

Complete assessment of EP, NLM-external collaborations and activities

Assessment of HSR Community Information Scope and Challenges

Scoping, bibliometric review of HSRI (journals, practitioners) (with NIH Library)

Scoping review of HSRI access and utilization literature (including translation/dissemination in health setting (Job Jar)

Structured Interviews with NIH and external stakeholders, participants

Assess integration of Data Science and Informatic training among HSR/HP/PH doctoral level programs as potential expansion of T-15 program

Alignment/Explicit Coordination of HSRI review with existing NLM review efforts and workgroups

Common evaluation metrics

Enhanced definition of user communities

Evaluation of use canned search strategies

ClinicalTrials.gov/RePORTER modernization

Coordination/Consultation with related non-NLM efforts

AHRQ – ACTS

RWJF/NAM/Academyhealth reenvisioning

HealthyPeople 2030

OBSSR review

-

Training review – integration of doctoral level training (and below) -interdiscipliary use of t-15 for pre and post docs

Jim Ostell – related/distance reviews for examining author clusters.

Research/EP – what are we funding when we joint fund projects in obssr

Variability of scoring for behavior,social science and economics projects

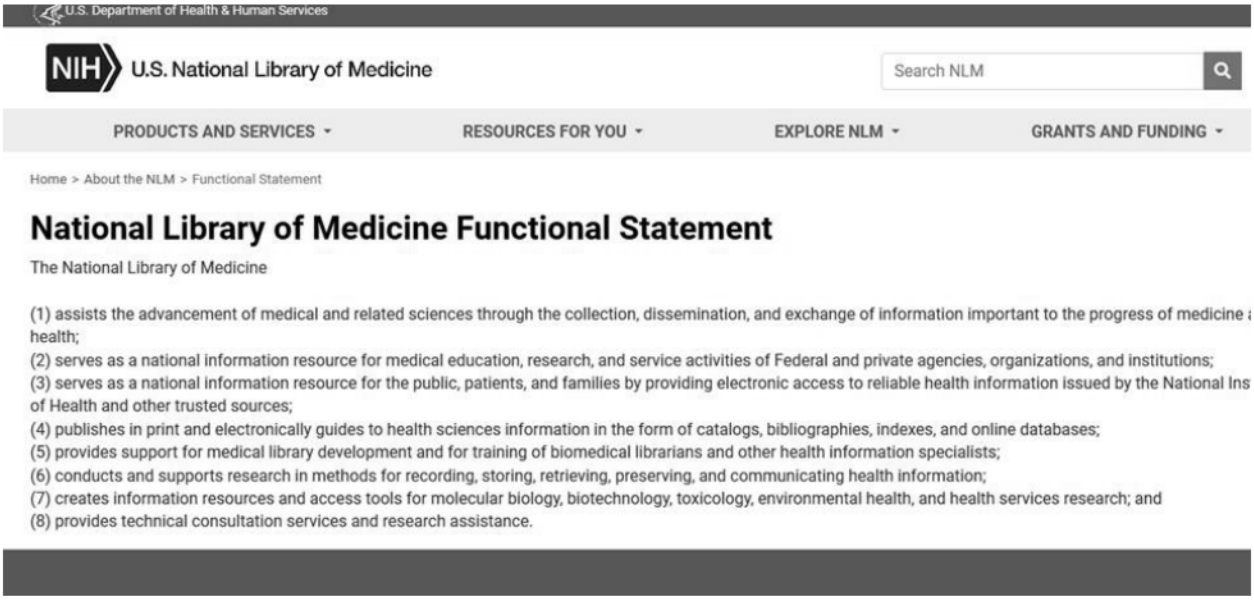
Redesign of HSRProj platform

From: Hakkinen, Pertti (NIH/NLM) [E]
Sent: 12 Sep 2019 20:07:15 +0000
To: Goshorn, Jeanne (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C];Hochstein, Colette (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E]
Cc: Gillikin, David (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: TOXNET page messaging

FYI, not that you need to use it but something that reassures individuals and groups I interact with is the NLM Functional Statement that notes toxicology and environmental health in #7.

Bert

https://www.nlm.nih.gov/about/functstatement.html



From: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Sent: Thursday, September 12, 2019 3:58 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: TOXNET page messaging

Given the message that is already on the SIS homepage, I think we need to add a link on the SIS homepage to the already published July TB article about SIS closing, a link to our new TB article on TOXNET retiring once it is published, and a direct link to the TOXNET transition page.

Thanks,

Jeanne

Jeanne C. Goshorn
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National Library of Medicine
Bldg 38A, Rm 4N417
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Bethesda, MD 20892
Jeanne.goshorn@nih.hhs.gov
301-496-4089

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Thursday, September 12, 2019 3:06 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: TOXNET page messaging

Thank you, Collette.

In coordination with these changes, the SIS Homepage needs to be updated to reflect the changes being made. Are you able to make those edits?

Regards,
Grace M. Middleton, PMP [C]
Communications Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Office: 301-827-6719 Mobile: Personal Info
Grace.Middleton@nih.gov

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Thursday, September 12, 2019 12:23 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: TOXNET page messaging

Hi, Grace,

As you know, many of the TOXNET offerings formerly supported in SIS will be migrated to other NLM resources or sunsetted by December of this year. We are currently

working on placing informational banners on many of the sites' pages to alert users of this timeline.

Although you approved related sunsetting documents in July (https://sunsetting.nlm.nih.gov/request_details/261/) we want to remind you that we will be using the following wording for our alerts:

For TOXNET home, HSDB, TOXLINE, LactMed, DART, TRI, IRIS, ITER, CTD, CCRIS, CPDB, GENE-TOX:

"On December,16, 2019, National Library of Medicine (NLM) TOXNET information will be migrated to PubChem, PubMed, and Bookshelf. Please see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/"

For ChemIDplus, HazMap, Household Products Database, LiverTox, AltBib and several others *not immediately* affected:

"National Library of Medicine (NLM) TOXNET information is being migrated to PubChem, PubMed, and Bookshelf. Please see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/"

We hope to place this information on relevant pages early next week.

Please let us know if you have any comments or concerns.

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Nurik, Jody (NIH/NLM) [E]
Sent: 13 Sep 2019 20:32:18 +0000
To: Middleton, Grace (NIH/NLM) [C]
Cc: Scott, Nicole (NIH/NLM) [E]
Subject: FW: Agenda for Monday's meeting
Attachments: DRAFT language on SIS products 9.12.2019.docx

Grace,

Not sure you got this.

Thanks,
Jody

From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Sent: Thursday, September 12, 2019 12:46 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Rachel Tohn <RTohn@fmpconsulting.com>
Subject: Agenda for Monday's meeting

Hi everyone,

For Monday's meeting we have two agenda items

- Review the draft message on SIS products (see attached) for Joyce and Wei to send out jointly to LO and OCCS staff

- Check in on SIS product plans; progress made, open questions, resource or assistance need to move those plans forward

Thank you,

Carolyn Kurowski
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Draft language for Joyce to send out regarding the status of SIS products. This draft is based on the discussions during previous meetings and messages from Dr. Brennan and Joyce.

Background language from Dr. Brennan:

"To start, we're taking a good look at all of our public-facing services, from dbGaP to PubMed to MedlinePlus, from TOXNET to PubChem to ClinicalTrials.gov. We want to be sure the user experience for each of these services is the best it can possibly be. We also want to ensure the infrastructure is robust and sustainable, and that we haven't ended up with an awkward patchwork on the back end through a series of well-intentioned but disparate fixes and user-driven improvements. We need to launch the next decade on solid technological footing." Dr. Brennan, Blog post. *Moving Forward—Together (July 2018).*

One NLM emphasizes the integration of all our valuable divisions and services under a single mantle, and acknowledges the interdependency and engagement across our programs. Dr. Brennan, Blog Post. *One NLM (January 2017).*

DRAFT MESSAGE

As we go through the process of reviewing and evaluating the products and services formerly offered by SIS, we recognize that if we are going to achieve our vision of a robust, sustainable portfolio of aligned resources we are going to need to make difficult decisions about which resources we keep and which resources we transition to other organizations or sunset altogether. Asa result, we wanted to provide more information about how we are making our decisions and how we expect things to proceed. Our decisions are being guided by a programmatic approach that considers which product areas most directly support the NLM Strategic Plan and represent unique offerings from NLM. We are clear that NLM is committed to supporting key offerings in chemical, toxicology and environmental health, but we are also looking for opportunities to streamline or consolidate resources where appropriate. We have also determined that NLM will focus its Disaster-related products on published journal and gray-literature and products that provide chemical and toxicology-related information. Across all of our offering, we will look for opportunities to integrate products into more currently support technology; for example, some of the ToxNet resources will be included in PubMed, BookShelf and PubChem. Stand-alone offerings and offerings without a strong infrastructure will need to be sunset. Our leaders will be working with teams that include those of you who have worked to make these products valuable and successful, OCCS staff members who understand and can help guide us to the best technology decisions, and others who can help make appropriate plans for all of our resources over the *next 18 months*. We understand this may be challenging, but we also believe that these efforts will help us build a strong aligned and integrated platform that can reach that future vision Dr. Brennan laid out for all of us close to two years ago.

From: Carolyn Kurowski
Sent: 16 Sep 2019 14:55:30 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Lockett-Jordan, Deborah (NIH/NLM) [E];Reynolds, Bryanne (NIH/NLM) [C];Ma, Wei (NIH/NLM) [E]
Cc: Middleton, Grace (NIH/NLM) [C]
Subject: RE: Steering Group Meeting notes 9/16/2019

Hi everyone,

Notes from our meeting this morning with additional information requested during the meeting.

General

1. Check in on SIS product plans
    - **Guidance from Jerry;** as we move forward with our plans for either sunsetting or transition products we want to be good partners to our Federal Government partners (communicate plans, provide time to transition, identify alternative sources, extend support if possible/appropriate)
    - Use Customer Service resources as much as possible to address external questions
    - **OCPL Reviews;** Please send messages to OCPL mailbox for review prior to posting or sending out. OCPL mailbox is NLMCommunications@nlm.nih.gov

    - **LO Budget Request**
        - LO FY20 Budget information due on 9/20
        - **Debbie will schedule a meeting** to 1) confirm which groups are responsible for which products in the budget submission, 2) discuss budget requirements for SIS products and planned travel. Attendees: Debbie, Dave, David, Jeanne, Wei, Stacey, Amanda.

    - **Dietary Supplements Labels Database**
    - Jeanne working with NIH group (DKIPSE(?)) and has a meeting this week with this group. They had previously been told that they have until May 2020 to find an alternative, but this in contrary to the timeline NLM set to bring down the servers. (USDA provided 50K per year in the past) (Upcoming group may be planning to discuss additions to database). They have gotten an estimate to run the database (they currently support the content) – will transition be ready by May 2020
        - **Jeanne will schedule a meeting** Rich Balen(?) (Project Officer) to work through a high level transition plan; Joyce will come to the first meeting, then Jeanne will coordinate the transition
        - **Wei will assess implications** of maintaining the system until May but NLM does but does not plan to make enhancements or changes to the current system.

    - **Haz-Map**
    - Based on feedback from the Department of Labor, senior management has asked if Haz-Map could be kept up past December. NLM no longer has a current license, taking down

other related areas, and keeping the site up beyond December would create issues for OCCS in terms of resources and costs.
    - David will draft a message for Joyce to send to DoL person making the request to extend the site, explaining that NLM will not be able to extend access.
    - Announcements should include guidance; Sunset team has a short article about the all of the ToxNet changes and are then creating a separate article on each resource. Cheryl White – working on the website language and prepared FAQs, call customer service, standard messages, and connects with answers. **Jeanne will connect the Sunset group with Kate in OET to connect with NNLM resources** to help explain the changes and help users find other resources. The NNLM engages with the customers so they can help develop a list of 5 resources where people can go to get the same or similar information.
        - Sunset Team drafting the messages
        - OET/NNLM researching a list of 5 resources partners can use as an alternative
        - Please include a review by OCPL NLMCommunications@nlm.nih.go

2. Review the draft message on SIS products (see attached) for Joyce and Wei to send out jointly to LO and OCCS staff
    - Please send any additional comments to Carolyn by COB Monday
    - Carolyn will circulate a revised Draft Tuesday for final review and comment

3. Messaging for NNLM partners about sunsetting projects or transitioning projects
    - This topic will be included on next Monday's agenda

Carolyn Kurowski
Managing Partner
FMP Consulting
2900 South Quincy Street, Suite 200, Arlington, VA 22206
T (703) 671-6600, ext. 104 | C Personal Info F (703) 671-6924
ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

-----Original Appointment-----
From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Monday, September 9, 2019 5:14 PM
To: Backus, Joyce (NIH/NLM) [E]; Babski, Dianne (NIH/NLM) [E]; Nurik, Jody (NIH/NLM) [E]; Scott, Nicole (NIH/NLM) [E]; Arnesen, Stacey (NIH/NLM) [E]; Gillikin, David (NIH/NLM) [E]; Wilson, Amanda (NIH/NLM) [E]; Goshorn, Jeanne (NIH/NLM) [E]; Lockett-Jordan, Deborah (NIH/NLM) [E]; Reynolds, Bryanne (NIH/NLM) [C]; Carolyn Kurowski
Cc: Middleton, Grace (NIH/NLM) [C]
Subject: Steering Group
When: Monday, September 16, 2019 8:45 AM-9:30 AM (UTC-05:00) Eastern Time (US & Canada).
Where: NLM Conf Rm B on Mezzanine

[EXTERNAL]
Hi everyone,

As we continue to move the SIS Product integration work forward, we would like to hold a few additional group meetings to determine if the current plans are moving forward effectively where we may need decisions or additional coordination. Agenda's and meeting materials will be sent out by Carolyn and the team in advance of the Monday meeting so you have time to consider and respond to any questions or topics that will be discussed.

Thank you,

Joyce

Steering Group

Every Monday, from Monday, September 16, 2019, to Monday, September 23, 2019
8:45 am | Eastern Daylight Time (New York, GMT-04:00) | 45 mins
Meeting number (access code): Passcode
Host key: 726170
Meeting password: cJ4Vt6tx

Start Meeting

Join from a video system or application

Dial Passcode@nih.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

Join by phone

Tap to call in from a mobile device (attendees only)

1-650-479-3208 Call-in toll number (US/Canada)

Join using Microsoft Lync or Microsoft Skype for Business

Dial Passcodenih@lync.webex.com

Need help? Go to http://collaborationhelp.cisco.com.

IMPORTANT NOTICE: Please note that this Webex service allows audio and other information sent during the session to be recorded, which may be discoverable in a legal matter. You should inform all meeting attendees prior to recording if you intend to record the meeting.

From: Goshorn, Jeanne (NIH/NLM) [E]
Sent: 16 Sep 2019 16:15:01 +0000
To: Hochstein, Colette (NIH/NLM) [E];Middleton, Grace (NIH/NLM) [C]
Cc: Hakkinen, Pertti (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: TOXNET page messaging

Excellent, Colette. I am sending you my final transition page edits now.

Thanks,

Jeanne

Jeanne C. Goshorn
Deputy Chief, Bibliographic Services Division
National Library of Medicine
Bldg 38A, Rm 4N417
8600 Rockville Pike
Bethesda, MD 20892
Jeanne.goshorn@nih.hhs.gov
301-496-4089

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Monday, September 16, 2019 11:53 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: FW: TOXNET page messaging

Hi, Grace,

I should be able to coordinate changes to the SIS home page.

The Sunsetting Team met this morning and want to suggest the following changes to that messaging:

"As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that include the closure of the Specialized Information Services (SIS) division, effective June 30, 2019, and the transition of some SIS programs into other parts of NLM**, including the Toxicology Data Network (TOXNET) (link to the TB article about this).** This integration serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, some SIS resources and programs will transition to other

parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. **TOXNET is moving; most of its content will continue to be collected and reviewed; selected information is accessible through PubChem, PubMed, and Bookshelf. (Link to https://www.nlm.nih.gov/toxnet/index.html and later to the final TOXNET Transition Page).**

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656."

We will post the above once https://www.nlm.nih.gov/toxnet/index.html is finalized (expected to be later this week), at which time we will also post messaging on various TOXNET home pages. ("On December,16, 2019, National Library of Medicine (NLM) TOXNET information will be migrated to PubChem, PubMed, and Bookshelf. Please see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/")

Let me know if you have any questions.

Colette

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Thursday, September 12, 2019 3:06 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: TOXNET page messaging

Thank you, Collette.

In coordination with these changes, the SIS Homepage needs to be updated to reflect the changes being made. Are you able to make those edits?

Regards,
Grace M. Middleton, PMP [C]
Communications Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Office: 301-827-6719 Mobile: Personal Info

Grace.Middleton@nih.gov

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Thursday, September 12, 2019 12:23 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: TOXNET page messaging

Hi, Grace,

As you know, many of the TOXNET offerings formerly supported in SIS will be migrated to other NLM resources or sunsetted by December of this year. We are currently working on placing informational banners on many of the sites' pages to alert users of this timeline.

Although you approved related sunsetting documents in July (https://sunsetting.nlm.nih.gov/request_details/261/) we want to remind you that we will be using the following wording for our alerts:

For TOXNET home, HSDB, TOXLINE, LactMed, DART, TRI, IRIS, ITER, CTD, CCRIS, CPDB, GENE-TOX:

"On December,16, 2019, National Library of Medicine (NLM) TOXNET information will be migrated to PubChem, PubMed, and Bookshelf. Please see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/"

For ChemIDplus, HazMap, Household Products Database, LiverTox, AltBib and several others *not immediately* affected:

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Please let us know if you have any comments or concerns.

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663

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From: Middleton, Grace (NIH/NLM) [C]
Sent: 16 Sep 2019 19:19:17 +0000
To: Hochstein, Colette (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: TOXNET page messaging

Colette,

Thank you for sharing the plan and language with me. I made the changes directly in the email below, in order to make it more direct and succinct for the user. Can you please incorporate my edits and share the pages in test before they publish? That will allow us to see how they look before the news goes public. One last review always helps.

Regards,
Grace M. Middleton, PMP [C]
Communications Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Office: 301-827-6719 Mobile: Personal Info
Grace.Middleton@nih.gov

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Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
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Let me know if you have any questions.

Colette

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Bethesda, MD 20892

☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Gillikin, David (NIH/NLM) [E]
Sent: 16 Sep 2019 20:23:19 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: Haz-Map Draft

Joyce
Below is a draft message to send to Doug Pennington at DOL about Haz-Map.
David

Dear …

We appreciate your interest in and concern about the Haz-Map database that has been offered by NLM. NLM is reviewing the status the products and services formerly offered by the Division of Specialized Information Services (SIS) . During this summer SIS staff were merged with different areas of NLM; we are now in the process of making hard decisions about streamlining, consolidating, or retiring resources were appropriate. We are focusing on retaining products and services that are unique offerings from NLM, are highly connected to other NLM offerings, or clearly contribute to furthering the NLM Strategic Plan.

Haz-Map is part of the ToxNet suite of databases. Some these databases, such as ToxLine and DART are being moved into PubMed. Others, like LactMed and LiverTox have been moved to the NLM BookShelf. We do understand that Haz-Map as offered by NLM provides you with an independent, third-party source for this information. However there is nothing about the data that is unique to NLM. The data is offered directly by the content originator, www.Haz-Map.com. NLM was not providing any direct additional value to the content.

The license to maintain and update this data ended this July. We are committed to continuing access to the NLM version of Haz-Map through mid-December, allowing user such as yourself time to work with www.Haz-Map.com directly or with another third party for whom this content is better suited. In December, the Haz-Map data and the system providing it is scheduled to be retired. We hope that these remaining 3 months will provide you with enough time to develop an alternative.

From: Pfister, Troy (NIH/NLM/LHC) [E]
Sent: 17 Sep 2019 11:51:36 +0000
To: Huerta, Mike (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E]
Cc: Kight, Chianti (NIH/NLM) [C]
Subject: Re: document for Leadership meeting
Attachments: Master Metrics.xlsx

Note that some context was stripped from the word doc. See master spreadsheet.

T.

From: "Huerta, Mike (NIH/NLM) [E]" <mike.huerta@nih.gov>
Date: Monday, September 16, 2019 at 12:57 PM
To: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>
Cc: Chianti Kight <chianti.kight@nih.gov>, "Pfister, Troy (NIH/NLM/LHC) [E]" <ptroy@mail.nlm.nih.gov>
Subject: RE: document for Leadership meeting

Here is what was distributed. I should note that I was surprised to hear that the full BoR was so enamored of this – Jane, Erica, and Martin (SP Subgroup) correctly pointed out that these were lacking important information (for example, numerators -or other context - on things like the number of awards, or the number of linked datasets in PMC).

I recommend that for the next iteration, leadership actually develop something more meaningful. As you'll recall, you and I kind of kluged some things together, offered that as a draft for leadership to work with, and then didn't hear a whole lot after that.

So, lots of room for improvement!

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Monday, September 16, 2019 12:51 PM
To: Kight, Chianti (NIH/NLM) [C] <chianti.kight@nih.gov>; Pfister, Troy (NIH/NLM/LHC) [E] <ptroy@mail.nlm.nih.gov>
Cc: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Subject: RE: document for Leadership meeting

This looks like the right document to me. Mike, do you agree?

Jerry

From: Kight, Chianti (NIH/NLM) [C] <chianti.kight@nih.gov>
Sent: Monday, September 16, 2019 10:50 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Pfister, Troy (NIH/NLM/LHC) [E] <ptroy@mail.nlm.nih.gov>
Cc: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Subject: RE: document for Leadership meeting

Is this it?

chianti

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Monday, September 16, 2019 10:47 AM
To: Pfister, Troy (NIH/NLM/LHC) [E] <ptroy@mail.nlm.nih.gov>; Kight, Chianti (NIH/NLM) [C] <chianti.kight@nih.gov>
Cc: Huerta, Mike (NIH/NLM) [E] <mike.huerta@nih.gov>
Subject: document for Leadership meeting

Troy, Chianti,
Can you please send me a copy of the document that was prepared for the Board of Regents on progress toward implementation of the NLM strategic plan. It should have a listing of activities and metrics. Patti can't access it remotely on her computer, and we'd like to discuss it at Leadership this week.

Thanks
Jerry

Jerry Sheehan
Deputy Director
National Library of Medicine | National Institutes of Health
8600 Rockville Pike, Bethesda, MD 20894-3808 USA
Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
http://nlm.nih.gov

Associated initiative	Metric name	Performance	Owner(s)
1.1f Link articles to associated data sets	Number of articles in PubMed linked to data sets	391,193	Jon Ostvold
1.2a Expand funding for extramural research to support new biomedical data science initiatives (BPG and SBIR)		4 New initiatives supporting BDS (NIH Comp and Stat Skill, Personal Health Libraries, SBIR/STTR Pass-through FOA and SBIR/STTR Y&M) 15 awards. 5 NSF-NLM DSM Joint initiative grants (PIDE-NLM DSM initiative grants $1,361,625), 6 NSF Smart Connected Health grants (NSF Smart Connected Health grants $1,686,899 *NOTE- this is an estimate since 3 of the grants have not yet been awarded), 1 Personal Health Libraries grant (PY2019 Personal Health Libraries grants $322,282) and 2 Computational Curation grants (Computational Curation grants $686,642)	Valerie Florance
	Number of new initiatives		
1.2a Expand funding for extramural research to support new biomedical data science initiatives (BPG and SBIR)	Number of RPG grants funded from new initiatives		Valerie Florance
1.2f Expand collaboration with other ICs and agencies on data science oriented FOAs		**NIH Parent FOAs:** 7 (2 RO1s, 1 R21, 1R35/R00, 2 F30/F31, 1 1K99/ST99) **NIH Common Fund:** 5 (NIH Director's awards) **NIA/NLM Specialized FOA/Admin Supp:** 11 (1 R01 Simu Modeling, 1 R15, 1 Institut Admin Supp, 4 NIH WENL, 1 T32, 2 NIH diversity supps and 1 NIH-NIH joint initiative HG?-JAK-19-001)	Valerie Florance
	Number of multi-IC or agency FOAs joined		
1.2f Expand collaboration with other ICs and agencies on data science oriented FOAs	Number of new grants funded from joint FOAs in data science areas	Total of 15 grants funded: 6 NSF-NLM DSM Joint initiative grants, 5 NSF Smart Connected Health grants, 2 Personal Health Libraries grants and 2 Computational Curation grants	Valerie Florance
1.2g Expand funding for intramural research	Intramural research program budget % of total NLM budget	Not sure of %	Jon Ostvold/Mr Ears
1.2g Expand funding for intramural research	Intramural research program budget growth from baseline	Increase of $550K for Xiaoling Jiang	Jon Ostvold/Mr Ears
1.2h Hire NLM-wide scientific director	Lay out timeline and process - Hire by end of CY2019	Search Committee formed, vacancy announced.	Mike Huerta
1.2i Hire more intramural investigators	Number of investigators in NLM IRP – get 3 more by end of CY2019	1 here, 3 in process	Jon Ostvold
1.4f Mitigate high availability resources to the cloud	resources migrated	Not sure.	Jon Ostvold
1.4f Mitigate high availability resources to the cloud	Number of resources in the cloud	PGAP, ELGOT, PHEMI, SRA	Jon Ostvold
2.2c Increase support for GSR resource grants by expanding funding	Number of applications funded		Valerie Florance
2.3d Support scholarly works G13 grants relating to interests of primary NLM audiences		On target. 1 new awards and 1 ongoing award this year thus far totaling $182,720 in NLM IC cost (one new award on biomedical terminologies and their role in EC)	Valerie Florance
	Number of applications funded		
2.4a Support NNLM activities to enhance understanding of data science and advanced data management	Number of NNLM initiatives with data science focus	14 OTI	Joyce Backus
2.4a Support NNLM activities to enhance understanding of data science and advanced data management	Number of participants in data science focused NNLM initiatives	726 participants in FY19	Joyce Backus
2.4b Customer Experience IT Assessment	Establish performance indicators for at least five major NLM public facing information resources	NLM's IT Assessment program developed a volume measures (users, pageviews, sessions, bounce rate) and customer experience measures (net promoter score, overall satisfaction and task accomplishment).	Jeni O'Steen
2.4b Customer Experience IT Assessment	Implement a digital scorecard platform for measuring customer experience	Implemented a digital scorecard prototype using volume and customer experience measures. The scorecard has been implemented for PubMed, MedlinePlus, NLM Main Page, Docmed2.0/4D & DailyMed	Jeni O'Steen
1.4f NPN Tool Transition	Improve the quality and modify the organization of the information content of the NPN Tool by re-considering all attributes	Task Completed. Trans-NLM team (NPATT) reviewed, discussed, refined, re-defined, prioritized and reached consensus on all information elements, use cases, business rules, and internal relationships among them. NPATT plotted next steps and future directions and the FY19 data call - under this revised regime - has been issued.	Mike Huerta
3.1b Expand extramural training grant support for predoctoral biomedical data science (T1s)	Number of predoctoral trainees in NLM-supported programs	On target. 128 predoctoral trainees (9 of which are supports by NIDA)	Valerie Florance
3.1c Increase funding for postdoctoral fellowships in data science for mid-career researchers (F4)	Number of postdoctoral trainees in NLM-supported fellowships	On target: 70 postdoctoral trainees (5 of which are supported by NEI/4S). Launch of NLM-I-T program is still in development.	Valerie Florance
3.1d Increase funding for career transition awards in biomedical data science (K4	Number of data science focused K awards	During FY2019 NLM was not able to increase funding for K awards due to the sunsetting of NLM's participation the NIH K01 training only the K99 programs. 4 awards have been made during FY2019 and 3 are DS-focused. NLM's plan continues to be to increase funding for K awards.	Valerie Florance
3.2a Support partnerships to share NIH curriculum materials in biomedical data science with other NIH training programs	Number of partnerships supported	5 NDM Training sites supported (Utah, UHSU Yale, UCSD and Indiana)	Valerie Florance
3.2a Increase support for training partnerships with MSIs	Evidence of biomedical data science in curricula of MSI partners	3 MSI schools plan supports DS curricula in their application (Colorado, Pittsburgh and UNE-CRI)	Valerie Florance
3.3a Increase support for training partnerships with schools	Number of projects supported	2 Schools schools plan supports DS curricula in their application (U Washington and U Buffalo)	Valerie Florance
3.3a Increase support for partnerships with schools	Evidence of biomedical data science in curricula of school		Valerie Florance
3.3b Increase support for partnerships with schools	Number of projects supported	2 Schools schools plan supports DS curricula in their application (U Washington and U Buffalo)	Valerie Florance
3.3f NLM Data Science Assessment/Training	Number of people who took survey	Pre-survey = 758 Post-survey = 507	Joyce Backus
	New research activities in data science (1 project) Hajesh		Clem
	Recreation of '18 and '19a		Barbec, diane
	FHIR and tool building to advance interoperability		Clem
	Data science training (2?)	28 staff completed	Joyce
	Established CBT	This should be Joyce - Todd and I recommended CBT	Mike, todd
	Reorganization		Todd
	moved 50% of resources to sustainable platforms	Yes? Tiewei	Joyce, jim
	cancelled resources	Yes?	Jerry, Joyce
	Hackathons, reproducibility workshops	2-3 Codeathons, including 2 SUH-wide workshops on r	Mike
		NIH Labs a small group to propose a management structure for an ongoing "innovation investment" program that would allow NIH staff to apply for time/support for great ideas that could lead to new products and services or to new research areas. **Target date for draft document is October 1.**	
	NIAM labs		Valerie
	LM(1)		Clem
	Merged IBIC		Jerry
	Aligned intramural training program		Jerry
	Data Center redundant power and cooling		Jon/Todd

From: Paltoo, Dina (NIH/NLM) [E]
Sent: 17 Sep 2019 14:58:32 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Goodwin, Rebecca (NIH/NLM) [E]
Subject: Hearing Prep for OLPA - NLM Questions DRAFT .docx
Attachments: Hearing Prep for OLPA - NLM Questions DRAFT .docx

Hi Jerry,

Please see the attached for our discussion at 11:30 AM.

Thanks.

Best,
Dina

September 25 House Labor-HHS Subcommittee Hearing Preparation
Proposed Questions and Top Priorities for the National Library of Medicine

Three Questions for NLM

1. **What is the mission of the National Library of Medicine and how does it serve the Nation?**
    - NLM has been a center of information innovation since its founding in 1836
    - Science advances through communication and knowledge; this is consistent with the NLM mission. NLM:
        - Is a leader in data science and open science research
        - Acquires, analyzes and stores data for preservation and discovery
        - Delivers digitized biomedical literature to support reliability, reproducibility, transparency, and access to research data and results
        - Ensures a data savvy and multi-disciplinary workforce
        - Helps shape the NIH and national agenda related to artificial intelligence (AI), machine learning, health data standards, interoperability, open science, and data science.
    - NLM's organization is tightly integrated through its service and research: 80% service, 20% research. NLM's organization differs from other NIH ICs – extramural program is smaller and intramural program is bigger
    - NLM conducts research that makes its resources, tools, and services more useful and usable
    - NLM hosts and maintains important public facing resources used by researchers, health professionals, and the public from all over the world (e.g., most heavily used resources include MedlinePlus, PubMed, PMC, dbGaP, ClinicalTrials.gov, Genetics Home Reference, ToxNet)
        - Each day, NLM websites are used by more than 6 million people, who deposit about 15 terabytes of data and download about 115 terabytes of data and information.
        - Annually, NLM websites receive and process more than 6 billion human interactions and 8 billion computer-to-computer interactions

2. **What type of research does NLM do, and what is most exciting to you now?**
    - As digital information systems become the foundation of biomedical research data and health information, NLM is poised to become the Library of the future, by pioneering ways to make new types of biomedical information more accessible and build tools for better management of personal health and big data.
    - Making data available to the world.
    - 9/24 announcement
    - Public access to data and publications – SRA, PMC
    - Green Button Project
    - CRISPR (Koonin)
    - PHR for people emancipating from foster care
    - The new PubMed

3. **What is NLM doing to reduce health disparities?**

- Funding research to reduce bias in big data: development of synthetic or hybrid data set which conforms to FAIR open data principles, and models racially and ethnically diverse communities in order to test methods and metrics and address possible biases due to under-representation of minorities and women.
- NIH Common Data Elements for Health Disparities: Several NIH Institutes invest in programs to develop common data elements for clinical research in order to enable data harmonization and meta-analyses and enhance data sharing. NLM works to ensure that formal vocabularies used to describe people, health problems, and health care processes are sufficiently robust to encompass the full range of health as experienced across all people, all populations, and all communities. It is essential that there be sufficiently broad and diverse formal terms for a range of racial designations, ethnic characterizations, and sex identity. The work of NLM ensures that the data used to characterize people, their health problems, and the nature and effectiveness of clinical care be true and valid indicators of people, health problems, and care processes so delving into the nature of information is central to ensuring clear and accurate descriptions of real-world experience. While these efforts have typically been discipline- and disease-specific, NLM has developed a repository of all of the NIH CDE sets and is working toward becoming the central access point for NIH CDE tools and data.

Additional "Tough" Questions for NLM (only need two)

1. **What is the process for deciding what journals to include or exclude from MEDLINE?**
    - Description of PubMed, MEDLINE, and PMC
    - To be considered for inclusion and indexing in MEDLINE, publishers submit journals to an NIH-chartered Federal Advisory Committee Act (FACA) advisory committee, the Literature Selection Technical Review Committee (LSTRC)
    - LSTRC is comprised of 14 members, who are outside experts in medicine, biomedical research, scholarly communication, medical librarianship, and related disciplines, plus consultants for domain-specific expertise as needed.
    - LSTRC is chartered to recommend journals for inclusion in MEDLINE following an established set of elements:
        - Scope and coverage (e.g., predominantly on core biomedical subjects);
        - Scientific merit of journal content (validity, importance, originality, contribution to coverage of the field);
        - Quality of editorial work to ensure objectivity, credibility, and quality of its content (e.g., procedures for elements, peer review, corrections);
        - Production quality;
        - Audience (primarily researchers and practitioners); and
        - Type of content (publications that are journals)
    - MEDLINE is highly selective. LSTRC reviews approximately 150 journals at each of its three meetings per year. This number includes first-time submissions, as well as some journals already included in MEDLINE. Only about 15% of journals reviewed are recommended for inclusion in MEDLINE.
    - Journals that are not selected for MEDLINE may apply for reconsideration after two years. Journals selected for MEDLINE are expected continue to meet NLM's established standards and can be subject to re-review, which can result in losing their indexing status.

2. **What is NLM's role in clinical trial stewardship and reform?**
    - Launched, in 2000, NLM developed and maintains ClinicalTrials.gov, a web-based registry and results submission database for federally and privately funded clinical trials testing the effectiveness of FDA-regulated experimental drugs for serious or life-threatening diseases or conditions and NIH-funded clinical trials.
    - ClinicalTrials.gov supports a series of laws and policies implemented in the United States and internationally, and is the world's largest, publicly accessible database of privately and publicly funded clinical studies conducted around the world.
    - CT.gov results reporting proportion of ones actually required compliance levels and what we are doing and what enforcement options are avail
    - Ebola and HIV reporting results accelerated treatment in the field examples – get from Becky

3. **How does NLM balance information access and protecting sensitive date and privacy?**
    - Technology and policy working together
        - Example: Providing controlled access to sensitive data (in dbGaP) and aligning with NIH policies to protect patient privacy
    - Development of Identity & Access Management integration through centralized service, can provide investigator data access approvals in a standard and secure framework across all NIH Institutes, Centers and Offices.
        - Faster software development of new analysis tools and platforms becomes possible through industry standard authorization protocols as user authorization and authentication services become a standard plug-in to new user interfaces.
    - NLM maintains a library code of conduct for accessing information
        - People should have the ability to search without surveillance
        - NLM's role is to ensures its resources are operating optimally, within appropriate laws, regulations, and policies
        - NLM does not expose user search data (e.g., for MEDLINE Plus, PubMed, PMC)

What has NLM been able to accomplish with the recent increases in Appropriations?

- Funding increased over FY2015-2019 have supported data science, more robust extramural research grants programs, NLM's investment in research, outreach, and engagement, as well as strengthening technology infrastructure.
    -
- NLM has supported extramural research programs in reducing bias in big data; research on personal health libraries for consumers and patients; and research on computational approaches to curation.
    - expanded extramural investments (almost triple the number of awards)
    -
- the increased investment has expanded training and training resources for undergraduate, graduate and postgraduate students in biomedical data science, and joint initiatives with the National Science Foundation have brought more computer scientists into biomedical informatics and data science research.
- NNLM partnership with All of Us Research Program on community engagement

- NLM is reaching more people in more ways through enhanced dissemination and engagement pathways. It supports the development and operation of high-value biomedical information services and systems, including for health data standards. To this end, has greatly expanded the quantity and range of high-quality information, tools, and data available to researchers, health professionals, and the public. Additionally, NLM has improved access to timely information about research activities from their initial funding to results, enabling researchers, practitioners, policy makers, and the public to make better informed decisions and improve efficiencies.

1)
2) stabilized and improved security of computer systems
3)expanded data science training
4) supported major reorganization of NLM
5) improved physical plant
6) added new investigators
7) improved technical infrastructure of key products
8) evaluated and re-aligned outreach

NLM's Top 3-5 Priorities (two sentences for each priority)
Overall: To become the library of the future.

- Accelerate discovery and advance health through data-driven research
- Reach more people in more ways through enhanced dissemination and engagement
- Build a workforce for data-driven research and health

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 17 Sep 2019 16:24:44 +0000
To: Goodwin, Rebecca (NIH/NLM) [E];Paltoo, Dina (NIH/NLM) [E]
Subject: revised OLPA Q&A
Attachments: Hearing Prep for OLPA - NLM Questions DRAFT_JS.docx

Jerry Sheehan
Deputy Director
National Library of Medicine | National Institutes of Health
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Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
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September 25 House Labor-HHS Subcommittee Hearing Preparation
Proposed Questions and Top Priorities for the National Library of Medicine

Three Questions for NLM

1. ~~**What is the mission of the National Library of Medicine and h**~~**What are some of the most exciting developments in NLM's information services ~~ow does it serve the Nation~~?**
    - NLM has been a center of information innovation since its founding in 1836
    - Science advances through communication and dissemination of knowledge~~; this is consistent with the NLM mission. NLM~~:
        - [Is a leader in data science and open science research
        - Acquires, analyzes and stores data for preservation and discovery
        - Delivers digitized biomedical literature to support reliability, reproducibility, transparency, and access to research data and results
        - Ensures a data savvy and multi-disciplinary workforce
        - Helps shape the NIH and national agenda related to artificial intelligence (AI), machine learning, health data standards, interoperability, open science, and data science.]???
    - NLM's organization is tightly integrated through its service and research: 80% service, 20% research. NLM's organization differs from other NIH ICs – extramural program is smaller and intramural program is bigger
    - NLM conducts research that makes its resources, tools, and services more useful and usable
    - NLM hosts and maintains important public facing resources used by researchers, health professionals, and the public from all over the world (e.g., most heavily used resources include MedlinePlus, PubMed, PMC, dbGaP, ClinicalTrials.gov, Genetics Home Reference, ToxNet)
        - Each day, NLM websites are used by more than 6 million people, who deposit about 15 terabytes of data and download about 115 terabytes of data and information.
        - Annually, NLM websites receive and process more than 6 billion human interactions and 8 billion computer-to-computer interactions
    - Add some examples of improvements/enhancements/usage – new PubMed, etc.
    - Add support for standards, CDEs, FHIR, etc.

2. **What type of research does NLM do, and what is most exciting to you now?**
    - Included some general budget figures for our intramural and extramural research – and training. General statements about what kinds of research we do.
    - As digital information systems become the foundation of biomedical research data and health information, NLM is poised to become the Library of the future, by pioneering ways to make new types of biomedical information more accessible and build tools for better management of personal health and big data.
    - Making data available to the world.
    - 9/24 announcement
    - Public access to data and publications – SRA, PMC
    - Green Button Project

Comment [SJ([]: Where to place this bullet???

Comment [SJ([]:

Comment [SJ([]: Sound more like services than R

Comment [SJ([]: ?

Comment [SJ([]: This is services, not R

- CRISPR (Koonin)
- PHR for people emancipating from foster care
- The new PubMed
- ??? Unifying management of our intramural research program (CBB + LHC)

3. **~~What~~ How ~~is NLM~~is NLM contributing to ~~doing to reduce~~reducing health disparities?**
   - Funding research to reduce bias in big data: development of synthetic or hybrid data set which conforms to FAIR open data principles, and models racially and ethnically diverse communities in order to test methods and metrics and address possible biases due to under-representation of minorities and women.
   - NIH Common Data Elements for Health Disparities: Several NIH Institutes invest in programs to develop common data elements for clinical research in order to enable data harmonization and meta-analyses and enhance data sharing. NLM works to ensure that formal vocabularies used to describe people, health problems, and health care processes are sufficiently robust to encompass the full range of health as experienced across all people, all populations, and all communities. It is essential that there be sufficiently broad and diverse formal terms for a range of racial designations, ethnic characterizations, and sex identity. The work of NLM ensures that the data used to characterize people, their health problems, and the nature and effectiveness of clinical care be true and valid indicators of people, health problems, and care processes so delving into the nature of information is central to ensuring clear and accurate descriptions of real-world experience. While these efforts have typically been discipline- and disease-specific, NLM has developed a repository of all of the NIH CDE sets and is working toward becoming the central access point for NIH CDE tools and data.

Additional "Tough" Questions for NLM (only need two)

1. **We've heard concerns about NLM procedures for selecting journals for MEDLINE. How does NLM make decisions about ~~hat is the process for deciding~~ what journals to include or exclude from MEDLINE? And how do you respond to the criticisms raised?**
   - Description of PubMed, MEDLINE, and PMC
   - To be considered for inclusion and indexing in MEDLINE, publishers submit journals to an NIH-chartered Federal Advisory Committee Act (FACA) advisory committee, the Literature Selection Technical Review Committee (LSTRC)
   - LSTRC is comprised of 14 members, who are outside experts in medicine, biomedical research, scholarly communication, medical librarianship, and related disciplines, plus consultants for domain-specific expertise as needed.
   - LSTRC is chartered to recommend journals for inclusion in MEDLINE following an established set of elements:
     - Scope and coverage (e.g., predominantly on core biomedical subjects);
     - Scientific merit of journal content (validity, importance, originality, contribution to coverage of the field);
     - Quality of editorial work to ensure objectivity, credibility, and quality of its content (e.g., procedures for elements, peer review, corrections);
     - Production quality;
     - Audience (primarily researchers and practitioners); and
     - Type of content (publications that are journals)

Comment [SJ([]: Reframe around outreach and highlight NNLM in the response. 7000+ members across the country. . .. emphasis on outreach, includes underserved populations. Relates to using NLM products and services. . . Include AllofUs partnership and role of public libraries.

Comment [SJ([]: Should reference this in the R reponse

- MEDLINE is highly selective. LSTRC reviews approximately 150 journals at each of its three meetings per year. This number includes first-time submissions, as well as some journals already included in MEDLINE. Only about 15% of journals reviewed are recommended for inclusion in MEDLINE.
- Journals that are not selected for MEDLINE may apply for reconsideration after two years. Journals selected for MEDLINE are expected continue to meet NLM's established standards and can be subject to re-review, which can result in losing their indexing status.

2. **Why are there questionable trials listed in NLM's ClinicalTrials.gov, such as trials that require payments from participants and are conducted by clinics under investigation by FDA? How do you vet trials listed in ClinicalTrials.gov and protect patients from harmful treatments?**

- ~~**at is NLM's role in clinical trial stewardship and reform?**~~
    - Launched, in 2000, NLM developed and maintains ClinicalTrials.gov, a web-based registry and results submission database for federally and privately funded clinical trials testing the effectiveness of FDA-regulated experimental drugs for serious or life-threatening diseases or conditions and NIH-funded clinical trials.
    - ClinicalTrials.gov supports a series of laws and policies implemented in the United States and internationally, and is the world's largest, publicly accessible database of privately and publicly funded clinical studies conducted around the world.
    - CT.gov results reporting proportion of ones actually required compliance levels and what we are doing and what enforcement options are avail
    - Ebola and HIV reporting results accelerated treatment in the field examples – get from Becky

3. **How does NLM ~~balance information access and~~ protect ~~ing~~ sensitive data ~~e~~ and privacy ~~privacy?~~when making information accessible on the Internet?**
    - Technology and policy working together
        - Example: Providing controlled access to sensitive data (in dbGaP) and aligning with NIH policies to protect patient privacy
    - In general, NLM does not have patient-identificable information in its databases. dbGaP, which has de-identified individual level information and operates under strict NIH data access policies and procedures.
    - Development of Identity & Access Management integration through centralized service, can provide investigator data access approvals in a standard and secure framework across all NIH Institutes, Centers and Offices.
        - Faster software development of new analysis tools and platforms becomes possible through industry standard authorization protocols as user authorization and authentication services become a standard plug-in to new user interfaces.
    - NLM ~~maintains~~ adhere to ~~a~~ common library practice for and government laws/regularions ~~code of conduct~~ for accessing information
        - People ~~should~~ have the ability to search without surveillance; in general we don't track individual usersj of most NLM resources (eg., MedlinePlus, PubMed, PMC, ClinicalTrials.gov)
        - Note – in cases like dbGaP, approved users are available on the web, and we authenticate users to implement access controls
        -

- NLM's role is to ensures its resources are operating optimally, within appropriate laws, regulations, and policies
- NLM does not expose user search data (e.g., for MEDLINE Plus, PubMed, PMC)

What has NLM been able to accomplish with the recent increases in Appropriations?

- Funding increased over FY2015-2019 have supported growing NLM investments in data science, ~~more robust~~expansion of its extramural research grants programs, while maintaining growth in its information services, NLM's investment in research, outreach, and engagement, ~~as well as~~and strengthening ~~technology~~ its technical infrastructure. [Launched more targeted extramural programs, to reducing bias in big data; research on personal health libraries for consumers and patients; and research on computational approaches to curation.]

-
- Expanding ~~NLM has supported extramural~~ research programs
  - Growth in total budget for extramural research (e.g., $10M more in last 2 years alone, add %) - ~~expanded extramural investments (~~almost triple the number of awards)
  - Launched more targeted extramural programs, to ~~in~~ reducing bias in big data; research on personal health libraries for consumers and patients; and research on computational approaches to curation.
  - ~~and~~launched joint initiatives with the National Science Foundation have brought more computer scientists into biomedical informatics and data science research (how many grants awarded so far – 5?).
  -
  - expanded extramural investments (almost triple the number of award~~s)~~
  -
  - ~~the increased investment has~~ expanded university-based training ~~and training resources~~programs in biomed informatics and data science - –ncluding links to I-schools and minority serving institutions.
  - Hired new investigator(s)
- Sustain, enhance, and modernize NLM's most heavily used biomedical information systems, high quality, trusted information – Launch of new PubMed; addition of datasets to PMC; ClinicalTrials.gov, dbGaP. Stats about the growth in content – added x million citations to PubMed. . .
  - ~~for undergraduate, graduate and postgraduate students in biomedical data science,~~ and joint initiatives with the National Science Foundation have brought more computer scientists into biomedical informatics and data science research.
- ~~NNLM partnership with All of Us Research Program on community engagement~~
- NLM is reaching more people in more ways through enhanced dissemination and engagement pathways. It supports the development and operation of high-value biomedical information services and systems, including for health data standards. To this end, has greatly expanded the quantity and range of high-quality information, tools, and data available to researchers, health professionals, and the public. Additionally, NLM has improved access to timely information about research activities from their initial funding to results, enabling researchers, practitioners, policy makers, and the public to make better informed decisions and improve efficiencies.

Comment [SJ([]: Is this from our a

- Strengthened IT and physical infrastructure – making our on site IT systems more robust while exploring/beginning to make more use of cloud-based infrastructure – modernization of platforms. stabilized and improved security of computer systems. Planned renovation of physical space to maintain integrity of physical collection, consolidate public services spaces, house workforce of the future.
- Streamlined organizational and technical infrastructure – consolidated (staff, systems) to improve operational efficiencies and establish more common platforms for our information systems. Improve user experience, discoverabililty of information (while making more cost effective). Freed up resoruces to do all of the above

~~1)~~
~~2) stabilized and improved security of computer systems~~
~~3)expanded data science training~~
~~4) supported major reorganization of NLM~~
~~5) improved physical plant~~
~~6) added new investigators~~
~~7) improved technical infrastructure of key products~~
~~8) evaluated and re-aligned outreach~~

NLM's Top 3-5 Priorities (two sentences for each priority)

Overall: ~~To become the library of the future~~Become a platform for biomedical discovery and data-driven health.

- Accelerate discovery and advance health through data-driven research – Research, Service development
- Reach more people in more ways through enhanced dissemination and engagement – right info, right place and right time; outreach – info available to all who can use, including those who know us and those who don't (yet)
- Build a workforce for data-driven research and health –biomedical informatics to librarians/data managers – increase diversity and inclusion

Sent: 17 Sep 2019 14:35:46 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: FW: Haz-Map Draft & other LO topics for 4 pm today
Attachments: FW: Haz-Map and its importance to DEEOIC and our Claimants

Jerry,
Here's the draft for me to respond to DOL regarding Haz-Map. Jody already reviewed it. Happy to make any changes you would like. I think I should send it.

Other topics to cover quickly
LOINC & Clem

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Monday, September 16, 2019 4:23 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: Haz-Map Draft

Joyce
Below is a draft message to send to Doug Pennington at DOL about Haz-Map.
David

Dear …

We appreciate your interest in and concern about the Haz-Map database that has been offered by NLM. NLM is reviewing the status the products and services formerly offered by the Division of Specialized Information Services (SIS) . During this summer SIS staff were merged with different areas of NLM; we are now in the process of making hard decisions about streamlining, consolidating, or retiring resources were appropriate. We are focusing on retaining products and services that are unique offerings from NLM, are highly connected to other NLM offerings, or clearly contribute to furthering the NLM Strategic Plan.

Haz-Map is part of the ToxNet suite of databases. Some these databases, such as ToxLine and DART are being moved into PubMed. Others, like LactMed and LiverTox have been moved to the NLM BookShelf. We do understand that Haz-Map as offered by NLM provides you with an independent, third-party source for this information. However there is nothing about the data that is unique to NLM. The data is offered directly by the content originator, www.Haz-Map.com. NLM was not providing any direct additional value to the content.

The license to maintain and update this data ended this July. We are committed to continuing access to the NLM version of Haz-Map through mid-December, allowing user such as yourself time to work with www.Haz-Map.com directly or with another third party for whom this content is better suited. In December, the Haz-Map data and the system providing it is scheduled to be retired. We hope that these remaining 3 months will provide you with enough time to develop an alternative.

From: Gillikin, David (NIH/NLM) [E]
Sent: 12 Sep 2019 12:55:35 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: FW: Haz-Map and its importance to DEEOIC and our Claimants

Joyce,
Just an FYI. This is Doug's response to my follow up email from yesterday.
David

From: Pennington, Douglas - OWCP <Pennington.Douglas@DOL.gov>
Sent: Thursday, September 12, 2019 8:33 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: Haz-Map and its importance to DEEOIC and our Claimants

David,

I appreciate your reminder, and we have been researching those options as well, but as noted in my email, working directly with Haz-Map creates political and optical issues for our program.

Having Haz-Map published by a trusted government third party, like LNM, provides a great deal of cover for DEEOIC, as no one can (or has) said that its contents are dictated by DEEOIC. But, if we work directly with Haz-Map and/or it isn't published by a medical/scientific third party, we lose all of that separation and our advocacy and advisory board communities will likely say that it is now a biased tool funded by or dictated by DEEOIC…

So, although there are alternatives such as direct access or contracting, those options are fraught with issues that make Haz-Map much less valuable than if published through a respected source like NLM!

Thanks again for forwarding and if any of the senior leadership at NLM would like to discuss this with me or the DEEOIC Director, we will be happy to make ourselves available for such a discussion.

Sincerely,
Doug

Douglas Pennington, CFE, CRM
Deputy Director
Division of Energy Employees

Occupational Illness Compensation
Office of Workers Compensation Programs
U.S. Department of Labor
D(202)343-5514 **| C**(202)596-0667

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Wednesday, September 11, 2019 12:51 PM
To: Pennington, Douglas - OWCP <Pennington.Douglas@DOL.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: Haz-Map and its importance to DEEOIC and our Claimants

Doug,

I just wanted to confirm that I have forwarded your message on to NLM Senior Management. And I do want to reiterate that the content from Haz-Map is available through the originator at www.haz-map.com. From our phone call, I know you are aware of this. I mention it again so that you can think about other options, such as working with them directly, or with them and another partner group. And as I mentioned in our phone call, a potential group that might be interested in this data as host is DOE's Office of Scientific and Technical Information (OSTI).

Regards,
David

From: Gillikin, David (NIH/NLM) [E]
Sent: Tuesday, September 10, 2019 8:31 AM
To: Pennington, Douglas - OWCP <Pennington.Douglas@DOL.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: Haz-Map and its importance to DEEOIC and our Claimants

Doug,

Thank you for this follow up information from our telephone call on Aug 30. I will pass this along to NLM Senior Management for their input. For your own information, the NLM Board of Regents is meeting this week, and I won't get any immediate response from our Senior Management. I'll keep you posted.

Regards,
David

From: Pennington, Douglas - OWCP <Pennington.Douglas@DOL.gov>
Sent: Tuesday, September 10, 2019 8:14 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: Haz-Map and its importance to DEEOIC and our Claimants

David & Pertti,

I really appreciated the opportunity to discuss Haz-Map and its import to the DEEOIC with you recently. Per our discussion, I promised to send a "short" primer on who we are, what we do, and how important Haz-Map and NLM's publication of it is to our program and claimant population.

In 2000, Congress passed the Energy Employees Occupational Illness Compensation Program Act (EEOICPA) which initially provided for direct compensation and medical benefits to current or former Department of Energy (DOE) employees or contractors who worked at specified DOE nuclear weapons facilities (beginning back to 1942), and later were diagnosed with one of 22 specified cancers. In 2004, Congress amended EEOICPA to expand benefits to former DOE contractors at specified facilities who were determined by DOL that their verifiable illness (any illness/condition) was linked to a toxic exposure working at that facility and that exposure was more likely than not a significant factor in causing, contributing to, or aggravating their medical condition. Under EEOICPA, claimants are responsible for making and proving their claims, including providing all necessary evidence. The Division of Energy Employees Occupational Illness Compensation (DEEOIC) is tasked with collecting evidence, which includes: employment, medical condition(s), probable toxic exposure(s), cause of death and similar information which we utilize to make adjudicatory determinations as to if the statutory, regulatory and procedural thresholds are met to award potential compensation and medical benefits (100% medical benefits related to accepted condition(s)).

In 2005, DEEOIC recognized that it would be difficult for claimants and/or their survivors, to provide evidence from long ago, especially given the classified nature of much of the work conducted at DOE facilities, so in order to assist claimants, we developed mechanisms to assist claimants in the collection of evidence. We work with DOE and with the Social Security Administration to employment records, and we provide Industrial Hygienists and physicians who are expert in analyzing information and providing opinions related to likely exposures and how those specific exposures may have been linked to individual claimant's claimed conditions. We also recognized that identifying the likely toxins that a claimant may have come into contact with at any specific facility would be often the most difficult thing for a claimant to prove or provide. So, DEEOIC developed a contract for the development and maintenance of the Site Exposure Matrixes (SEM). The SEM (publically available at: https://www.sem.dol.gov/) contractors sift through

documentation from DOE facilities to identify the toxins present at each facility and what job categories were most likely to come into contact with those toxins. Additionally, the SEM utilizes Haz-Map to identify the likely linkages between various toxins medical conditions, which provide claimants and our claims examiners with otherwise nearly impossible information to attain. This means, that without the SEM, which provides the known toxins and job categories that would have likely been exposed to the toxins, as well as known and scientifically accepted medical conditions that are linked to those toxins, it would be up to our claimants alone to "prove" what they were exposed to, and how that likely impacted their condition. That would be a daunting and unlikely hurdle for most claimants to overcome.

So, SEM, utilizing Haz-Map is a critical and essential part of our claims adjudication tool kit, allowing DEEOIC to more effectively provide the compensation and medical benefits (currently over $1.8 billion per fiscal year) to our claimant population. If Haz-Map is not maintained, and we are unable to continue to update our evolving understanding of how different toxins impact medical conditions, many claimants will be unable to make their case for benefits.

Additionally, in the initial statute, Congress recognized that many of the claimants were exposed to radiation and toxins without being informed or made aware of the potential dangers. Our claimant population, having worked in highly classified facilities, often working with toxins that they didn't understand or weren't aware of the danger, have a highly defined mistrust of the government. There is also an advocacy community that feeds that mistrust and constantly argues that DOE and the DEEOIC are trying to limit or deny their benefits. So, having the Haz-Map utilized in SEM, where the Haz-Map is publically published and available from a trusted 3rd party like the NLM is essential to our credibility that we are using the best available science to make linkages. Without this trusted resource, published publically by NLM, our advocacy community will say that DEEOIC is simply making these decisions to thwart claimants and not meeting medical or scientific standards in our adjudicatory process.

Finally, Haz-Map is such a critical tool to our adjudication activities that from 2011-2014, DEEOIC paid NLM to publish Haz-Map updates quarterly, instead of annually. Attached is the reimbursable agreement (MOU) that we had with NLM at that time.

I hope that this helps NLM understand the value and import we place on Haz-Map for our claims process and to help assure the independence and public trust that is essential to helping maintain our ability to meet our statutory duty to our claimants.

I look forward to further and future discussions and hopefully we can work out some kind of arrangement to maintain NLM's relationship and publication of Haz-Map in the future!

Sincerely,
Doug

Douglas Pennington, CFE, CRM
Deputy Director
Division of Energy Employees
Occupational Illness Compensation
Office of Workers Compensation Programs
U.S. Department of Labor
D(202)343-5514 **| C**Personal Info

From: Backus, Joyce (NIH/NLM) [E]
Sent: 17 Sep 2019 14:39:49 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Subject: FW: Haz-Map Draft & other LO topics for 4 pm today
Attachments: FW: Haz-Map and its importance to DEEOIC and our Claimants

Jerry,
Here's the draft for me to respond to DOL regarding Haz-Map. Jody already reviewed it. Happy to make any changes you would like. I think I should send it.

Other brief topics to cover
LOINC & Clem
ICMJE Rep
Mezz move & communications

Thanks, Joyce

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Monday, September 16, 2019 4:23 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: Haz-Map Draft

Joyce
Below is a draft message to send to Doug Pennington at DOL about Haz-Map.
David

Dear …

We appreciate your interest in and concern about the Haz-Map database that has been offered by NLM. NLM is reviewing the status the products and services formerly offered by the Division of Specialized Information Services (SIS) . During this summer SIS staff were merged with different areas of NLM; we are now in the process of making hard decisions about streamlining, consolidating, or retiring resources were appropriate. We are focusing on retaining products and services that are unique offerings from NLM, are highly connected to other NLM offerings, or clearly contribute to furthering the NLM Strategic Plan.

Haz-Map is part of the ToxNet suite of databases. Some these databases, such as ToxLine and DART are being moved into PubMed. Others, like LactMed and LiverTox have been moved to the NLM BookShelf. We do understand that Haz-Map as offered by NLM provides you with an independent, third-party source for this information. However there is nothing about the data that is unique to NLM. The data is offered directly by the content originator, www.Haz-Map.com. NLM was not providing any direct additional value to the content.

The license to maintain and update this data ended this July. We are committed to continuing access to the NLM version of Haz-Map through mid-December, allowing user such as yourself time to work with www.Haz-Map.com directly or with another third party for whom this content is better suited. In

December, the Haz-Map data and the system providing it is scheduled to be retired. We hope that these remaining 3 months will provide you with enough time to develop an alternative.

From: Gillikin, David (NIH/NLM) [E]
Sent: 12 Sep 2019 12:55:35 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: FW: Haz-Map and its importance to DEEOIC and our Claimants

Joyce,
Just an FYI. This is Doug's response to my follow up email from yesterday.
David

From: Pennington, Douglas - OWCP <Pennington.Douglas@DOL.gov>
Sent: Thursday, September 12, 2019 8:33 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: Haz-Map and its importance to DEEOIC and our Claimants

David,

I appreciate your reminder, and we have been researching those options as well, but as noted in my email, working directly with Haz-Map creates political and optical issues for our program.

Having Haz-Map published by a trusted government third party, like LNM, provides a great deal of cover for DEEOIC, as no one can (or has) said that its contents are dictated by DEEOIC. But, if we work directly with Haz-Map and/or it isn't published by a medical/scientific third party, we lose all of that separation and our advocacy and advisory board communities will likely say that it is now a biased tool funded by or dictated by DEEOIC…

So, although there are alternatives such as direct access or contracting, those options are fraught with issues that make Haz-Map much less valuable than if published through a respected source like NLM!

Thanks again for forwarding and if any of the senior leadership at NLM would like to discuss this with me or the DEEOIC Director, we will be happy to make ourselves available for such a discussion.

Sincerely,
Doug

Douglas Pennington, CFE, CRM
Deputy Director
Division of Energy Employees

Occupational Illness Compensation
Office of Workers Compensation Programs
U.S. Department of Labor
D(202)343-5514 **| C**(202)596-0667

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Wednesday, September 11, 2019 12:51 PM
To: Pennington, Douglas - OWCP <Pennington.Douglas@DOL.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: Haz-Map and its importance to DEEOIC and our Claimants

Doug,

I just wanted to confirm that I have forwarded your message on to NLM Senior Management. And I do want to reiterate that the content from Haz-Map is available through the originator at www.haz-map.com. From our phone call, I know you are aware of this. I mention it again so that you can think about other options, such as working with them directly, or with them and another partner group. And as I mentioned in our phone call, a potential group that might be interested in this data as host is DOE's Office of Scientific and Technical Information (OSTI).

Regards,
David

From: Gillikin, David (NIH/NLM) [E]
Sent: Tuesday, September 10, 2019 8:31 AM
To: Pennington, Douglas - OWCP <Pennington.Douglas@DOL.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: Haz-Map and its importance to DEEOIC and our Claimants

Doug,

Thank you for this follow up information from our telephone call on Aug 30. I will pass this along to NLM Senior Management for their input. For your own information, the NLM Board of Regents is meeting this week, and I won't get any immediate response from our Senior Management. I'll keep you posted.

Regards,
David

From: Pennington, Douglas - OWCP <Pennington.Douglas@DOL.gov>
Sent: Tuesday, September 10, 2019 8:14 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: Haz-Map and its importance to DEEOIC and our Claimants

David & Pertti,

I really appreciated the opportunity to discuss Haz-Map and its import to the DEEOIC with you recently. Per our discussion, I promised to send a "short" primer on who we are, what we do, and how important Haz-Map and NLM's publication of it is to our program and claimant population.

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I look forward to further and future discussions and hopefully we can work out some kind of arrangement to maintain NLM's relationship and publication of Haz-Map in the future!

Sincerely,
Doug

Douglas Pennington, CFE, CRM
Deputy Director
Division of Energy Employees
Occupational Illness Compensation
Office of Workers Compensation Programs
U.S. Department of Labor
D(202)343-5514 **| C** Personal Info

From: Nurik, Jody (NIH/NLM) [E]
Sent: 18 Sep 2019 18:09:31 +0000
To: Middleton, Grace (NIH/NLM) [C]
Subject: RE: environmental health resources

Great! Can I take a quick look at?

Thanks,
Jody

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Wednesday, September 18, 2019 2:09 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: environmental health resources

Yes, Colette sent it yesterday after I responded with the web edits. I told her I would get her my edits this afternoon.

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Wednesday, September 18, 2019 2:07 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: FW: environmental health resources

Hi Grace,

Did you receive any technical bulletin drafts to review? They may have been sent to the NLM Comms mailbox.

Thanks,
Jody

From: Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Sent: Wednesday, September 18, 2019 1:43 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: environmental health resources

Thanks Jerry,

I am adding David, Jeanne, and Bert to this email as they are working with the environmental health/tox resources. We have a team that is working on sunsetting and have drafted a Tech Bulletin article (sent to OCPL for review) to include more info than what is currently available online. The toxicology resources are further along than the disaster ones at this time. It is good to know that they are willing to help us with assessments, etc.

Stacey

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Wednesday, September 18, 2019 12:30 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: environmental health resources

Jody, Nicole, Stacey, Dianne,
I had a call today with some staff from NIEHS who are interested in the fate of several SIS/Enviro/Tox/Disaster resources. I described to them our plans, as best we know them. It occurs to me that we should involve NIEHS in our communications plans – both so they know what is happening and so they can help us communicate to various user communities. They may also be able to assist w/ training (along the lines of helping TOXNET users transition to PubChem, etc.). They expressed interest in WISER, REMM, and CHEMM, and offered to contribute to any ongoing or planned assessments of those resources. Below are the NIEHS staff who joined the call:

Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>;
Holmgren, Stephanie (NIH/NIEHS) [E] <holmgre1@niehs.nih.gov>;
Fostel, Jennifer (NIH/NIEHS) [E] <fostel@niehs.nih.gov>

Thanks,
Jerry

Jerry Sheehan
Deputy Director
National Library of Medicine | National Institutes of Health
8600 Rockville Pike, Bethesda, MD 20894-3808 USA
Tel: +1 301 496 6661; Mobile: Personal Info Fax: +1 301 402 2586
SheehanJR@nlm.nih.gov
http://nlm.nih.gov

From: Middleton, Grace (NIH/NLM) [C]
Sent: 18 Sep 2019 18:10:37 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: FW: TOXNET page messaging

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Tuesday, September 17, 2019 1:29 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Robison, Rex (NIH/NLM) [E] <rex.robison@nih.gov>; Hale, David (NIH/NLM) [E] <davehale@mail.nih.gov>
Subject: RE: TOXNET page messaging

Hi, again, Grace,

Please take a look at the associated *Technical Bulletin* draft as well.
https://teamsite.nlm.nih.gov:81/iw-mount/default/main/nlm/WORKAREA/common/htdocs/pubs/techbull/so19/so19_toxnet_discontinued.html

Thanks for your time.

C

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Monday, September 16, 2019 3:19 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: TOXNET page messaging

Colette,

Thank you for sharing the plan and language with me. I made the changes directly in the email below, in order to make it more direct and succinct for the user. Can you please incorporate my edits and share the pages in test before they publish? That will allow us to see how they look before the news goes public. One last review always helps.

Regards,
Grace M. Middleton, PMP [C]
Communications Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Office: 301-827-6719 Mobile: Personal Info
Grace.Middleton@nih.gov

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Monday, September 16, 2019 11:53 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: FW: TOXNET page messaging

Hi, Grace,

I should be able to coordinate changes to the SIS home page.

The Sunsetting Team met this morning and want to suggest the following changes to that messaging:

"As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that included the closure of the Specialized Information Services (SIS) division on June 30, 2019. The transition of some SIS programs into other parts of NLM**, including the Toxicology Data Network (TOXNET) (link to the TB article about this**), serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. **TOXNET is moving, most of its content will continue to be collected and reviewed; selected information is accessible through PubChem, PubMed, and Bookshelf. (Link to https://www.nlm.nih.gov/toxnet/index.html and later to the final TOXNET Transition Page).**

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656."

We will post the above once https://www.nlm.nih.gov/toxnet/index.html is finalized (expected to be later this week), at which time we will also post messaging on various

TOXNET home pages. ("On December,16, 2019, National Library of Medicine (NLM) TOXNET information will be migrated to PubChem, PubMed, and Bookshelf. Please see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/")

Let me know if you have any questions.

Colette

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Thursday, September 12, 2019 3:06 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: TOXNET page messaging

Thank you, Collette.

In coordination with these changes, the SIS Homepage needs to be updated to reflect the changes being made. Are you able to make those edits?

Regards,
Grace M. Middleton, PMP [C]
Communications Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Office: 301-827-6719 Mobile: Personal Info
Grace.Middleton@nih.gov

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Thursday, September 12, 2019 12:23 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: TOXNET page messaging

Hi, Grace,

As you know, many of the TOXNET offerings formerly supported in SIS will be migrated to other NLM resources or sunsetted by December of this year. We are currently working on placing informational banners on many of the sites' pages to alert users of this timeline.

Although you approved related sunsetting documents in July (https://sunsetting.nlm.nih.gov/request_details/261/) we want to remind you that we will be using the following wording for our alerts:

For TOXNET home, HSDB, TOXLINE, LactMed, DART, TRI, IRIS, ITER, CTD, CCRIS, CPDB, GENE-TOX:

"On December,16, 2019, National Library of Medicine (NLM) TOXNET information will be migrated to PubChem, PubMed, and Bookshelf. Please see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/"

For ChemIDplus, HazMap, Household Products Database, LiverTox, AltBib and several others *not immediately* affected:

"National Library of Medicine (NLM) TOXNET information is being migrated to PubChem, PubMed, and Bookshelf. Please see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/"

We hope to place this information on relevant pages early next week.

Please let us know if you have any comments or concerns.

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Hakkinen, Pertti (NIH/NLM) [E]
Sent: 18 Sep 2019 18:53:05 +0000
To: Arnesen, Stacey (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E]
Cc: Gillikin, David (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Subject: Re: environmental health resources

Stacey, thanks. I'm an NIEHS-led (ICCVAM) meeting today - Friday. The focus is not on our resources but I've already been asked today about the future of ALTBIB and ToxTutor. Yes, NIEHS (various sets of people) can be of big help to us for our tox/enviro/disaster resources.

Bert

From: "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>
Date: Wednesday, September 18, 2019 at 1:43:29 PM
To: "Sheehan, Jerry (NIH/NLM) [E]" <sheehanjr@mail.nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Babski, Dianne (NIH/NLM) [E]" <babskid@mail.nlm.nih.gov>
Cc: "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Hakkinen, Pertti (NIH/NLM) [E]" <hakkinenp@mail.nlm.nih.gov>
Subject: RE: environmental health resources

Thanks Jerry,

I am adding David, Jeanne, and Bert to this email as they are working with the environmental health/tox resources. We have a team that is working on sunsetting and have drafted a Tech Bulletin article (sent to OCPL for review) to include more info than what is currently available online. The toxicology resources are further along than the disaster ones at this time. It is good to know that they are willing to help us with assessments, etc.

Stacey

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Wednesday, September 18, 2019 12:30 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: environmental health resources

Jody, Nicole, Stacey, Dianne,
I had a call today with some staff from NIEHS who are interested in the fate of several SIS/Enviro/Tox/Disaster resources. I described to them our plans, as best we know them. It

occurs to me that we should involve NIEHS in our communications plans – both so they know what is happening and so they can help us communicate to various user communities. They may also be able to assist w/ training (along the lines of helping TOXNET users transition to PubChem, etc.). They expressed interest in WISER, REMM, and CHEMM, and offered to contribute to any ongoing or planned assessments of those resources. Below are the NIEHS staff who joined the call:

Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>;
Holmgren, Stephanie (NIH/NIEHS) [E] <holmgre1@niehs.nih.gov>;
Fostel, Jennifer (NIH/NIEHS) [E] <fostel@niehs.nih.gov>

Thanks,
Jerry

Jerry Sheehan
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From: Goodwin, Rebecca (NIH/NLM) [E]
Sent: 19 Sep 2019 14:13:30 +0000
To: Sheehan, Jerry (NIH/NLM) [E];Paltoo, Dina (NIH/NLM) [E]
Cc: Kight, Chianti (NIH/NLM) [C]
Subject: NLM Questions + NOTES for LHHS Hearing 2019-09-25.docx
Attachments: NLM Questions + NOTES for LHHS Hearing 2019-09-25.docx
Importance: High

Hi Jerry and Dina,

This is the draft document compiling the information we have received from NLM staff and notes for talking points. I still need to add some of the things sent yesterday and today.

I have it on my onedrive but don't seem to have permissions to save it to the new folder.

Link is NLM Questions + NOTES for LHHS Hearing 2019-09-25.docx

Also attached.

Best regards,
Rebecca

September 25 House Labor-HHS Subcommittee Hearing Preparation
Proposed Questions and Top Priorities for the National Library of Medicine
Annotated with Notes & Talking Points for Internal NLM Prep & Reference
Updated 9/18/2019

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We have concerns about some trials listed in NLM's ClinicalTrials.gov, such as trials that require payments from participants, are conducted by clinics under investigation by FDA, or are considered basic science. How does NLM vet trials listed in ClinicalTrials.gov to protect patients from harmful treatments and minimize the burden on researchers of submitting information? 3

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Comment [SJ([]: Where to place this bullet???

Comment [SJ([]:

Comment [SJ([]: Sound more like services than R

Comment [SJ([]: ?

Three Questions for NLM

What are some of the most exciting recent developments in NLM's information services?

- NLM has been a center of information innovation since its founding in 1836
- Science advances through communication and dissemination of knowledge:
    - [Is a leader in data science and open science research
    - Acquires, analyzes and stores data for preservation and discovery
    - Delivers digitized biomedical literature to support reliability, reproducibility, transparency, and access to research data and results
    - Ensures a data savvy and multi-disciplinary workforce
    - Helps shape the NIH and national agenda related to artificial intelligence (AI), machine learning, health data standards, interoperability, open science, and data science.]???
- NLM's organization is tightly integrated through its service and research: 80% service, 20% research. NLM's organization differs from other NIH ICs – extramural program is smaller and intramural program is bigger
- NLM conducts research that makes its resources, tools, and services more useful and usable
- NLM hosts and maintains important public facing resources used by researchers, health professionals, and the public from all over the world (e.g., most heavily used resources include MedlinePlus, PubMed, PMC, dbGaP, ClinicalTrials.gov, Genetics Home Reference, ToxNet)
    - ***Each day, NLM websites are used by more than 6 million people, who deposit about 15 terabytes of data and download about 115 terabytes of data and information.***
    - ***Annually, NLM websites receive and process more than 6 billion human interactions and 8 billion computer-to-computer interactions***
- *Add some examples of improvements/enhancements/usage – new PubMed, etc.*
- *Add support for standards, CDEs, FHIR, etc.*

What type of research does NLM support, and what is most exciting to you now?

- Included some general budget figures for our intramural and extramural research – and training. General statements about what kinds of research we do.
- As digital information systems become the foundation of biomedical research data and health information, NLM is poised to become the Library of the future, by pioneering ways to make new types of biomedical information more accessible and build tools for better management of personal health and big data.
- Making data available to the world.
- 9/24 announcement

- Public access to data and publications – SRA, PMC
- Green Button Project
- CRISPR (Koonin)
- PHR for people emancipating from foster care
- The new PubMed
- ??? Unifying management of our intramural research program (CBB + LHC)

Comment [SJ([]: This is services, not R

Comment [SJ([]: Should reference this in the R reponse

How is NLM contributing to reducing health disparities?

- Reframe around outreach and highlight NNLM in the response. 7000+ members across the country. . .. emphasis on outreach, includes underserved populations. Relates to using NLM products and services. . . Include AllofUs partnership and role of public libraries.
- Funding research to reduce bias in big data: development of synthetic or hybrid data set which conforms to FAIR open data principles, and models racially and ethnically diverse communities in order to test methods and metrics and address possible biases due to under-representation of minorities and women.
- NIH Common Data Elements for Health Disparities: Several NIH Institutes invest in programs to develop common data elements for clinical research in order to enable data harmonization and meta-analyses and enhance data sharing. NLM works to ensure that formal vocabularies used to describe people, health problems, and health care processes are sufficiently robust to encompass the full range of health as experienced across all people, all populations, and all communities. It is essential that there be sufficiently broad and diverse formal terms for a range of racial designations, ethnic characterizations, and sex identity. The work of NLM ensures that the data used to characterize people, their health problems, and the nature and effectiveness of clinical care be true and valid indicators of people, health problems, and care processes so delving into the nature of information is central to ensuring clear and accurate descriptions of real-world experience. While these efforts have typically been discipline- and disease-specific, NLM has developed a repository of all of the NIH CDE sets and is working toward becoming the central access point for NIH CDE tools and data.

Additional "Tough" Questions for NLM

We've heard concerns about NLM procedures for selecting journals for MEDLINE. How does NLM make decisions about what journals to include or exclude from MEDLINE, and how do you respond to criticisms raised?

- Description of PubMed, MEDLINE, and PMC
- To be considered for inclusion and indexing in MEDLINE, publishers submit journals to an NIH-chartered Federal Advisory Committee Act (FACA) advisory committee, the Literature Selection Technical Review Committee (LSTRC)

- LSTRC is comprised of 14 members, who are outside experts in medicine, biomedical research, scholarly communication, medical librarianship, and related disciplines, plus consultants for domain-specific expertise as needed.
- LSTRC is chartered to recommend journals for inclusion in MEDLINE following an established set of elements:
    - Scope and coverage (e.g., predominantly on core biomedical subjects);
    - Scientific merit of journal content (validity, importance, originality, contribution to coverage of the field);
    - Quality of editorial work to ensure objectivity, credibility, and quality of its content (e.g., procedures for elements, peer review, corrections);
    - Production quality;
    - Audience (primarily researchers and practitioners); and
    - Type of content (publications that are journals)
- MEDLINE is highly selective. LSTRC reviews approximately 150 journals at each of its three meetings per year. This number includes first-time submissions, as well as some journals already included in MEDLINE. Only about 15% of journals reviewed are recommended for inclusion in MEDLINE.
- Journals that are not selected for MEDLINE may apply for reconsideration after two years. Journals selected for MEDLINE are expected continue to meet NLM's established standards and can be subject to re-review, which can result in losing their indexing status.

We have concerns about some trials listed in NLM's ClinicalTrials.gov, such as trials that require payments from participants, are conducted by clinics under investigation by FDA, or are considered basic science. How does NLM vet trials listed in ClinicalTrials.gov to protect patients from harmful treatments and minimize the burden on researchers of submitting information?

- Launched, in 2000, NLM developed and maintains ClinicalTrials.gov, a web-based registry and results submission database for federally and privately funded clinical trials testing the effectiveness of FDA-regulated experimental drugs for serious or life-threatening diseases or conditions and NIH-funded clinical trials.
- ClinicalTrials.gov supports a series of laws and policies implemented in the United States and internationally, and is the world's largest, publicly accessible database of privately and publicly funded clinical studies conducted around the world.
- CT.gov results reporting proportion of ones actually required compliance levels and what we are doing and what enforcement options are avail
- Ebola and HIV reporting results accelerated treatment in the field examples – get from Becky

a few quick notes as background:

- Trials that require payments from participants – we supported an FDA response to Congress on this topic (in the context of stem cell clinics) recently and attach that here as reference. This would form the basis of the talking points with some more recent updates. I expect that OSP will also have an interest in this topic and how this is framed, especially given the call with FDA last week.
- Clinics under investigation by FDA – past a general statement of concern, would recommend that NLM indicate that matters about an FDA investigation are best addressed by FDA
- Basic science – would be clear that this is an NIH-wide policy (not NLM), but that we have and continue to support the work to better understand challenges and identify possible approaches to ensure information is meaningful and useful (NIH/OSP-OER should have lead on these talking points)
- Other "tough" topics – possibly compliance with FDAAA and 42 CFR Part 11; we had to report to Congress on this as part of our Cures Act reporting obligations; the report was gutted of any "real compliance" data
    - We estimate that overall compliance is about 75%, with industry and NIH-funded having higher rates of reporting
- NIH-funded trials that did not publish main results – I assume this is based on the Ross et al. paper from 2012 in BMJ
    - About half were not published in peer-reviewed journal within 30 months of completion (improves to 1/3 not published with more time)
    - Ross JS, Tse T, Zarin DA, Xu H, Zhou L, Krumholz HM. Publication of NIH funded trials registered in ClinicalTrials.gov: Cross-sectional analysis. *BMJ*. 2012;344:d7292. [Full Text]

How does NLM protect sensitive data and privacy when making information accessible on the Internet?

- Technology and policy working together
    - Example: Providing controlled access to sensitive data (in dbGaP) and aligning with NIH policies to protect patient privacy
- In general, NLM does not have patient-identificable information in its databases. dbGaP, which has de-identified individual level information and operates under strict NIH data access policies and procedures.
- Development of Identity & Access Management integration through centralized service, can provide investigator data access approvals in a standard and secure framework across all NIH Institutes, Centers and Offices.

    - Faster software development of new analysis tools and platforms becomes possible through industry standard authorization protocols as user authorization and authentication services become a standard plug-in to new user interfaces.
- NLM adhere to common library practice for and government laws/regularions for accessing information
    - People have the ability to search without surveillance; in general we don't track individual usersj of most NLM resources (eg., MedlinePlus, PubMed, PMC, ClinicalTrials.gov)
    - Note – in cases like dbGaP, approved users are available on the web, and we authenticate users to implement access controls
    - NLM's role is to ensures its resources are operating optimally, within appropriate laws, regulations, and policies
    - NLM does not expose user search data (e.g., for MEDLINE Plus, PubMed, PMC)

What has NLM been able to accomplish with the recent increases in Appropriations?

NLM has been able to accelerate its investment in data science and expand its extramural research grants programs, while maintaining growth in its information services, investment in research, outreach, and engagement, and strengthening its technical infrastructure. For example, NLM has launched more targeted extramural programs such as those for research on reducing bias in high-value, extremely large data sets, personal health libraries for consumers and patients, and computational approaches to data curation.

- Expanding research programs
    - Growth in total budget for extramural research (e.g., $10M more in last 2 years alone, add %) - almost triple the number of awards)
    - Launched more targeted extramural programs, to reducing bias in big data; research on personal health libraries for consumers and patients; and research on computational approaches to curation.
    - launched joint initiatives with the National Science Foundation have brought more computer scientists into biomedical informatics and data science research (how many grants awarded so far – 5?).
    - expanded university-based training programs in biomed informatics and data science - – ncluding links to I-schools and minority serving institutions.
    - Hired new investigator(s)
- Sustain, enhance, and modernize NLM's most heavily used biomedical information systems, high quality, trusted information – Launch of new PubMed; addition of datasets to PMC; ClinicalTrials.gov, dbGaP. Stats about the growth in content – added x million citations to PubMed. . .

- NLM is reaching more people in more ways through enhanced dissemination and engagement pathways. It supports the development and operation of high-value biomedical information services and systems, including for health data standards. To this end, has greatly expanded the quantity and range of high-quality information, tools, and data available to researchers, health professionals, and the public. Additionally, NLM has improved access to timely information about research activities from their initial funding to results, enabling researchers, practitioners, policy makers, and the public to make better informed decisions and improve efficiencies.
- Strengthened IT and physical infrastructure – making our on site IT systems more robust while exploring/beginning to make more use of cloud-based infrastructure – modernization of platforms. stabilized and improved security of computer systems. Planned renovation of physical space to maintain integrity of physical collection, consolidate public services spaces, house workforce of the future.
- Streamlined organizational and technical infrastructure – consolidated (staff, systems) to improve operational efficiencies and establish more common platforms for our information systems. Improve user experience, discoverabililty of information (while making more cost effective). Freed up resoruces to do all of the above

NLM's Top 3-5 Priorities

NLM's new strategic plan aims to position NLM to become a platform for biomedical discovery and data-driven health. NLM's will accelerate its investments in research in informatics and data science and align its research, development, and resource priorities toward achieving three goals, with an organizational structure that optimizes implementation:

- Accelerate discovery and advance health through data-driven research. NLM strives to collect and integrate an expanding set of information resources and enable them to be analyzed by tools emerging from informatics and data science research. NLM will create computable libraries of data, models, and literature and devise an interlocked environment that enables discovery.
- Reach more people in more ways through enhanced dissemination and engagement. NLM will establish pathways for dissemination and engagement across a broad range of users to drive information to the right place at the right time. NLM is committed to developing approaches to ensure information can be accessed by all communities, both those who are familiar with NLM and those who are not (yet).
- Build a workforce for data-driven research and health. NLM will expand training initiatives for informatics and data science research, for librarians and information science professionals, and for technical support that will drive and shape the future of biomedical discovery. NLM is committed to fostering a culture that not only advances science, but also ensures the development and retention of a diverse, safe, and respectful workforce for the future.

Exciting Items -- Details from NLM Leadership

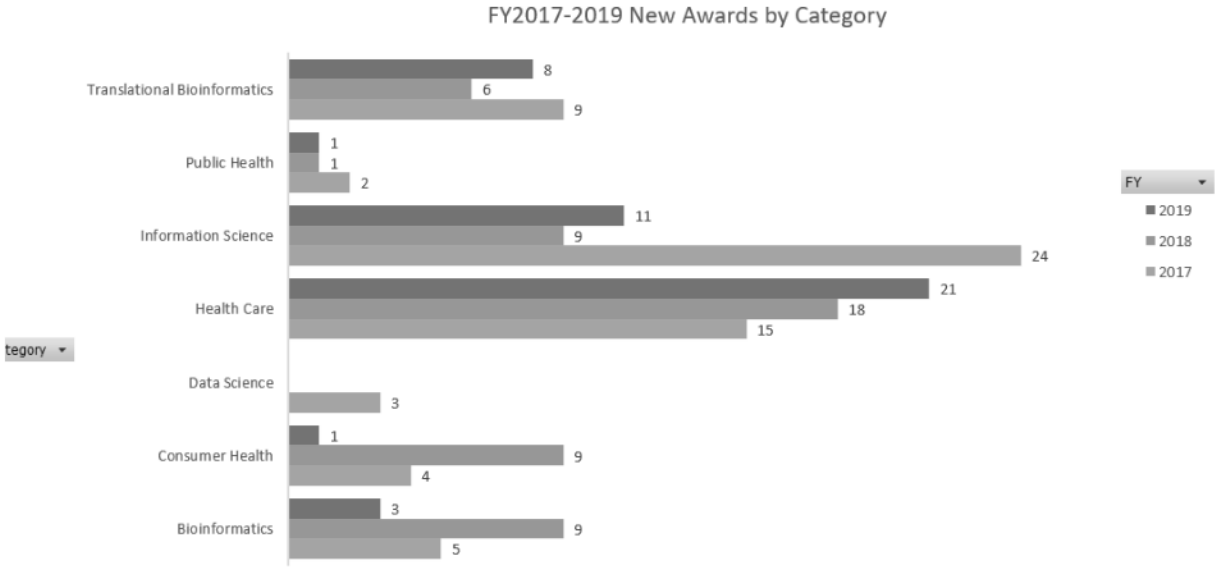
EP

active grants for House LHHS Appropriations Subcommittee Members

There are 10 grants, 4 in Rep DeLauro's district, 2 in Rep Pocan's district and 4 in Rep Lee's district.

investment areas of all grants, 2017-2019

Patti mentioned at last payline meeting that it would be helpful to see this alternate view of what we are funding. We still don't have a way to do this by method, or to reflect the crosscutting nature of data science, so this uses our standard investment areas (training grants fall into 'information science'). And the year isn't over yet, so 2019 isn't complete. Let me know if you find this view helpful. vf



	Bioinformatics	Consumer Health	Data Science	Health Care	Information Science	Public Health	Translational Bioinformatics
2019	3	1		21	11	1	8
2018	9	9		18	9	1	6
2017	5	4	3	15	24	2	9

FYI Comparing 2016 to 2019 RPGs in EP

Per your comment at payline about the number of award: This was a quick table and the 2019 number of awards is still an estimate. 65% more applications since 2016 in this group of RPGs and double the number of awards. ☺ We still give smaller RPG grants than other ICs, but we don't use R01s to train grad students the way other ICs do and we control the size of the R01s on our PARs in order to give more awards.

Year	# RPGs	# funded	$ awarded	NLM RPG Success Rate	NIH RPG Success Rate	NLM Avg RPG award $	NIH Avg RPG award $
2016	136	16	$ 5,665,829	11.8%	19.1	$ 354,114	$ 499,221
2017	140	26	$ 8,953,172	18.6%	18.7	$ 344,353	$ 520,429
2018	210	34	$ 11,195,843	16.0%	20.2	$ 329,290	$ 535,239
2019*	225	38	$ 14,902,497	17.3%	[redacted]	$ 392,171	[redacted]
*2019 estimate as of 2 Sept 2019 based on R01,R21,R15,R56 awards							

Dr. Valerie Florance

Associate Director for Extramural Programs, NLM/NIH/DHHS

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ph 301-496-4621

6 exciting grants

Below info listed with a brief summary and at least one link to an article, often more and links are 'clickable'. 3 different people put it together so the format is not consistent, but each new one starts with red type. These are the 6 grants:

1. Mechanistic Machine Learning. Albers, David
2. Bridging the Semantic Gap between research Eligibility Criteria and Clinical Data. Weng, Chunhua
3. Neighborhood Looking Glass: 360 Degree Automated Characterization of the Build Environment for Neighborhood Effects Research. Nguyen, Quynh
4. Methods and Software for High-Dimensional Risk Prediction Research. Lu, Qing
5. Heuristics to Evaluate Biomedical and Genomic Knowledge Bases for Validity. Gilllis, Jesse
6. Evidence Extraction Systems for the Molecular Interaction Literature. Peng, Nanyum

Project Title: MECHANISTIC MACHINE LEARNING

PI: ALBERS, DAVID

Grant Number: 1R01LM012734-01

The goal of this project is to develop better ways to combine data about individual patients with knowledge about physiology to create personalized forecasts and recommendations about a patient's health. The researchers will apply data assimilation (DA), mechanistic mathematical modeling, machine learning, and control theory, which have revolutionized space travel, weather forecasting, transportation and flight, and manufacturing, to clinical medicine. The project will specifically address the management of glucose in the intensive care unit, an area of high importance that could benefit from improved forecasts and recommendations.

Recent Publication:

Albers DJ, Levine ME, Stuart A, Mamykina L, Gluckman B, Hripcsak G. Mechanistic machine learning: how data assimilation leverages physiologic knowledge using Bayesian inference to forecast the future, infer the present, and phenotype. *J Am Med Inform Assoc*. 2018 Oct 1;25(10):1392-1401. doi: 10.1093/jamia/ocy106. PMID: 30312445; PMCID: PMC6188514.

Project Title: BRIDGING THE SEMANTIC GAP BETWEEN RESEARCH ELIGIBILITY CRITERIA AND CLINICAL DATA
PI: WENG, CHUNHUA
Grant Number: 2R01LM009886-08A1

The long-term goal of this project is to optimize the design and conduct of human clinical research using informatics. Eligibility criteria define the study population for every human study. Their clarity, accuracy and precision are crucial to the success of participant recruitment, results dissemination, and evidence synthesis. By defining the characteristics of the intended study population, eligibility criteria critically influence the population representativeness of a clinical study, which further influences the tradeoff between patient safety and research results' replicability and generalizability. This project will integrate patient data, including clinical and genomic data, with public clinical trial information, to proactively guide investigators to optimize the precision, recruitment feasibility and representativeness of eligibility criteria. Consequently, this research will increase the transparency of the population representativeness of clinical research eligibility criteria, reduce selection biases, improve research reliability, and enhance the patient-centeredness of clinical studies and thus mitigate health disparities.

Recent Publication:
Yuan C, Ryan PB, Ta C, Guo Y, Li Z, Hardin J, Makadia R, Jin P, Shang N, Kang T, Weng C. Criteria2Query: a natural language interface to clinical databases for cohort definition. *J Am Med Inform Assoc*. 2019 Apr 1;26(4):294-305. doi: 10.1093/jamia/ocy178. PMID: 30753493; PMCID: PMC6402359.

Neighborhood Looking Glass: 360 Degree Automated Characterization of the Built Environment for Neighborhood Effects Research Grant No: 5R01LM012849-02
Principal Investigator: NGUYEN, QUYNH
Institution: University of Maryland.

PROJECT SUMMARY/ABSTRACT

Shorter Summary
Neighborhood quality has long been connected with an array of health issues, from obesity to addiction, but neighborhood research has been limited by the lack of methods to characterize large geographical areas. This study uses innovative computer vision methods and a new big data source of street view images to automatically characterize neighborhood environments and linking it to health information. The system called Neighborhood Looking Glass will be available to researchers, clinicians, policy makers, city planners and others to make informed decisions about health and community needs and the impact of the built environment. The project is utilizing geographic information systems to assemble a national collection of Google Street View images of all road intersections and street segments in the United States. Aim 1. Develop automated techniques to produce neighborhood quality indicators of physical disorder (e.g., cleanliness of streets, dilapidated buildings) and walkability (e.g., crosswalks, traffic lanes) from Google Street View images combined with other neighborhood

data sources on parks, food stores, health care facilities, and social environment indicators derived from social media data. Aim 2. Measure the accuracy of data algorithms and construct a geoportal for neighborhood data visualization and data sharing, called Neighborhood Looking Glass. Aim 3. Utilize Neighborhood Looking Glass and a large collection of medical records from Intermountain Healthcare to evaluate neighborhood influences on health. Hypothesis: The built environment (physical disorder, walkability, food access, and health care access) and social environment (demographic composition, social and cultural processes) will predict the risk of obesity and substance abuse.

Article

Using Google Street View to Examine Associations between Built Environment Characteristics and U.S. Health Outcomes

Quynh C.Nguyen, Sahil Khanna, Pallavi, Dwived, Dina Huanga, Yuru Huanga,Tolga Tasdizen, Kimberly D. Brunisholz, Feifei Li, Wyatt Gorman, Thu T. Nguyen, and Chengsheng Jiang

Preventive Medicine Reports Volume 14, June 2019, https://doi.org/10.1016/j.pmedr.2019.100859

Article Abstract

Neighborhood attributes have been shown to influence health, but advances in neighborhood research has been constrained by the lack of neighborhood data for many geographical areas and few neighborhood studies examine features of nonmetropolitan locations. We leveraged a massive source of Google Street View (GSV) images and computer vision to automatically characterize national neighborhood built environments. Using road network data and Google Street View API, from December 15, 2017-May 14, 2018 we retrieved over 16 million GSV images of street intersections across the United States. Computer vision was applied to label each image. We implemented regression models to estimate associations between built environments and county health outcomes, controlling for county-level demographics, economics, and population density. At the county level, greater presence of highways was related to lower chronic diseases and premature mortality. Areas characterized by street view images as 'rural' (having limited infrastructure) had higher obesity, diabetes, fair/poor self-rated health, premature mortality, physical distress, physical inactivity and teen birth rates but lower rates of excessive drinking. Analyses at the census tract level for 500 cities revealed similar adverse associations as was seen at the county level for neighborhood indicators of less urban development. Possible mechanisms include the greater abundance of services and facilities found in more developed areas with roads, enabling access to places and resources for promoting health. GSV images represents an underutilized resource for building national data on neighborhoods and examining the influence of built environments on community health outcomes across the United States

1R01LM012848-01 METHODS AND SOFTWARE FOR HIGH-DIMENSIONAL RISK PREDICTION RESEARCH
Lu, Qing Michigan State

The use of human genome discoveries and other established risk predictors for early disease prediction is an essential step towards precision medicine. However, the task of developing clinically useful risk prediction models is hampered by the present state of evidence, in which currently known risk predictors are insufficient for accurately predicting most human diseases. high-throughput technologies make it feasible to collect diverse types of omic data in large-scale studies, data that hold great promise to further improve existing prediction models, but the high-dimensionality of omic data, the heterogeneous etiology of human diseases, and the complex inter-relationships among various levels of omic data offer tremendous analytic challenges. The goal of this application is to complete the development of a random field (RF) framework and software for high-dimensional risk prediction research using omic data, and then apply the framework to Alzheimer's disease (AD). The proposed research will integrate a kernel function and a spatial adaptive lasso into RF, making it applicable for high-dimensional data with a large number of predictors. Moreover, the new framework can utilize the family design to address several important issues (e.g., genetic heterogeneity) in predicting complex diseases.

The proposed framework attain will attain a more accurate and robust performance than existing methods. The application of the new methods and software to large-scale AD datasets could also lead to novel AD risk prediction models that could be further replicated and investigated through collaborative research.

Risk prediction that capitalizes on emerging human genome findings holds great promise for improved healthcare and precision medicine. The proposed research will develop an analytical framework and software for risk prediction using omic data, and will apply the new framework to Alzheimer's disease.

A multi-locus predictiveness curve and its summary assessment for genetic risk prediction.	Statistical methods in medical research. 2019 Jan 07; :962280218819202	Wei, Changshuai; Li, Ming; Wen, Yalu; Ye, Chengyin; Lu, Qing	
Considering Genetic Heterogeneity in the Association Analysis Finds Genes Associated With Nicotine Dependence.	Frontiers in genetics. 2019; 10 :448	Zhang, Xuefen; Lan, Tongtong; Wang, Tong; Xue, Wei; Tong, Xiaoran; Ma, Tengfei; Liu, Guifen; Lu, Qing	
Joint analysis of genetic and epigenetic data using a conditional autoregressive model.	BMC genetics. 2018 09 17; 19 (Suppl 1) :71	Shen, Xiaoxi; Lu, Qing	
Genetic risk prediction using a spatial autoregressive model with adaptive lasso.	Statistics in medicine. 2018 11 20; 37 (26) :3764-3775	Wen, Yalu; Shen, Xiaoxi; Lu, Qing	
Detecting Rare Mutations with Heterogeneous Effects Using a Family-Based Genetic Random Field Method.	Genetics. 2018 10; 210 (2) :463-476	Li, Ming; He, Zihuai; Tong, Xiaoran; Witte, John S; Lu, Qing	

HEURISTICS TO EVALUATE BIOMEDICAL AND GENOMIC KNOWLEDGE BASES FOR VALIDITY

1R01LM012736-01 **Contact PI / Project Leader:** GILLIS, JESSE

Title:

Awardee Organization: COLD SPRING HARBOR LABORATORY

Project Summary Our overarching goal is to understand how information characterizing genes and their function

can be organized, integrated, and then generalized to new contexts. This is a central question of the post-genomic era, and one that becomes ever more pressing as novel assays expand the scope, breadth, and detail of information describing gene properties. While the Gene Ontology is the most prominent and universal system for organizing gene function, hundreds of others exist, often serving specialized research interests. Most laboratories depend on the validity of some subset of this data to design new experiments or interpret their results, but their quality is hard to directly ascertain, particularly in novel or complex integrative methodologies. Based on substantial preliminary data, we hypothesize that determining robustness and specificity will provide a highly general assessment of the utility of databases. We propose to use these properties to assess the entire corpus of resources organizing gene information, as well as the methods which exploit this information, and the results that they report. Critically, determining robustness and specificity does not require validation with respect to 'gold standard' information. By evaluating these resources with respect to their joint specificity and robustness we determine means of integrating and organizing their data for use in novel applications. Finally, we propose to apply our improvements in quality control to better target rare but robust results where this is an experimental goal, notably rare diseases and single cell expression. The three complementary objectives in this project are to: 1. Determine the uniqueness and robustness of data characterizing gene function. We develop a formal approach for characterizing robustness and uniqueness/specificity by exploiting prior probability in the form of gene multifunctionality. We will evaluate robustness and specificity across essentially all complex and structured databases characterizing genes. These measures can be compared between databases or over time and provide a global landscape of data structure. 2. Test methods designed to exploit information describing gene function. Statistical and machine learning methods exploiting structured data will be assessed for robust and specific output. Data features driving performance in diverse applications will be identified and complementary sources of data as well as community clusters will be defined. 3. Evaluate results that depended on the use of databases describing gene function. Using a combination of text-mining and figure-mining, we will assess the ongoing literature for novel, robust, and specific gene-function associations. We will characterize and evaluate the "dark matter" of gene-function association from both the point of unannotated genes as well as incomplete functions.

Recent advances in genetics have it made possible to assess gene function in many different contexts and this data is captured in numerous resources which catalogue the varied properties of genes. The primary goal of this project is to explore and characterize the specificity and robustness of information about gene function within these databases. Because most biomedical experiments build on pre-existing knowledge, establishing guidelines for interpreting that data also has a large impact on our ability to understand novel results, particularly where they are unusual, as in many rare diseases.

Single cell RNA-sequencing: replicability of cell types.	Current opinion in neurobiology. 2019 Jun; 56 :69-77	Crow, Megan; Gillis, Jesse	
Predictability of human differential gene expression.	Proceedings of the National Academy of Sciences of the United States of America. 2019 03 26; 116 (13) :6491-6500	Crow, Megan; Lim, Nathaniel; Ballouz, Sara; Pavlidis, Paul; Gillis, Jesse	
Characterizing the replicability of cell types defined by single cell RNA-sequencing data	Nature communications. 2018 02 28; 9 (1) :884	Crow, Megan; Paul, Anirban; Ballouz, Sara; Huang, Z Josh;	

using MetaNeighbor.		Gillis, Jesse	
The fractured landscape of RNA-seq alignment: the default in our STARs.	Nucleic acids research. 2018 06 01; 46 (10) :5125-5138	Ballouz, Sara; Dobin, Alexander; Gingeras, Thomas R; Gillis, Jesse	
Co-expression in Single-Cell Analysis: Saving Grace or Original Sin?	Trends in genetics : TIG. 2018 11; 34 (11) :823-831	Crow, Megan; Gillis, Jesse	

EVIDENCE EXTRACTION SYSTEMS FOR THE MOLECULAR INTERACTION LITERATURE

1R01LM012592-01 **Contact PI / Project Leader:** Nanyun Violet Peng.

Title:

Awardee Organization: UNIVERSITY OF SOUTHERN CALIFORNIA

In primary research articles, scientists make claims based on evidence from experiments, and report both the claims and the supporting evidence in the results section of papers. However, biomedical databases describe the claims made by scientists in detail, but rarely provide descriptions of any supporting evidence that a consulting scientist could use to understand why the claims are being made. Currently, the process of curating evidence into databases is manual, time-consuming and expensive; thus, evidence is recorded in papers but not generally captured in database systems. For example, the European Bioinformatics Institute's INTACT database describes how different molecules biochemically interact with each other in detail. They characterize the under- lying experiment providing the evidence of that interaction with only two hierarchical variables: a code denoting the method used to detect the molecular interaction and another code denoting the method used to detect each molecule. In fact, INTACT describes 94 different types of interaction detection method that could be used in conjunction with other experimental methodological processes that can be used in a variety of different ways to reveal different details about the interaction. This crucial information is not being captured in databases. Although experimental evidence is complex, it conforms to certain principles of experimental design: experimentally study- ing a phenomenon typically involves measuring well-chosen dependent variables whilst altering the values of equally well-chosen independent variables. Exploiting these principles has permitted us to devise a preliminary, robust, general-purpose representation for experimental evidence. In this project, We will use this representation to describe the methods and data pertaining to evidence underpinning the interpretive assertions about molecular interactions described by INTACT. A key

contribution of our project is that we will develop methods to extract this evidence from scientific papers automatically (A) by using image processing on a specific subtype of figure that is common in molecular biology papers and (B) by using natural language processing to read information from the text used by scientists to describe their results. We will develop these tools for the INTACT repository but package them so that they may then also be used for evidence pertaining to other areas of research in biomedicine.

Building deep learning models for evidence classification from the open access biomedical literature. See abstract below	Database : the journal of biological databases and curation. 2019 01 01; 2019	Burns, Gully A; Li, Xiangci; Peng
Mapping Molecular Datasets Back to the Brain Regions They are Extracted from: Remembering the Native Countries of Hypothalamic Expatriates and Refugees. See abstract below	Advances in neurobiology. 2018; 21 :101-193	Khan, Arshad M; Grant, Alice H; Martinez, Anais; Burns, Gully A Thatcher, Brendan S; Anekonda Vishwanath T; Thompson, Benja Roberts, Zachary S; Moralejo, D Blevins, James E

Article 1 abstract We investigate the application of deep learning to biocuration tasks that involve classification of text associated with biomedical evidence in primary research articles. We developed a large-scale corpus of molecular papers derived from PubMed and PubMed Central open access records and used it to train deep learning word embeddings under the GloVe, FastText and ELMo algorithms. We applied those models to a distant supervised method classification task based on text from figure captions or fragments surrounding references to figures in the main text using a variety or models and parameterizations. We were able to obtain triage performance with an accuracy of 0.82 using a combined convolutional neural network, bi-directional long short-term memory architecture augmented by attention to produce a single decision for triage. In this work, we hope to encourage biocuration systems developers to apply deep learning methods to their specialized tasks by repurposing large-scale word embedding to apply to their data.

Article 2 abstract This article focuses on approaches to link transcriptomic, proteomic, and peptidomic datasets mined from brain tissue to the original locations within the brain that they are derived from using digital atlas mapping techniques. We use, as an example, the transcriptomic, proteomic and peptidomic analyses conducted in the mammalian hypothalamus. Following a brief historical overview, we highlight studies that have mined biochemical and molecular information from the hypothalamus and then lay out a strategy for how these data can be linked spatially to the mapped locations in a canonical brain atlas where the data come from, thereby allowing researchers to integrate these data with other datasets across multiple scales. A key methodology that enables atlas-based mapping of extracted datasets-laser-capture microdissection-is discussed in detail, with a view

Trained a generation

I can tell you how many full time pre/postdoc slots we support per year in this 5-year round (200), but I don't have up to date numbers for trainees supported in the past. We did have a contractor do some analysis of 1991-2005 and some of those numbers are below. We don't track the careers of trainees, though programs include lists in their applications of who graduated. But QVR doesn't have full applications before 2010, so we can't see the tables that list graduates for those years.

From the late 1970s through 2008, NLM provided support for the graduate training of more than 1000 people. Since then, we have supported between 200 and 250 per year. Data in a study covering 1991-2005 indicated that about 39% of NLM trainees went into academic settings, 21% to business/industry including those who start businesses; 16% to health care settings, 2% to government and 15% to additional graduate training; the remaining 6% were not reported. The number of trainees going to industry has increased, and in some programs is as high as 50%.

These examples of jobs are non academic: For example, Eric Horvitz (BOR member) is head of Microsoft's AI group); Jessica Tennenbaum is chief data officer for the North Carolina Department of Health and Human Services, Neil Sarkar, is interim President and CEO of the Rhode Island Quality Institute; I believe that AMIA Pres Douglas Fridsma is a former NLM trainee but can't find a bio to back it up. Some other job titles of former NLM trainees: CMIO, Director of Clinical Informatics; Staff Scientist, CEO, Software Developer. Companies that hired NLM trainees include Google, Oracle, Axolotl, ION Geophysical, Pfizer, Protabit LLC and EPIC.

NCBI

Notably, a major breakthrough in gene editing technology, CRISPR-Cas, rests solidly on the work on bacterial evolutionary genomics by NLM researchers. NLM's collaborative work has resulted in the classification of CRISPR-Cas systems that have been adopted as gene editing and nucleic acid detection tools routinely used by CRISPR researchers and other microbiologists worldwide, which have led to an additional function of certain varieties of CRISPR-Cas, namely, RNA-mediated transposition. This novel function is expected to have major applications in biotechnology the development of cancer diagnostics and therapy.

- Applied computational approaches to basic biology which include: the identification of new proteins that can be employed as enhanced tools for Cas gene editing; understanding the functions and evolution of novel CRISPR-Cas variants and other antivirus defense systems in microbes; mining metagenomic data to discover novel viruses including those that dominate the human gut microbiome; comparative genomic approaches to predict novel antibiotics and antibiotic resistance mechanisms; data integration methods to study mutations in cancer-driving genes and gene networks; and identification of new cancer drivers.

(FOR SOME REASON I CANNOT INSERT COMMENTS — THROUGH OUT THIS SECTION, TRY TO LEAD WITH THE NLM ADVANCE, NOT THE CLINCIAL CHALLENGE)

STRIDES empowers the biomedical research community by facilitating **rapid access to large studies with no required download**. As part of this initiative, vast depths (petabytes) of National Heart, Lung and Blood Institute (NHLBI) TopMed data, which is managed and funded by the University of Michigan, as well as Common Fund Kids First data managed and funded by Children's Hospital of Philadelphia, will soon be linked to SRA for new discovery. This is accomplished without incurring taxpayer burden to create a second copy. Investigators with dbGaP controlled human data access approvals can read and compute on these data without delay.

For the first time, bioinformaticians and medical researchers can compute comprehensively across the cloud. This is extremely significant as major scientific work is done through exploring sequence data itself in fast, meaningful ways to answer questions like, "Has anyone else seen a protein like this before? Where else has a piece of sequence like this been collected? Is anything known about the function of a piece of sequence like this?" NCBI is working with the community to better understand the possibilities now that anyone can now compute across the entire five petabyte corpus at will, with their own ideas and tools. In early 2019, one NCBI engagement allowed a small group of scientists to take metagenomic pre-compute and analysis of viral genomes and establish a new framework to identify novel viruses in ecological samples.

Integrated Identity and Access Management through centralized services can provide investigator data access approvals in a standard and secure framework across all NIH Institutes, Centers and Offices. Faster software development of new analysis tools and platforms becomes possible through industry standard authorization protocols as user authorization and authentication services become a standard plug-in to new user interfaces.

LHC

NLM helps develop AI for Cervical Cancer Diagnostics: Cervical cancer is a leading cause of cancer mortality in low-resource settings, despite advanced understanding of its etiology and effective prevention methods. To date, human papillomavirus (HPV) vaccination and cervical screening programs are lacking in most low- and medium-income countries, which account annually for >80% of 500,000+ cancer cases. US has over 4000 cases annually mostly impacting African American women and those with poor access to healthcare.

International health authorities continue to recommend visual inspection with acetic acid (VIA) for affordable screening, but this method has been shown to be unacceptably inaccurate in identifying precancerous lesions that can be treated to prevent cancer.

In a collaboration with the National Cancer Institute (NCI) and other external collaborators (Bill Gates' Intellectual Ventures Labs, WHO/UNITAID), we have created, evaluated, and validated an AI algorithm

automated visual evaluation (AVE) algorithm for reliably screening photographic images of the uterine cervix acquired using a standard smartphone. The AI outperformed standard screening tests (clinician interpretation of the same cervical images, Pap smears, and even HPV testing) in predicting cumulative risk of precancer/cancer in the critical age group of women 25-49 years of age.

We continue to improve the algorithm with images from various ethnicities and treatment clinics from different parts of the world. Over 7 countries have expressed an interest in working with us and appropriate patient privacy protection mechanisms are currently being ironed out. We expect to receive several thousand images which will help in further improving the AI and making it reliable for the variety in disease expression.

Other than cervical images, we are also devoting efforts to AI interpretation of Pap smear images and tissue biopsy images. We are also working with the American Society for Colposcopy and Cervical Pathology on a web site for training and testing the American colposcopists (diagnosing and treating anogenital diseases).

Smartphone based image analysis for malaria diagnosis: Malaria is a major burden on global health with about 200 million cases worldwide, claiming the lives of nearly half a million individuals each year. Inadequate diagnostics is a major barrier to effective management of cases and elimination of the disease. The current gold standard method for malaria diagnosis is light microscopy of blood films. About 170 million blood films are examined every year for malaria, which involves manually identifying and counting parasites. However, microscopic diagnostics are not standardized and depend heavily on the experience and skill of the microscopist, many of whom work in isolation, with no rigorous system in place for maintenance of their skills. For false negative cases this leads to incorrect diagnosis with unnecessary use of antibiotics, a second consultation, lost days of work, and in some cases progression into severe malaria. For false positive cases, this results in unnecessary use of antimalarial drugs and side effects.

To improve malaria diagnostics, the Lister Hill National Center for Biomedical Communications, an R&D division of the U.S. National Library of Medicine at NIH, and Mahidol-Oxford Tropical Medicine Research Unit, University of Oxford, in Bangkok, Thailand, are developing a fully automated low-cost system that uses a mobile phone attached to a microscope for parasite detection and counting on blood films. Compared to manual counting, automatic parasite counting is more reliable and standardized, reduces the workload of the malaria field workers and reduces diagnostic costs. To count parasites automatically, the system uses image processing methods to find cells infected with parasites in digitized images of blood films captured by the smartphone camera. The system is first trained on manually annotated images and the trained machine learning models then discriminate between infected and uninfected cells and perform the counting. The system uses a regular smartphone and digital images acquired on standard light microscopy equipment making it ideal for resource-poor settings.

OET

The National Library of Medicine (NLM) has engaged with public libraries to promote health literacy, digital literacy, and increase competency with consumer health information within the public library workforce. Through NLM's National Network of Libraries of Medicine (NNLM) strategic partnerships

have been formed with public library associations and libraries across the country, as well as library workers. The partnerships form the backbone of ongoing activities providing education resources, training, off-the-shelf programming, seed funding, communications, and impact evaluation tools that public libraries can use to provide access to NLM's trusted, high-quality health information resources and contribute to improving the health of their communities. NNLM's founding members were health sciences, hospital, and academic libraries. The expanded focus on public libraries enables NLM to reach users were they search for health information (37% public library computer users seek health and wellness information*).

In FY19, NNLM funded over 130 projects with public libraries, resulting in over 1,400 activities reaching over 13,180 people across 45 states. The projects ranged from funding library tricycles at Miami-Dade public, to partnering health sciences libraries with public libraries to provide health information training for front-line public library staff in the southwest, to developing Prescription Drug Take-Back Day program kits for public libraries in the northwest, to hosting Citizen Science Game Day activities partnering with EyesonALZ, to hosting community conversations on mental health at Sharon Public Library. In FY19, over 100 library staff have received the MLA consumer health information specialization credential through NNLM training and support.

* [1] http://impact.ischool.washington.edu/documents/OPP4ALL_FinalReport.pdf

******additional examples*****

Specific examples of NNLM work in public libraries include the following:

- *Libraries Transform* Health Literacy Toolkit is a partnership between NNLM and the American Library Association (ALA) and helps library professionals raise awareness of how libraries provide trusted health information to their communities. The key message statements highlight how libraries transform communities. There are 17 messages total, with another set scheduled to be released in October 2019 for Health Literacy month. For the Health Literacy Toolkit, *Libraries Transform…*
    - Because libraries are partners in a healthy community.
    - Because clinical trials get results.
    - Because quality information helps you make better decisions.

- Consumer Health Information Specialization (CHIS) is a partnership with NNLM and the Medical Library Association (MLA) to equip public library staff with the skills and knowledge to become a confident, expert providers of health information in their communities. Over the past 3 years, more than 450 library staff at public libraries have participated in the CHIS program and most have received CHIS Level I or CHIS Level II certification.

- Collaborative Summer Learning Program (CSLP) health programming is a partnership between NNLM and the CSLP to bring health programming ideas to 16,000 public library locations for annual summer learning activities. During the summer of 2019, the CSLP featured the theme *A Universe of Stories* in celebration of the 50th anniversary of the first moon landing. NNLM funded activities included the Library Moon Walk sponsored by the Mohawk Valley, Southern Adirondack, and Upper Hudson Library Systems in Upstate New York. A walk from Upstate New York to the moon is approximately 238,900 miles. Libraries across ten Upstate New York

counties offered activities to get their patrons moving, dancing, and learning about health while working toward the community goal of walking far enough to reach the moon.

- Project Outcome is a partnership between NNLM and the Public Library Association (PLA) that developed a toolkit for public libraries to measure the community impact of public libraries' consumer health programming and services. The toolkit allows libraries to better understand how their resources and programs are being used and the impact as well as better determine what they can do to improve. Since the launch of the survey in May 2019, approximately 78 libraries have used the resource to evaluate their health programming.

- Citizen Science Day, an initiative supported by NNLM and lead by SciStarter and Arizona State University, supports citizen science activities each year in April (#citsciday). In 2019, public libraries in Arizona were funded to sponsor activities that encouraged communities to raise awareness about and engage in citizen science events, and in public libraries in Los Angeles, California public libraries participated in a megathon citizen science event that featured Stall Catchers, a game-based activity that helped Cornell scientists contribute to Alzheimer's disease discovery. Participation in the events contributed 2,566 research hours and analyzed 116,955 videos of stalls.

BRAIN Topics

Data Sharing

- Data should be made as widely and freely available as possible while safeguarding the privacy of participants and protecting confidential and proprietary data
- Sharing scientific data and results enables researchers to:
  - vigorously test validity of research findings
  - strengthen analyses by combining data sets, access hard-to-generate data
  - inform future research pathways
  - increase the return on investment of scientific research funding
  - accelerate translation of research results
- Committed to making NIH results available
  - NIH Data Sharing Policy (2003), BD2K Initiative (2013), GDS Policy (2014), AoU Research Program (2015), Cancer Moonshot (2016), Clinical Trials Final Rule and NIH Policy (2016)
  - NIH participates in NSTC Committee on Science, Subcommittee on Open Science
  - Maintains NIH stewardship over taxpayer funds
  - 21st CC contains provisions authorizing NIH Director to require awardees to share data generated from NIH-funded research
- Draft data management and sharing policy RFI on proposed policy provisions released Oct. 2018

Data Science Initiatives

- Committed to advancing data science infrastructure, analytics, research, workforce dev
- New office – ODDS: coordinates data science activities across NIH, including implementing strategic plan for data science with Scientific Data Council
    - Recruiting Chief Data Strategist to lead
- Science and Technology Research Infrastructure for Discovery, Experimentation, and Sustainability (STRIDES) Initiative – partnerships w/ commercial cloud providers to reduce barriers to access, compute – cross-NIH opportunity for participation
- New Models of Data Stewardship: improving data ecosystem and making data FAIR (findable, accessible, interoperable, reusable) – findings to be applied to datasets and systems across NIH
- ADD pilot project with Figshare to test viability of a general data sharing platform
- ADD NLM improved ability to attach datasets to articles in PubMed Central
- NIH issued a Guide Notice and Notice of Special Interest to the SBIR/STTR communities to encourage the use of the Fast Healthcare Interoperability Resource (FHIR) standard in research.
- ACD WG on AI – what bold, lasting contributions can NIH make to advance AI use in biomedicine, clinical research?

Public Access to Scientific Publications

- NIH continues to lead interagency discussions about ways to improve implementation of public access policies across Federal research funders
- 2018: NIH leadership met with authors of Plan S, an open-access science publishing initiative in Europe
- 2017: implementing the delayed renewal policy improved compliance to 88% from 75% (in 2012).
- 2013: NIH began withholding funding for non-competing continuation awards for non-compliance
- 2008: Statute mandated a policy requiring publications resulting from NIH funding be made public on PubMed Central (PMC).
- Annual renewals can be delayed until publications arising from prior award segments comply with the public access policy and are properly reported on the RPPR.
- NIH collaborates with AHRQ, CDC, FDA, OS/ASPR, ACL, DHS, EPA, NASA, NIST, and VA to implement their public access policies with PMC.
- PMC:
    - PPP that supports the public access policies for Gates Foundation and HHMI in addition to NIH
    - signed agreements with over 6,500 journals to post content

Comment [PD([]: Please update, if necessary.

Comment [PD([]: Please add these updates.

Comment [PD([]: Suggest deleting

Comment [PD([]: Please add.

Clinical Trials Stewardship and Reform

Committed to responsible stewardship, accountability, oversight, transparency of CTs

- $4B/year on CTs (11% of budget)
- ½ of NIH-funded CTs did not publish main results

Actions Following FY18 Omnibus (required delay enforcing new policy for basic res.)

- Launched new human subjects' reporting system reducing awardee admin burden
  - RFI on how best to accommodate reporting for BESH studies (Report expected 02/19)
- Released BESH FOAs
- Postponed enforcing policy on disseminating NIH-Funded CT information for BESH studies
- Improving CT.gov usability

Selected Policies

- ADD – more recent Notice extending BESH grace period for another 2 years while NIH continues to engage w/ the community to understand challenges and develop solutions.
- 2018: BESH FOAs published (01/19 deadlines), SIRB policy, Human Subjects and CT information forms
- 2017: CT specific FOAs issued (01/18 deadlines), GCP, Final Rule, timely CT registration, reporting

Comment [PD([]: Please double-check this number. It may be closer to 1/3.

Comment [PD([]: Please add updated information on the Notice

From: Middleton, Grace (NIH/NLM) [C]
Sent: 19 Sep 2019 15:10:31 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: Follow-up questions about TOXNET page messaging

Please see Colette's concerns with the edits you provided for the Technical Bulletin. Thoughts on a response?

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Thursday, September 19, 2019 10:39 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: Follow-up questions about TOXNET page messaging

Hi, Grace,

Thanks for reviewing the TB article.

We have two concerns, as follows:

- Use of the term 'website': "…the National Library of Medicine (NLM) TOXNET …website will be retired. …." We are concerned that this term may be misleading, as TOXNET is a group of databases with a web interface, not really a website.

- The description of PM Bookshelf:

    - PubChem, an open chemistry database
    - PubMed, a resource …
    - and Bookshelf, a free online access to books and documents in life science and healthcare

    The phrase *"a free online access"* here does not seem quite right. We prefer the wording PubChem itself uses: "Bookshelf provides free online access to books and documents in life science and healthcare. Search, read, and discover."

Please let us know what you think.

C

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Wednesday, September 18, 2019 2:47 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Robison, Rex (NIH/NLM) [E] <rex.robison@nih.gov>; Hale, David (NIH/NLM) [E] <davehale@mail.nih.gov>
Subject: RE: TOXNET page messaging

Colette,

Thank you for sharing the draft content for the TB regarding the sunsetting of the TOXNET website. Jody and I have reviewed the message and made a few edits, included below. Please let me know if you have any questions or need additional support.

Kindly,
Grace

TOXNET Website to be Retired, Most Content Will Remain Available

TOXNET Website to be Retired, Most Content Will Remain Available. NLM Tech Bull. 2019 Sep-Oct;(430):e1.

2019 September 09 [posted]

On December 16, 2019, the National Library of Medicine (NLM) TOXNET (TOXicology Data NETwork) website will be retired. Most content will remain available through other NLM databases and from external websites.

TOXNET has served as an integrated system of toxicology and environmental health information. The most frequently used databases are being incorporated into three NLM core resources: PubChem, an open chemistry database; PubMed, a resource for biomedical literature; and Bookshelf, a free online access to books and documents in life science and healthcare.

Several resources in TOXNET came from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired.

The TOXNET transition page provides a list of its databases and how to access their content. Please check that page and the *NLM Technical Bulletin* for updates.

If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/.

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Tuesday, September 17, 2019 1:29 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Robison, Rex (NIH/NLM) [E] <rex.robison@nih.gov>; Hale, David (NIH/NLM) [E] <davehale@mail.nih.gov>
Subject: RE: TOXNET page messaging

Hi, again, Grace,

Please take a look at the associated *Technical Bulletin* draft as well.
https://teamsite.nlm.nih.gov:81/iw-mount/default/main/nlm/WORKAREA/common/htdocs/pubs/techbull/so19/so19_toxnet_discontinued.html

Thanks for your time.

C

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Monday, September 16, 2019 3:19 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: TOXNET page messaging

Colette,

Thank you for sharing the plan and language with me. I made the changes directly in the email below, in order to make it more direct and succinct for the user. Can you please incorporate my edits and share the pages in test before they publish? That will allow us to see how they look before the news goes public. One last review always helps.

Regards,
Grace M. Middleton, PMP [C]

Communications Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Office: 301-827-6719 Mobile: 301-237-9476
Grace.Middleton@nih.gov

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Monday, September 16, 2019 11:53 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: FW: TOXNET page messaging

Hi, Grace,

I should be able to coordinate changes to the SIS home page.

The Sunsetting Team met this morning and want to suggest the following changes to that messaging:

"As the National Library of Medicine (NLM) implements its Strategic Plan, 2017-2027, it is making organizational changes that included the closure of the Specialized Information Services (SIS) division on June 30, 2019. The transition of some SIS programs into other parts of NLM**, including the Toxicology Data Network (TOXNET) (link to the TB article about this**), serves to not only improve discoverability of and access to SIS resources by NLM's broad set of users, but also enables NLM to leverage its talents and resources to improve overall efficiency and effectiveness.

Over the next few months, some SIS resources and programs will transition to other parts of NLM, be integrated into other NLM resources, made accessible on partner sites, or discontinued. **TOXNET is moving, most of its content will continue to be collected and reviewed; selected information is accessible through PubChem, PubMed, and Bookshelf. (Link to https://www.nlm.nih.gov/toxnet/index.html and later to the final TOXNET Transition Page).**

Questions about this transition and individual resources may be directed to custserv@nlm.nih.gov or 1-888-346-3656."

We will post the above once https://www.nlm.nih.gov/toxnet/index.html is finalized (expected to be later this week), at which time we will also post messaging on various TOXNET home pages. ("On December,16, 2019, National Library of Medicine (NLM) TOXNET information will be migrated to PubChem, PubMed, and Bookshelf. Please

see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/")

Let me know if you have any questions.

Colette

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Thursday, September 12, 2019 3:06 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: TOXNET page messaging

Thank you, Collette.

In coordination with these changes, the SIS Homepage needs to be updated to reflect the changes being made. Are you able to make those edits?

Regards,
Grace M. Middleton, PMP [C]
Communications Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Office: 301-827-6719 Mobile: Personal Info
Grace.Middleton@nih.gov

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Thursday, September 12, 2019 12:23 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: TOXNET page messaging

Hi, Grace,

As you know, many of the TOXNET offerings formerly supported in SIS will be migrated to other NLM resources or sunsetted by December of this year. We are currently working on placing informational banners on many of the sites' pages to alert users of this timeline.

Although you approved related sunsetting documents in July (https://sunsetting.nlm.nih.gov/request_details/261/) we want to remind you that we will be using the following wording for our alerts:

For TOXNET home, HSDB, TOXLINE, LactMed, DART, TRI, IRIS, ITER, CTD, CCRIS, CPDB, GENE-TOX:

"On December,16, 2019, National Library of Medicine (NLM) TOXNET information will be migrated to PubChem, PubMed, and Bookshelf. Please see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/"

For ChemIDplus, HazMap, Household Products Database, LiverTox, AltBib and several others *not immediately* affected:

"National Library of Medicine (NLM) TOXNET information is being migrated to PubChem, PubMed, and Bookshelf. Please see the TOXNET Transition page for more information. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/"

We hope to place this information on relevant pages early next week.

Please let us know if you have any comments or concerns.

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Carolyn Kurowski
Sent: 23 Sep 2019 20:32:11 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Dominique Rothrock;Wilson, Amanda (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Lockett-Jordan, Deborah (NIH/NLM) [E];Reynolds, Bryanne (NIH/NLM) [C]
Subject: RE: Steering Group

Good afternoon everyone,

Here are the notes from the meeting this morning. The key point for next week is the intention o use that meeting as a working meeting to discuss budget planning for the old SIS projects and activities.

Thank you,

Steering Group meeting

9/23/2019

Agenda

1. Messaging for NNLM partners about sunsetting projects or transitioning projects

   Many of them are planning training and outreach activities on products that are being sunset. If there is something general we can say to guide them in their planning?

   Hard to send a specific list of what products are being sunset since the plans differ by product.

   Amanda noted that the ToxNet process has worked well, we should replicate that.

   Carolyn asked if there is a list of classes being taught, so the group could provide guidance on which class to teach (affirmative) versus which classes they should not teach. Amanda will look into this, but thinks it will be challenging.

   Question for Jodi is there an interim message that be sent beyond Toxicology? Amanda will follow up directly.

   Ideally we would like to let them know, the list of offerings, timeline for the changes, and how they can help.
   Suggestion, use one meeting per month to review the product spreadsheet so everyone is aware of status. (Carolyn to propose using the meeting on the October 7th to review the list)

2. Check in on SIS product plans; progress made, open questions, resource or assistance need to move those plans forward

Amanda confirmed that K-12 pages being addressed by OET and are in the sunsetting process
David and Jeanne will be meeting meeting OCCS/LO staff update on Toxnet and plns for changes, they will also mention to the staff in the meeting that there is a Sunset team and there could be other requests

- Rex will be heading up an effort to look at ChemID and HSDB (working with OCCS to determine what it will take to bring it up to an acceptable level? What is the cost and time to migrate to a more modern system? What is the investment?)

Proposal: Use next Monday as a FY20 budget meeting to address SIS products, projects and other areas. Proposed attendees (Debbie, Stacey, Jeanne, David, Amanda, Dianne, Wei, Bryant, Nicole).

- What funds are needed?
- Who should put in for the funds?
- Travel?
- Information about DCCs and IAAs (check the existing list – next POP dates; dollars, targeted sunset dates) –

Debbie will look to update and send the summary file in advance of the meeting

Carolyn Kurowski
Managing Partner
FMP Consulting
2900 South Quincy Street, Suite 200, Arlington, VA 22206
T (703) 671-6600, ext. 104 | C Personal Info | F (703) 671-6924
ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

-----Original Appointment-----
From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Wednesday, September 11, 2019 12:48 PM
To: Backus, Joyce (NIH/NLM) [E]; Babski, Dianne (NIH/NLM) [E]; Nurik, Jody (NIH/NLM) [E]; Scott, Nicole (NIH/NLM) [E]; Arnesen, Stacey (NIH/NLM) [E]; Gillikin, David (NIH/NLM) [E]; Wilson, Amanda (NIH/NLM) [E]; Goshorn, Jeanne (NIH/NLM) [E]; Lockett-Jordan, Deborah (NIH/NLM) [E]; Reynolds, Bryanne (NIH/NLM) [C]; Carolyn Kurowski
Subject: Steering Group
When: Monday, September 23, 2019 8:45 AM-9:30 AM (UTC-05:00) Eastern Time (US & Canada).
Where: NLM Conf Rm B on Mezzanine

[EXTERNAL]
Hi everyone,

As we continue to move the SIS Product integration work forward, we would like to hold a few additional group meetings to determine if the current plans are moving forward effectively where we may need decisions or additional coordination. Agenda's and meeting materials will be sent out by Carolyn and the team in advance of the Monday meeting so you have time to consider and respond to any questions or topics that will be discussed.

Thank you,

Joyce

Steering Group

Every Monday, from Monday, September 16, 2019, to Monday, September 23, 2019
8:45 am | Eastern Daylight Time (New York, GMT-04:00) | 45 mins
Meeting number (access code): Passcode
Host key: Passcode
Meeting password: cJ4Vt6tx

Start Meeting

Join from a video system or application

Dial Passcode@nih.webex.com
You can also dial 173.243.2.68 and enter your meeting number.

Join by phone

Tap to call in from a mobile device (attendees only)
1-650-479-3208 Call-in toll number (US/Canada)

Join using Microsoft Lync or Microsoft Skype for Business

Dial Passcodenih@lync.webex.com

Need help? Go to http://collaborationhelp.cisco.com.

IMPORTANT NOTICE: Please note that this Webex service allows audio and other information sent during the session to be recorded, which may be discoverable in a legal matter. You should inform all meeting attendees prior to recording if you intend to record the meeting.

From: Nurik, Jody (NIH/NLM) [E]
Sent: 24 Sep 2019 12:51:08 +0000
To: Middleton, Grace (NIH/NLM) [C]
Subject: RE: Steering Group

Okey dokey.

Jody

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Tuesday, September 24, 2019 8:39 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Steering Group

Okay, I will have to think about this…

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, September 24, 2019 8:38 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: FW: Steering Group

Good morning,

Can you take a look at the highlight below so we have a response for Amanda when she reaches out?

Thanks,
Jody

From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Sent: Monday, September 23, 2019 4:32 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Dominique Rothrock <drothrock@fmpconsulting.com>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>
Subject: RE: Steering Group

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Follow FMP: Website | Twitter | LinkedIn | Facebook

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Sent: Wednesday, September 11, 2019 12:48 PM
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Thank you,

Joyce

Steering Group

Every Monday, from Monday, September 16, 2019, to Monday, September 23, 2019
8:45 am | Eastern Daylight Time (New York, GMT-04:00) | 45 mins
Meeting number (access code): Passcode
Host key: Passcode
Meeting password: cJ4Vt6tx

From: Samsel, Leigh (NIH/NLM) [E]
Sent: 24 Sep 2019 12:52:56 +0000
To: Huerta, Mike (NIH/NLM) [E]
Subject: NPATT - I forgot to go over EP with you yesterday
Attachments: NPA Phase 1 Data Collection 2019_EP RESPONSE.xlsx

Hi Mike,

I forgot to pull up EP's submission yesterday. They turned it was first and had no issues, so I completely forgot about it. It's attached in case you want to take a look, but I verified that all of the info we went over together yesterday is complete and I will send along to Wei.

Thanks,
Leigh

Leigh Samsel, M.S.
Planning and Evaluation Officer
Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

Leigh.samsel@nih.gov
301-451-0162

U.S. National Library of Medicine

2019 NLM Portfolio Analysis Initiative

	ormation To Be Submitted
	fering Ba
	stomers
Data Resources	Data Resou
Technical Resources	Technical R si
Business Resources	Business Re Responsible
External Resources	External Resource Name, its scope within NLM, and NLM Organization Responsible
2017 Strategic Initiatives	Offerings that can be associated with 2017 Strategic Initiatives
Strategic	

Initiative Overview

NLM has invested in the NLM Portfolio Analysis (NPA) initiative to inventory NLM Offerings (i.e., products, services, applications) that are provided to user constituencies. Data gathered during the inventory will be used to group Offerings into a logical structure that creates a holistic, organized picture of NLM's portfolio.

Workbook Purpose

The purpose of this workbook is to capture information about NLM Offerings in a standardized manner to generate the NLM portfolio inventory. This workbook is intended to be completed by Offering Owners. The Offering Owner is the primary point of contact for an offering, the person with hands-on expertise in what it does, who it reaches, and how it works. NPATT Representatives, NLM Division managers with Offering oversight responsibilities and participating on the NLM Portfolio Analysis Tool Team, should review all the information prior to submission to ensure accuracy and completeness.

Workbook Instructions

This workbook includes two (2) worksheets containing Instructions and a Glossary, and nine (9) worksheets to be completed by Offering Owners, as listed in the table below. For information and assistance in completing this workbook, contact your NPATT Representative.

For definitions of key terms used in this workbook, consult the Glossary.

The deadline for submission to the NPATT is **Wednesday, September 4, 2019, at 3:00 PM**.

Questions and completed submissions should be discussed with your NPATT Representative. If you are not sure on any request for information, consult with your NPATT Representative to obtain clarification.

The following individuals are NPATT Representatives by NLM Division:

- **Library Operations (LO):** Dianne Babski, Ken Koyle, Alla Keselman
- **Lister Hill Center for Biomedical Communication (LHC):** Olivier Bodenreider
- **National Center for Biotechnology Information (NCBI):** Anatoly Mnev, Kim Pruitt
- **Office of Computer and Communications Systems (OCCS):** Wei Ma, Philip Chuang, Rex Shuler
- **Office of Communications and Public Liaison (OCPL):** Jody Nurik, Alise Crutchman, Lisa Federer, Allison Fisher
- **Office of the Director (OD):** Eddie Rivera
- **Office of Strategic Initiatives (OSI):** Mike Huerta, Leigh Samsel, Sara Tam, Constance Young
- **Office of Extramural Programs (EP):** Samantha Tempchin

Phase 1 Data Call GLOSSARY

2019 NLM Portfolio Analysis Initiative

It	Definition
C	
C	
	Customer segmentation based on user behavior.
Customer Type	A **primary customer** is the intended target audience for an **NLM Offering** based on mission alignment, policy, or law.
	An **"other" customer** is the additional audiences who are using the NLM Offering.
NLM Offering	An external-facing (non-NLM) NLM product, service, and/or research program offered to satisfy a want or need of an existing or target user constituency.
Offering Description	A brief description of the product/service provided to **Customers**.
Offering Name	The full name of the **Offering** without information truncated by acronyms.
Offering Name (Short)	"Brand name," the name used to take the **Offering** to market. If no **Offering Name (Short)**, use **Offering Name**.
Offering Sponsor Name	Refers to the person (usually a senior leader affiliated with the **NLM Offering's** organizational owner) who allocates fiscal resources to support an **Offering** and sets it in the NLM strategic context.
Offering Owner Name	Refers to the primary point of contact for an **NLM Offering,** the person with hands-on expertise in what it does, who it reaches, and how it works. The Offering Owner is involved with the **Offering** at the tactical/operational level where the decisions about managing and maintaining the **Offering** are made.
NLM Organization	The group of persons organized within NLM with responsibility to deliver a specific **NLM Offering**.
NLM Strategic Plan 2017	NLM planning document outlining the organization's vision, goals, objectives, and initiatives for the period 2017-2027.
NLM Strategic Plan 2017 Goal	The identifier and descriptive name (*e.g.*, Goal 1 - Accelerate discovery and advance health through data-driven research) of one of the three strategic goals of the **NLM Strategic Plan 2017-2027**. The Goal Name is listed in the ESM Software Suite.
NLM Strategic Plan 2017 Objective	The identifier and descriptive name (*e.g.*, 1.1 - Connect the resources of a digital research enterprise) of one of the 12 objectives under one of the three goals of the **NLM Strategic Plan 2017-2027**. The Objective Name is listed in the ESM Software Suite.
NLM Strategic Plan 2017 Initiative	The identifier and descriptive name (*e.g.*, 1.1a - Assessment of MeSH and Auto-Indexing) of an activity which is being conducted to implement the **NLM Strategic Plan 2017-2027**. The Initiative Name is listed in the ESM Software Suite.
NLM Strategic Project	The name of an activity that is being conducted to implement the NLM Strategic Plan 2017-2027. The Strategic Project name is **not** listed in the ESM Software Suite.
Primary Legislative Authorization/Mandate	A command or authorization for NLM to act in a particular way, such as to deliver certain **Offerings** (*i.e.*, products and services).
	The primary source of NLM's mandate or requirement to provide a specific **Offering**.
	Authorization by Federal Statute is legislation that permits a Federal agency to engage in an activity (*e.g.*, establish an organizational unit and provide a program or service) but does not necessarily provide information on how the agency is to implement the authority.

Primary Legislative Authorization/Mandate Type	**Active Interagency Agreement**: in addition to the regulations affecting NLM/NIH directly, other regulations may affect NLM indirectly when NLM partners with other agencies or collaborators via Interagency Agreement (IAA), Memorandum of Understanding (MOU), or informal collaboration agreement.
	Executive Order, Memorandum, or Departmental (or Agency/NLM) Policy, Plan, or Guidance: published by the White House, a Federal agency (*e.g.*, NIH), or department (*e.g.*, HHS) -- could express "expectations" or actually mandate "requirements" from Federal statutes, provide detailed information on the implementation of policy, and could either address direct agency action or "customer" (*e.g.*, grantees) behavior.
	A **Mandate by Federal Statute** is legislation that requires a Federal agency to engage in an activity.
Mandate Reference	The primary reference citation for the authorizing source legislation, policy, or regulation obligating NLM to provide resources and support for an **Offering** or group of **Offerings**.
Resource	A productive factor (*i.e.*, input) required to deliver an **NLM Offering** to its **Customers**.
Resource Name	Short name for the **Resource** that contributes to the delivery of an **Offering**.
Resource Type	The kind of **Resource** that contributes to the delivery of an **Offering**.
	Business: Person or people who perform manual processes that are required to deliver an Offering. Business Resources are often used in combination with **Technical** and **Data Resources** and either indirectly or directly support **Offerings**. Examples include management, outreach, training, customer service, and marketing. In addition, **Business Resources** also includes research that results in new approaches or scientific methods. However, **Business Resources** exclude research that results in a data asset. Other exclusions are software, hardware, or technical components, and development or curation activities to produce data assets. Business activities that build/update technologies fall under the **Technical Resource**; business activities that contribute directly to the creation of a **Data Resource** fall under **Data Resources**.
	Data: The data asset (*i.e.*, data set) and the person or people who produce, maintain, curate, and/or divest of data assets. **Offerings** often leverage **Data Resources**, and a **Data Resource** may also be provided as an **Offering**. Processes included within **Data Resource** include production, curation, quality assurance, and content development.
	External: A critical input to an **NLM Offering** that is obtained from a provider(s) external to NLM without cost to NLM. Without this contribution, offering delivery would be significantly impacted. **External Resources** are generated by other agencies (e.g., NIH, FDA) or institutions (INSDC) and then used to deliver an **NLM Offering**. External organizations such as contractors are NOT considered external resources; contractors are usually contracted to perform activities supporting business, data, or technical resources.

	Technical: A set of tangible assets supporting the technology needed to deliver an **Offering**. **Technical Resources** include mobile/web/desktop (developed by NLM teams)/cloud/data applications. For costing purposes, **Technical Resources** are supported by the combination of processes and functions of software, hardware, networks, telecommunications and electronics as well as facilities and equipment. Underpinning cost variables include: software development, integration and maintenance; hardware, networking and software procurement, integration, management and maintenance; security and compliance policies enforcement.
Resource Scope	Designation of the span of support associated with the **Resource**.
	NLM-wide: Indicates that the resource is available to and used across the enterprise (*i.e.*, multiple Divisions and Offices).
	Division-Specific: Indicates that the resource is available to, managed by, and used only by one Division for one or more Offerings.
	Offering-Specific: Indicates that the resource is developed for use by only one Offering and managed by the Division that owns the Offering.
	A value of **N/A** is applicable only for external resources.

Offering Basic Information and Mandates

Click on field name to see the definition.
Columns with asterisk (*) are required fields.
Select the most applicable Primary Legislative Authorization/Mandate Type from the dropdown list.
All other fields are free text.
Please limit Offering Description to 250 characters including Offering Name and spelling out acronyms.

Offerings			
Research Grants	Resource Grants	Workforce Development Grants	SBIR/STTR Program
EP	EP	EP	EP
Research Grants	Resource Grants	Workforce Development Grants	SBIR/STTR Program
The NLM Extramural Grant Program provides public funds to researchers and scientists to pursue research in biomedical informatics and data science. Grants are available for fundamental and applied research in biomedical informatics and data science.	Resource grants are designed to improve the dissemination, management and use of biomedical knowledge. Resource grants support the development and deployment of knowledge management tools, resources, and services that address identified, unmet needs for a broad audience.	To assure an adequate national pool of researchers in biomedical informatics and data science, training is offered through formal institutional programs, individual fellowships, and career transition awards to help informatics trainees make the transition to a successful independent research career.	Small Business Innovation Research (SBIR) and Small Business Technology Transfer Research (STTR) grants are made to U.S. small businesses that seek to undertake biomedical informatics or data science research and development leading to commercialization.
Valerie Florance	Valerie Florance	Valerie Florance	Valerie Florance
Hua-Chuan Sim	Hua-Chuan Sim	Hua-Chuan Sim	Hua-Chuan Sim
Authorization by Federal Statute	Authorization by Federal Statute	Authorization by Federal Statute	Mandate by Federal Statute
Sections 301 and 405 of the Public Health Service Act as amended (42 USC 241 and 284) (PHS)	42 USC 286b-2; 42 USC 286b-5; 42 USC 286b-6; 42 USC 286b-7 (MLAA)	42 USC 286b-3 (MLAA), 42 USC 288 (NRSA), 42 USC 241 and 284 (PHS)	Small Business Innovation Development Act of 1982 (P.L. 97-219), reauthorizing legislation (P.L. 99-443) P.L. 102-564, P.L. 112-81 (SBIR/STTR Reauthorization Act of 2011), as reauthorized and extended under P.L. 114-328, Section 1834, and P.L. 115-232

Offering Sponsor Name*

Offering Owner Name*

Primary Legislative Authorization/Mandate Type*

Mandate Reference*

Customers Served by Offering

Click on field name to see the definition. Select Primary, Other from the dropdown list. Select at least one Primary customer. You can have multiple customers as Primary. Leave it BLANK if it is not a customer to your Offering. You may not add a new Customer Name.	Offerings			
	Research Grants	Resource Grants	Workforce Development Grants	SBIR/STTR Program
				Primary
	Primary	Primary	Primary	Other
Educator, college & post-grad	Other			
Educator, K-12				
Emergency preparedness and response				
Federal agencies, departments, etc.				
General public		Other		
Health care provider	Other			
Historian		Other		
International Collaborations				
Journalist	Other	Other		
Library or information professional	Other	Primary		
National Institutes of Health				
Non-governmental organizations				
Public health professional	Other	Other	Other	
Publisher				
Researcher	Primary	Primary	Primary	Primary
Special Populations				
Student, college & post-grad			Primary	
Student, K-12				

Data Resource Name, its scope within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the Data Resource name.
Leave it BLANK if a Data Resource is NOT used by the offering.
You may add new Data Resources at the bottom of this list if your Data Source is not listed.
The Resource Organization must be provided if your new Data Resource's scope is Division-Specific.

				Offerings			
				Research Grants	Resource Grants	Workforce Development Grants	SBIR/STTR Program
Data	Malaria Datasets	Division-Specific	LHC				
Data	Medical Image Database (Armed Forces)	Division-Specific	LHC				
Data	Medpix	Division-Specific	LHC				
Data	Molecular Biopsy of Human Tumors	Division-Specific	LHC				
Data	National Health and Nutrition Examination Survey Database	Division-Specific	LHC				
Data	Newborn Screening Coding and Terminology Guide	Division-Specific	LHC				
Data	RxTerms	Division-Specific	LHC				
Data	Semantic MEDLINE Database	Division-Specific	LHC				
Data	SNOMED CT to ICD Mappings	Division-Specific	LHC				
Data	Specialist Lexicon and Lexical Tools	Division-Specific	LHC				
Data	Tuberculosis Images	Division-Specific	LHC				
Data	UMLS Semantic Network	Division-Specific	LHC				
Data	Visible Human Dataset	Division-Specific	LHC				
Data	ADAM Medical Encyclopedia	Division-Specific	LO				
Data	AIDSInfo	Division-Specific	LO				
Data	AIDSsource	Division-Specific	LO				
Data	AltBib	Division-Specific	LO				
Data	ArchivesSpace	Division-Specific	LO				
Data	CDE Repository	Division-Specific	LO				
Data	Chemical Hazards Emergency Medical Management (CHEMM)	Division-Specific	LO				
Data	ChemIDplus Data Assets	Division-Specific	LO				
Data	Circulating Now	Division-Specific	LO				
Data	Conservation Tracking Data Assets	Division-Specific	LO				
Data	DailyMed Data Assets	Division-Specific	LO				
Data	Data Discovery (from SIS)	Division-Specific	LO				
Data	Dietary Supplement Ingredient Database	Division-Specific	LO				
Data	Dietary Supplement Label Database	Division-Specific	LO				
Data	Digital Collections	Division-Specific	LO				
Data	Disaster Information Management Research Center (DIMRC) website	Division-Specific	LO				
Data	Disaster Lit: Database for Disaster Medicine and Public Health	Division-Specific	LO				
Data	DOCLINE Data Assets	Division-Specific	LO				
Data	Drug Information Portal Data Assets	Division-Specific	LO				
Data	Enviromental Health Student Portal	Division-Specific	LO				
Data	Environmental Health and Toxicology Information	Division-Specific	LO				
Data	FDA NJ	Division-Specific	LO				
Data	GHR	Division-Specific	LO				
Data	Hazardous Substances Data Bank (HSDB)	Division-Specific	LO				
Data	HealthReach	Division-Specific	LO				
Data	HMD Archive-It web archiving	Division-Specific	LO				
Data	HMD Circulating Now Blog	Division-Specific	LO				
Data	HMD Digital Gallery Data Assets	Division-Specific	LO				
Data	HMD Directories (DHMC & FAC)	Division-Specific	LO				
Data	HMD Finding Aids	Division-Specific	LO				
Data	HMD Medicine on Screen	Division-Specific	LO				
Data	HMD Online Exhibitions	Division-Specific	LO				
Data	Household Products Database	Division-Specific	LO				
Data	HSRIC	Division-Specific	LO				
Data	HSRProj	Division-Specific	LO				
Data	HSRR Data Assets	Division-Specific	LO				
Data	IndexCat Data Assets	Division-Specific	LO				
Data	Information Rx Data Assets	Division-Specific	LO				
Data	Integrated Risk Information System (IRIS)	Division-Specific	LO				
Data	International Toxicity Estimates for Risk (ITER)	Division-Specific	LO				
Data	Journal Donation Data Assets	Division-Specific	LO				
Data	LactMed	Division-Specific	LO				
Data	Learning Resources Data Assets	Division-Specific	LO				
Data	Licensed Drug Information	Division-Specific	LO				
Data	LinkOut for Libraries	Division-Specific	LO				
Data	LiverTox Data Assets	Division-Specific	LO				
Data	Loansome Doc Data Assets	Division-Specific	LO				
Data	LocatorPlus Data Assets	Division-Specific	LO				
Data	LOINC	Division-Specific	LO				
Data	Medical test monographs	Division-Specific	LO				
Data	Medicine on Screen	Division-Specific	LO				
Data	MedlinePlus Connect	Division-Specific	LO				
Data	MedlinePlus Data Assets	Division-Specific	LO				
Data	MedlinePlus en Español	Division-Specific	LO				
Data	MeSH Browser Data Assets	Division-Specific	LO				
Data	MeSH On Demand Data Assets	Division-Specific	LO				
Data	MeSH RDF Data Assets	Division-Specific	LO				
Data	MeSH Vocabulary	Division-Specific	LO				
Data	Nature Medicines (supplements)	Division-Specific	LO				
Data	NIH Disaster Research Response Program (DR2)	Division-Specific	LO				
Data	NLM Classification	Division-Specific	LO				
Data	NLM Digital Collections Data Assets	Division-Specific	LO				
Data	NNLM Web Resources	Division-Specific	LO				
Data	OERS - Outreach Evaluation and Reporting System Data Assets	Division-Specific	LO				
Data	Online Exhibitions	Division-Specific	LO				
Data	PHPartners	Division-Specific	LO				
Data	Pillbox	Division-Specific	LO				
Data	Profiles in Science Data Assets	Division-Specific	LO				
Data	Radiation Emergency Medical Management (REMM)	Division-Specific	LO				
Data	RxNorm	Division-Specific	LO				
Data	SFX Data Assets	Division-Specific	LO				
Data	SNOMED	Division-Specific	LO				
Data	Substance Registration System Data Assets	Division-Specific	LO				
Data	Tox Town Data Assets	Division-Specific	LO				
Data	Tox Tutor Data Assets	Division-Specific	LO				

Data	TOXLINE Data Assets	Division-Specific	LO				
Data	ToxMap Data Assets	Division-Specific	LO				
Data	TOXNET Data Assets	Division-Specific	LO				
Data	UMLS	Division-Specific	LO				
Data	UMLS Terminology Services (UTS) Data Assets	Division-Specific	LO				
Data	UTS Annual Report Data Assets	Division-Specific	LO				
Data	Voyager Data Assets	Division-Specific	LO				
Data	VSAC Data Assets	Division-Specific	LO				
Data	VSAC FHIR Data Assets	Division-Specific	LO				
Data	Wireless Information System for Emergency Responders (WISER) Data Assets	Division-Specific	LO				
Data	Antimicrobial Resistance Data Collection	Division-Specific	NCBI				
Data	BioConcepts Data Collection	Division-Specific	NCBI				
Data	BioSystems Data	Division-Specific	NCBI				
Data	Bookshelf Data Collection	Division-Specific	NCBI				
Data	CDD/SPARCLE Data	Division-Specific	NCBI				
Data	ClinicalTrials.gov Dataset	Division-Specific	NCBI				
Data	ClinVar Data Collection	Division-Specific	NCBI				
Data	CloneDB Data Collection	Division-Specific	NCBI				
Data	Contamination Screening Data	Division-Specific	NCBI				
Data	dbGaP Data Collection	Division-Specific	NCBI				
Data	dbSNP Data Collection	Division-Specific	NCBI				
Data	dbVar Data Collection	Division-Specific	NCBI				
Data	GenBank Dataset	Division-Specific	NCBI				
Data	GenColl/Assembly Data	Division-Specific	NCBI				
Data	Gene Data Collection	Division-Specific	NCBI				
Data	Genome Reference Consortium (GRC)	Division-Specific	NCBI				
Data	GEO Dataset	Division-Specific	NCBI				
Data	GIAB and SEQC2	Division-Specific	NCBI				
Data	GTR Data Collection	Division-Specific	NCBI				
Data	Human RefSeq	Division-Specific	NCBI				
Data	MedGen Data Collection	Division-Specific	NCBI				
Data	PubChem Data Collection	Division-Specific	NCBI				
Data	PubMed Central Data Collection	Division-Specific	NCBI				
Data	PubMed Data Collection	Division-Specific	NCBI				
Data	RefSeq	Division-Specific	NCBI				
Data	SRA Dataset	Division-Specific	NCBI				
Data	Structure Data Collection	Division-Specific	NCBI				
Data	Taxonomy Dataset	Division-Specific	NCBI				
Data	NIH MedlinePlus Magazine Data Collection - English	Division-Specific	OCPL				
Data	NIH MedlinePlus Magazine Data Collection- Spanish	Division-Specific	OCPL				
Data	<Add new Data Resource here>						
Data							
Data							
Data

Technical Resource Name, its scope within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the Technical Resource name.
Leave it BLANK if a Technical Resource is NOT used by the offering.
You may NOT add new Technical Resources.

					Offerings			
					Research Grants	Resource Grants	Workforce Development Grants	SBIR/STTR Program
Technical	Clinical Table Search Service	Offering-Specific	LHC	Standards				
Technical	Form Builder	Offering-Specific	LHC	Standards				
Technical	LHC-Forms	Offering-Specific	LHC	Standards				
Technical	NLM Personal Health Record	Offering-Specific	LHC	Standards				
Technical	PhysioNet	Offering-Specific	LHC	Standards				
Technical	Unified Code for Units of Measure (UCUM)	Offering-Specific	LHC	Standards				
Technical	CEB Histopathology Image Assistant	Offering-Specific	LHC	Image processing				
Technical	Brat Annotation Tool	Division-Specific	LHC	Text processing				
Technical	Medical Text Indexer (MTI)	NLM-Wide	LHC	Literature				
Technical	MEDLINE/PubMed Baseline Repository (MBR)	Offering-Specific	LHC	Literature				
Technical	Indexing Initiative Web API	NLM-Wide	LHC	Literature				
Technical	Indexing Initiative	NLM-Wide	LHC	Literature				
Technical	Structured Abstract	NLM-Wide	LHC	Literature				
Technical	Indexing Initiative, Word Sense Disambiguation (WSD) Test Collections	NLM-Wide	LHC	Text processing				
Technical	MetaMap API	Division-Specific	LHC	Text processing				
Technical	Open-i	Division-Specific	LHC	Image processing				
Technical	Open-I Case Upload server	Division-Specific	LHC	Image processing				
Technical	Online Registry of Biomedical Informatics Tools (ORBIT)	Offering-Specific	LHC	ORBIT				
Technical	Profiles in Science	NLM-Wide	LHC	ProfilesInScience				
Technical	AskMedline	Offering-Specific	LHC	Literature				
Technical	PubMed for Handhelds	Offering-Specific	LHC	Literature				
Technical	txt2MEDLINE	Offering-Specific	LHC	Literature				
Technical	Translational Science Search (with links to ClinicalTrials.gov)	Offering-Specific	LHC	Literature				
Technical	Repository for Informed Decision Making (RIDeM)	Offering-Specific	LHC	Text processing				
Technical	RxClass	Division-Specific	LHC	Standards				
Technical	RxMix	Division-Specific	LHC	Standards				
Technical	RxNav	Division-Specific	LHC	Standards				
Technical	Drug-Drug Interactions API	Division-Specific	LHC	Standards				
Technical	RxClass API	Division-Specific	LHC	Standards				
Technical	RxNorm API	Division-Specific	LHC	Standards				
Technical	RxImage	NLM-Wide	LHC	Standards				
Technical	RxTerms API	NLM-Wide	LHC	Standards				
Technical	RxTerms Demo Form	Offering-Specific	LHC	Standards				
Technical	Semantic Knowledge Representation (SKR)	Offering-Specific	LHC	Text processing				
Technical	MAGPIE (Map Assisted Generation of Procedure and Intervention Encoding)	Offering-Specific	LHC	Standards				
Technical	Communications Engineering Branch (CEB)	Division-Specific	LHC	IRP				
Technical	LHNCBC Main Web	Division-Specific	LHC	IRP				
Technical	MetaMap	Division-Specific	LHC	Text processing				
Technical	NLM-Scrubber	Offering-Specific	LHC	Text processing				
Technical	SemRep	Offering-Specific	LHC	Text processing				
Technical	Lex Build	Offering-Specific	LHC	Text processing				
Technical	SPECIALIST NLP Tools	NLM-Wide	LHC	Text processing				
Technical	1000 Genomes	Division-Specific	NCBI	MGV				
Technical	Annotation pipeline software	Division-Specific	NCBI	SeqPlus				
Technical	Antimicrobial Resistance	Division-Specific	NCBI	SeqPlus				
Technical	Average Nucleotide Identity (ANI) Analysis	Division-Specific	NCBI	SeqPlus				
Technical	BLAST on GCP	Division-Specific	NCBI	SeqView				
Technical	BLAST stand-alone distributions	Division-Specific	NCBI	SeqView				
Technical	BioConcepts	Division-Specific	NCBI	MGV				
Technical	BioProject Archive	Division-Specific	NCBI	SeqArchv				
Technical	BioSample Archive	Division-Specific	NCBI	SeqArchv				
Technical	BioSystems	Division-Specific	NCBI	SeqPlus				
Technical	Bookshelf	Division-Specific	NCBI	Lit				
Technical	C++ Toolkit	Division-Specific	NCBI	ShrdSvcs				
Technical	CBB Research Projects	Division-Specific	NCBI	CBB				
Technical	CDD/SPARCLE	Division-Specific	NCBI	SeqPlus				
Technical	ClinGen Dosage Sensitivity Map	Division-Specific	NCBI	MGV				
Technical	ClinVar	Division-Specific	NCBI	MGV				
Technical	ClinicalTrials.gov	Division-Specific	NCBI	CTG				
Technical	Contamination Screening	Division-Specific	NCBI	SeqPlus				
Technical	DataDicer	Division-Specific	NCBI	SeqPlus				
Technical	DevOps Platform	Division-Specific	NCBI	DevOps				
Technical	Entrez Indexing/Search/Links	Division-Specific	NCBI	ShrdSvcs				
Technical	FlatFile DB	Division-Specific	NCBI	SeqArchv				
Technical	GEO Archive	Division-Specific	NCBI	SeqArchv				
Technical	GTR	Division-Specific	NCBI	MGV				
Technical	GeT-RM	Division-Specific	NCBI	MGV				
Technical	GenBank Curation Tools	Division-Specific	NCBI	SeqArchv				
Technical	GenBank Submission Utilities	Division-Specific	NCBI	SeqArchv				
Technical	GenColl/Assembly	Division-Specific	NCBI	SeqPlus				
Technical	GeneReviews	Division-Specific	NCBI	MGV				
Technical	General Variation Page	Division-Specific	NCBI	MGV				
Technical	Genome	Division-Specific	NCBI	SeqView				
Technical	Genome Browsers	Division-Specific	NCBI	SeqView				
Technical	Genome Workbench	Division-Specific	NCBI	SeqView				
Technical	GrantHub	Division-Specific	NCBI	Lit				
Technical	Identity and Access Management 2.0	Division-Specific	NCBI	ShrdSvcs				
Technical	Known Item Search	Division-Specific	NCBI	SeqView				
Technical	LinkOut	Division-Specific	NCBI	Lit				
Technical	MG Content	Division-Specific	NCBI	MGV				
Technical	MGS	Division-Specific	NCBI	MGV				

Technical	MSA Viewer	Division-Specific	NCBI	SeqView				
Technical	Map Viewer	Division-Specific	NCBI	SeqView				
Technical	MedGen	Division-Specific	NCBI	MGV				
Technical	MessageMail	Division-Specific	NCBI	ShrdSvcs				
Technical	MyBibliography	Division-Specific	NCBI	Lit				
Technical	MyNCBI	Division-Specific	NCBI	CX				
Technical	MyNCBI Account	Division-Specific	NCBI	CX				
Technical	NCBI Website / Home Page / Content Pages	Division-Specific	NCBI	CX				
Technical	NIHMS	Division-Specific	NCBI	Lit				
Technical	NISO JATS	Division-Specific	NCBI	Lit				
Technical	NLM Catalog	Division-Specific	NCBI	Lit				
Technical	OMIM	Division-Specific	NCBI	MGV				
Technical	OSIRIS	Division-Specific	NCBI	MGV				
Technical	PGAP-External	Division-Specific	NCBI	SeqPlus				
Technical	PMDM (PubMed Data Management)	Division-Specific	NCBI	Lit				
Technical	Parature / Dynamics Support Portal and Ticketing System	Division-Specific	NCBI	CX				
Technical	Pathogen	Division-Specific	NCBI	SeqPlus				
Technical	PheGenI	Division-Specific	NCBI	MGV				
Technical	Population Frequency (Pilot)	Division-Specific	NCBI	MGV				
Technical	Portal Platform	Division-Specific	NCBI	ShrdSvcs				
Technical	PubChem	Division-Specific	NCBI	Chem				
Technical	PubMed	Division-Specific	NCBI	Lit				
Technical	PubMed 2.0	Division-Specific	NCBI	Lit				
Technical	PubMed Central (PMC)	Division-Specific	NCBI	Lit				
Technical	Public Access Compliance Monitor (PACM)	Division-Specific	NCBI	Lit				
Technical	RT	Division-Specific	NCBI	ShrdSvcs				
Technical	Remap: web and standalone	Division-Specific	NCBI	SeqView				
Technical	SPDI	Division-Specific	NCBI	MGV				
Technical	SRA Archive	Division-Specific	NCBI	SeqArchv				
Technical	SRA Tools	Division-Specific	NCBI	SeqArchv				
Technical	SciENcv	Division-Specific	NCBI	Lit				
Technical	SeqAssm tools	Division-Specific	NCBI	SeqView				
Technical	Sequence Database	Division-Specific	NCBI	SeqArchv				
Technical	Sequence Viewer	Division-Specific	NCBI	SeqView				
Technical	Social Media / Marketing Communications	Division-Specific	NCBI	CX				
Technical	Structure	Division-Specific	NCBI	SeqPlus				
Technical	Submission Portal	Division-Specific	NCBI	SeqArchv				
Technical	Suite of GEO analysis tools	Division-Specific	NCBI	SeqView				
Technical	TaskManager	Division-Specific	NCBI	ShrdSvcs				
Technical	Taxonomy Database	Division-Specific	NCBI	SeqArchv				
Technical	Tree Viewer	Division-Specific	NCBI	SeqView				
Technical	VDB	Division-Specific	NCBI	ShrdSvcs				
Technical	Variation Viewer	Division-Specific	NCBI	MGV				
Technical	Viral Tools (general)	Division-Specific	NCBI	SeqView				
Technical	Viral Variation and Analysis Tools	Division-Specific	NCBI	SeqView				
Technical	Viral annotation tools	Division-Specific	NCBI	SeqPlus				
Technical	Web Displays and FTP for Assembly	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for BioProject	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for BioSample	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for BioSystems	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for Biocollections	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for Gene	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for Genome	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for Protein sequence resources	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for SRA	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for Structure	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for Taxonomy	Division-Specific	NCBI	SeqView				
Technical	Web Displays and FTP for nucleotide sequence resources	Division-Specific	NCBI	SeqView				
Technical	Web Displays for FTP and GEO	Division-Specific	NCBI	SeqView				
Technical	WebBLAST and specialized webpages that may use BLAST	Division-Specific	NCBI	SeqView				
Technical	Working Groups	Division-Specific	NCBI	MGV				
Technical	dbGaP Authorized Access System	Division-Specific	NCBI	MGV				
Technical	dbGaP Public	Division-Specific	NCBI	MGV				
Technical	dbGaP Registration System	Division-Specific	NCBI	MGV				
Technical	dbSNP	Division-Specific	NCBI	MGV				
Technical	dbVar	Division-Specific	NCBI	MGV				
Technical	eUtils	Division-Specific	NCBI	ShrdSvcs				
Technical	AccessGUDID	Division-Specific	OCCS					
Technical	AccessGUDID Batch	Division-Specific	OCCS					
Technical	Against The Odds	Offering-Specific	OCCS					
Technical	CDE-R System	Offering-Specific	OCCS					
Technical	ChemdID API	Offering-Specific	OCCS					
Technical	ChemdID Search (API)	Offering-Specific	OCCS					
Technical	ChemdID View (API)	Offering-Specific	OCCS					
Technical	ChemIDPlus System	Offering-Specific	OCCS					
Technical	Changing the Face of Medicine	Offering-Specific	OCCS					
Technical	Classification Editor	Offering-Specific	OCCS					
Technical	CMDB App	Division-Specific	OCCS					
Technical	Cognos	Division-Specific	OCCS					
Technical	Conservation Tracking Sytem	Offering-Specific	OCCS					
Technical	DailyMed System	Offering-Specific	OCCS					
Technical	DailyMed Batch	Offering-Specific	OCCS					
Technical	Database Password Manager	Division-Specific	OCCS					
Technical	DBMaint	Offering-Specific	OCCS					
Technical	Digital Preservation System	Offering-Specific	OCCS					
Technical	Digital Signage	Division-Specific	OCCS					
Technical	DOCLINE System	Offering-Specific	OCCS					
Technical	DOCLINE Batch	Offering-Specific	OCCS					
Technical	Drug Information Portal System	Offering-Specific	OCCS					
Technical	Emergency Access Initiative	Offering-Specific	OCCS					
Technical	Encoded Archival Description	Offering-Specific	OCCS					
Technical	Ending the Document Game	Offering-Specific	OCCS					
Technical	Eresources	Offering-Specific	OCCS					
Technical	Eresources Admin	Offering-Specific	OCCS					
Technical	ERMS	Offering-Specific	OCCS					

Technical	Flash Media Streaming	Offering-Specific	OCCS					
Technical	Health Topic Web Services	Offering-Specific	OCCS					
Technical	Household Products Database System	Offering-Specific	OCCS					
Technical	High-Risk Countries List	Division-Specific	OCCS					
Technical	HMD Digital Gallery System	Offering-Specific	OCCS					
Technical	HMD Digital Library Extension System	Offering-Specific	OCCS					
Technical	HMD Directory (DHMC) System	Offering-Specific	OCCS					
Technical	HMD Directory (DHMC) Admin	Offering-Specific	OCCS					
Technical	HMD Exhibit Asset Manager	Offering-Specific	OCCS					
Technical	HMD Maps	Offering-Specific	OCCS					
Technical	HSRProject System	Offering-Specific	OCCS					
Technical	HSRR System	Offering-Specific	OCCS					
Technical	HTTPS Compliance Dashboard	Division-Specific	OCCS					
Technical	Image Interoperability Framework (IIIF) API	Offering-Specific	OCCS					
Technical	IMS	Offering-Specific	OCCS					
Technical	IMS Batch	Offering-Specific	OCCS					
Technical	IndexCAT System	Offering-Specific	OCCS					
Technical	Information Rx System	Offering-Specific	OCCS					
Technical	International Programs	Offering-Specific	OCCS					
Technical	Inventory Control System	NLM-Wide	OCCS					
Technical	Journal Donation System	Offering-Specific	OCCS					
Technical	Learning Resources System	Offering-Specific	OCCS					
Technical	LinkChecker Batch	Offering-Specific	OCCS					
Technical	LiverTox System	Offering-Specific	OCCS					
Technical	Loading Dock	NLM-Wide	OCCS					
Technical	Loansome Doc System	Offering-Specific	OCCS					
Technical	Local Legends	Offering-Specific	OCCS					
Technical	LocatorPlus System	Offering-Specific	OCCS					
Technical	LSTRC Admin	Offering-Specific	OCCS					
Technical	Manuscript Clearance	NLM-Wide	OCCS					
Technical	Medline Review	Offering-Specific	OCCS					
Technical	Medline Reviewer Web	Offering-Specific	OCCS					
Technical	MedlinePlus System	Offering-Specific	OCCS					
Technical	MedlinePlus Batch	Offering-Specific	OCCS					
Technical	MedlinePlus Connect System	Offering-Specific	OCCS					
Technical	MedlinePlus Connect - Batch	Offering-Specific	OCCS					
Technical	MedlinePlus Connect - CMMS	Offering-Specific	OCCS					
Technical	MedlinePlus Input System	Offering-Specific	OCCS					
Technical	MeSH Browser System	Offering-Specific	OCCS					
Technical	MeSH Editing	Offering-Specific	OCCS					
Technical	MeSH Medline GCMS	Offering-Specific	OCCS					
Technical	MeSH Medline Year End Process	Offering-Specific	OCCS					
Technical	MeSH On Demand System	Offering-Specific	OCCS					
Technical	MeSH RDF System	Offering-Specific	OCCS					
Technical	MeSH Translation MTMS System	Offering-Specific	OCCS					
Technical	Native Voices Video	Offering-Specific	OCCS					
Technical	NIH Scientific Collections	Division-Specific	OCCS					
Technical	NLM Digital Collections System	Offering-Specific	OCCS					
Technical	NLM Digital QA	Offering-Specific	OCCS					
Technical	NLM Main Web	NLM-Wide	OCCS		X	x	X	X
Technical	NLM Shuttle Display	Offering-Specific	OCCS					
Technical	NOSC Display Maps	Offering-Specific	OCCS					
Technical	OERS - Outreach Evaluation and Reporting System	Offering-Specific	OCCS					
Technical	One NLM Dashboard	NLM-Wide	OCCS					
Technical	Outreach - Maps	Offering-Specific	OCCS					
Technical	Profiles in Science System	Offering-Specific	OCCS					
Technical	Patron Registration	Offering-Specific	OCCS					
Technical	PCM Binding Management System	Offering-Specific	OCCS					
Technical	PHP/HSR	Offering-Specific	OCCS					
Technical	Relais	Offering-Specific	OCCS					
Technical	RxNorm Editing System	Offering-Specific	OCCS					
Technical	ScanTrac	Offering-Specific	OCCS					
Technical	ScanTrac Batch	Offering-Specific	OCCS					
Technical	Serials	Offering-Specific	OCCS					
Technical	SFX System	Offering-Specific	OCCS					
Technical	Substance Registration System	Offering-Specific	OCCS					
Technical	Sunset COMM System	NLM-Wide	OCCS					
Technical	Teamsite		OCCS					
Technical	Terminology Service	Offering-Specific	OCCS					
Technical	Tox Town System	Offering-Specific	OCCS					
Technical	Tox Tutor System	Offering-Specific	OCCS					
Technical	TOXLINE System	Offering-Specific	OCCS					
Technical	ToxMap System	Offering-Specific	OCCS					
Technical	TOXNET System	Offering-Specific	OCCS					
Technical	UMLS Editing System	Offering-Specific	OCCS					
Technical	UMLS MEME and MidService	Offering-Specific	OCCS					
Technical	UMLS Production Framework	Offering-Specific	OCCS					
Technical	UMLS Terminology Services (UTS)	Offering-Specific	OCCS					
Technical	URL Mapping		OCCS					
Technical	UTS Annual Report System	Offering-Specific	OCCS					
Technical	UTS APIs	Offering-Specific	OCCS					
Technical	UTS CAS Login	Offering-Specific	OCCS					
Technical	Voyager System	Offering-Specific	OCCS					
Technical	Voyager Counters	Offering-Specific	OCCS					
Technical	Voyager PROD Batch	Offering-Specific	OCCS					
Technical	Voyager Prod z3951	Offering-Specific	OCCS					
Technical	VSAC System	Offering-Specific	OCCS					
Technical	VSAC Admin Tool	Offering-Specific	OCCS					
Technical	VSAC API	Offering-Specific	OCCS					
Technical	VSAC Collaboration Tool	Offering-Specific	OCCS					
Technical	VSAC FHIR System	Offering-Specific	OCCS					
Technical	Watson Explorer	NLM-Wide	OCCS					
Technical	Wireless Information System for Emergency Responders (WISER) System	Offering-Specific	OCCS					

Business Resource Name, its Scope Within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the Business Resource name.
Leave it BLANK if a Business Resource is NOT used by the offering.
You may add new Business Resource at the bottom of this list if your Business Source is not listed.
The Resource Organization must be provided if your new Business Resource's scope is Division-Specific.

				Offerings			
				Research Grants	Resource Grants	Workforce Development Grants	SBIR/STTR Program
Business	Design and User Experience	Division-Specific	NCBI				
Business	NLM Web Page Content and Development	NLM-wide	OCPL				
Business	NLM Promotional Materials Development	NLM-wide	OCPL				
Business	Strategic Communications	NLM-wide	OCPL				
Business	<add your new Business Resource here>						
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External Resource Name, its Scope within NLM, and NLM Organization Responsible

Click on field name to see the definition.
Mark an "X" beside the External Resource name.
Leave it BLANK if a External Resource is NOT used by the offering.
You may add new External Resource at the bottom of this list if your External Source is not listed.
The Resource Organization must be provided if your new External Resource's scope is Division-Specific.

				Offerings			
				Research Grants	Resource Grants	Workforce Development Grants	SBIR/STTR Program
				X	X	X	X
External	Receipt, Referral and Peer Review Services (CSR)			X	X	X	X
External	Extramural Research Policy and Guidance (OER)			X	X	X	X
External	NIH Guide to Grants and Contracts (OER)			X	X	X	X
External	GenMark (Georgia Tech)						
External	Pfam (EBI)						
External	GenomeTrakr (FDA)						
External	PulseNet (CDC)						
External	Comprehensive Antimicrobial Resistance Database (CARD; McMaster University)						
External	Bioconductor						
External	JATS (NISO)						
External	Eschmeyer's Catalog of Fishes						
External	International Committee on Taxonomy of Viruses (ICTV) classification						
External	List of Prokaryotic names with Standing in Nomenclature (LPSN)						
External	Index Fungorum						
External	International Plant Names Index (IPNI)						
External	World Register of Marine Species (WoRMs)						
External	ZooBank						
External	AHCJ Fellowship						
External	FNLM						
External	<add your new External Resource here>						
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Offerings that can be associated with 2017 Strategic Initiatives

Click on field name to see the definition.
Mark an "X" ONLY beside the Initiative names that your offering is aligned to.
Your offerings will be automatically aligned to Goal and Objective which the selected Initiative is aligned to.
Goals/Objectives listed here are for Initiatives grouping only.
You may not mark an "X" beside the Goal or Objective names.

		Offerings			
		Research Grants	Resource Grants	Workforce Development Grants	SBIR/STTR Program
	1.1a - Assessment of MeSH and Auto-Indexing				
	1.1b - MEDLINE 2022				
	1.1c - NLM Portfolio Assessment by MITRE				
	1.1d - DATaset Metadata Model (DATMM) Initiative				
	1.1e - CDE Repository Study				
	1.1f - Link articles to associated data sets				
Objective 1.2 - Advance research and development in biomedical informatics and data science					
	1.2a - Blue Ribbon Panel Review of NLM Intramural Research Program				
	1.2b - NLM-NSF MOU Innovative Mathematical, Statistical, and Computational Approaches to Biomedical Data Science	X			
	1.2c - FOA on at-scale curation approaches	X			
	1.2d - Data Science & Open Science Workshop				
	1.2e - Expand funding for extramural research to support new biomedical data-science initiatives (RPG and SBIR)	X			X
	1.2f - Expand collaboration with other ICs and agencies on data science oriented FOAs	X		X	
	1.2g - Expand funding for intramural research				
	1.2h - Hire NLM-wide scientific director				
	1.2i - Hire more intramural investigators				
	1.2l - Persistent unique IDs w/in NLM systems 1.2l Persistent unique IDs w/in NLM systems				
	1.2m - BMIC criteria for data repositories				
	1.2n - OSTP criteria for data repositories OSTP data management plan guidance				
Objective 1.3 - Foster open science policies and practices					
Objective 1.4 - Create a sustainable, institutional, physical, and computational infrastructure					
	1.4a - TOXNet platform migration				
	1.4b1 - IT Assessment - Team 1				
	1.4b2 - IT Assessment - Team 2				
	1.4b3 - IT Assessment - Team 3				
	1.4b4 - IT Assessment - Team 4				
	1.4b5 - IT Assessment - Team 5				
	1.4f - Assessment of Trans-NLM Central Functions				
	1.4g - Project Management for Implementation Initiative				
	1.4h - Workspace Initiative-Redesign First Floor of Building 38				
	1.4i - NLM Strategic Plan Communication (internal)				
	1.4j - Data Center Reliability Project				
	1.4k - NAS Study on Forecasting Costs of Data Preservation and Management				
	1.4l - Migrate high availability resources to the cloud				
Goal 2 - Reach more people in more ways through enhanced dissemination and engagement pathways					
Objective 2.1 - Know NLM users and engage with persistence					
	2.1a - Outreach planning		X		
	2.1b - Assessment of Tools used for NLM Resource Evaluation				
	2.1c - Assessment of Comparative Web Metrics				
	2.1d - User Experience / User Development Initiative				
	2.1e - External Communications Plans & Information Resources				
	2.1f - Informatics Professionals Outreach, Training and Development			X	
Objective 2.2 - Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data					
	2.2a - Branding of NLM				
Objective 2.3 - Support research in biomedical and health information access methods and information dissemination strategies					
	2.3a - Expand support for research grants that address user needs through the Personal Health Libraries FOA	X			
	2.3b - Increase support for G08 Resource Grants		X		
	2.3c - Increase support for G08 resource grants by expanding funding to one FOA per year		X		
	2.3d - Support scholarly works G13 grants relating to interests of primary NLM audiences		X		
Objective 2.4 - Enhance information delivery					
	2.4a - Support NN/LM activities to enhance understanding of data science and advanced data management		X		
	2.4b - Customer Experience IT Assessment				
Goal 3 - Build a workforce for data-driven research and health					
Objective 3.1 - Expand and enhance research training for biomedical informatics and data science					
	3.1a - Data Science Core Skills Analysis				
	3.1b - Expand extramural training grant support for predoctoral biomedical data science (Ts)			X	
	3.1c - Increase funding for postdoctoral fellowships in data science for mid-career researchers (Fs)			X	
	3.1d - Increase funding for career transition awards in biomedical data science (Ks)			X	
Objective 3.2 - Assure data science and open science proficiency					
	3.2a - Report on State of Data Science Training				
	3.2b1 - Reproducibility for Intramural Scientists Workshop				
	3.2b2 - Second Reproducibility for Intramural Scientists Workshop				
	3.2c - Data Science for Librarian Workforce Workshop				
	3.2d - Assessment of extramural staff data science training needs				
	3.2e - Support partnerships to share NLM curriculum materials in biomedical data science with other NIH training programs			X	
	3.2f - NLM Data science assessment/training				
Objective 3.3 - Increase workforce diversity					
	3.3a - Increase support for training partnerships with MSIs			X	
	3.3b - Increase support for partnerships with I-schools			X	
Objective 3.4 - Engage the next generation and promote data literacy					
	3.4b - Expand support for summer research training at NLM training programs for high school and undergraduate students			X	

Strategic Projects that can be associated with Offerings

Click on field name to see the definition.
Enter Project Name and Description. Mark an "X" under the Offering name to indicate the association.
You can leave this sheet blank if you do not have Strategic Projects.

Associated Offerings			
Research Grants	Resource Grants	Workforce Development Grants	SBIR/STTR Program

Strategic Projects that can be associated with 2017 Strategic Goals/Objective

Click on field name to see the definition.
The Strategic Project Name and Description will be automatically populated from the Strategic Projects tab.
Mark an "X" beside the Projects that are aligned to the corresponding goal and objectives. Please see the example.
It is preferable to map a Project to Objectives. If a Project cannot map to an Objective, map to a Goal.
A Strategic Project can align with multiple Objectives.

NLM Strategic Plan 2017 Goals/Objectives														
1 - Accelerate discovery and	1.1 - Connect the	1.2 - Advance	1.3 - Foster open science	1.4 - Create a sustainable,	**2 - Reach more people in more**	2.1 - Know NLM users	2.2 - Foster distinctiveness of	2.3 - Support research in	2.4 - Enhance	**3 - Build a workforce**	3.1 - Expand and enhance	3.2 - Assure data science	3.3 - Increase	3.4 - Engage the next generation
		X	X											

From: Middleton, Grace (NIH/NLM) [C]
Sent: 24 Sep 2019 15:08:51 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: STATUS? Tox Resource Follow-up

Thanks for the updates.

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, September 24, 2019 11:07 AM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Subject: FW: STATUS? Tox Resource Follow-up

FYI…

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Tuesday, September 24, 2019 10:37 AM
To: Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: STATUS? Tox Resource Follow-up

Here's an update:

Wei's team has been able to restore the ToxNet site back to the previous version, prior to CTVR being seen. I've asked some staff (Bert, Jeanne and Colette) to look around and test the site for any issues.

David

From: Gillikin, David (NIH/NLM) [E]
Sent: Tuesday, September 24, 2019 9:21 AM
To: Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: STATUS? Tox Resource Follow-up

Jerry

Here's some updates on the ones you listed:

AltBib – This is a special subject query that searches PubMed. It is on the list of special queries that RWS/PSD have been charged with reviewing. I've had a short conversation on this with Terry Ahmed, head of RWS, and his group will be reviewing it. The interface for AltBib may change but I don't anticipate that it will be retired.

DART -is being moved to PubMed and we are expecting to put up messages to users this week.

Drug Information Portal – evaluation and decision is in the future.

DSLD – Jeanne has been following up on this with the DSLD working group, who know that NLM will not be supporting this in the future. They may be able to transition to their own system in Nov/Dec, but we're waiting to hear more.

Household Products Database – evaluation and decision is in the future.

As for CTRV, this one is complicated. It is supposed to be a prototype database that shouldn't be available. We been investigating this and have found that it wasn't visible to any users as of Sept 14. We have evidence that it was released, without approval, on at least Sept 14. Wei Ma and her area are now looking into it - both to remove CTRV from the public site and to figure out how it was released. An unhappy former SIS contractor was let go last week, and her last day was Sept 17. We have no direct proof that this is related yet.

David

From: Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Sent: Monday, September 23, 2019 12:59 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: FW: STATUS? Tox Resource Follow-up

Hi Jerry,

I am forwarding to BSD as they are handling these resources. More information is coming out soon.

Stacey

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Monday, September 23, 2019 12:56 PM
To: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: FW: STATUS? Tox Resource Follow-up

I received the question below from NIEHS. I know we will continue to support Altbib. Have we made decisions yet on the other resources listed?

Thanks
Jerry

From: Holmgren, Stephanie (NIH/NIEHS) [E] <holmgre1@niehs.nih.gov>
Sent: Monday, September 23, 2019 11:07 AM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>

Cc: Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>
Subject: STATUS? Tox Resource Follow-up

Hi Jerry,

I was looking through some of the other tox/enviro resources and realized that we didn't cover the status of the following six. Any word on what will happen with them?

AltBib
CTRV
DART
Drug Information Portal
DSLD
Household Products Database

Thank you in advance,
Stephanie

From: Gillikin, David (NIH/NLM) [E]
Sent: 24 Sep 2019 15:41:18 +0000
To: Sheehan, Jerry (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Cc: Backus, Joyce (NIH/NLM) [E]
Subject: FW: David and Jeanne, just an FYI. NIEHS concerns.
Attachments: NLM Tox Resource Status.docx
Importance: High

Jerry, Dianne
FYI. In addition to the question that Jerry sent, Bert has now been contacted by an NIEHS librarian, wanting information about the various SIS products. The attached document is what someone at NIEHS had put together.
David

From: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Sent: Tuesday, September 24, 2019 11:34 AM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: David and Jeanne, just an FYI. NIEHS concerns.
Importance: High

David and Jeanne, just an FYI. Please note the attached summary compiled by the NIEHS Library person (I think that you'll agree that some of it could be clarified. I'm assuming that this is from the conversation NIEHS staff had with Jerry).
Bert

From: Hughes, Chip (NIH/NIEHS) [E] <hughes3@niehs.nih.gov>
Sent: Tuesday, September 24, 2019 10:38 AM
To: Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: FW: INPUT NEEDED: NLM Toxicology and Environmental Health Resources
Importance: High

Can I call and talk to you about this?????
Chip Hughes
NIEHS WETP
984-287-3271 (Office)
Personal Info (cell)

From: Holmgren, Stephanie (NIH/NIEHS) [E] <holmgre1@niehs.nih.gov>
Sent: Monday, September 23, 2019 4:30 PM
To: Berridge, Brian (NIH/NIEHS) [E] <brian.berridge@nih.gov>; Wolfe, Mary (NIH/NIEHS) [E] <wolfe@niehs.nih.gov>; Fostel, Jennifer (NIH/NIEHS) [E] <fostel@niehs.nih.gov>; Kleinstreuer, Nicole (NIH/NIEHS) [E] <nicole.kleinstreuer@nih.gov>; Auerbach, Scott S (NIH/NIEHS) [E] <auerbachs@niehs.nih.gov>; Heacock, Michelle (NIH/NIEHS) [E] <heacockm@niehs.nih.gov>; Duncan, Christopher (NIH/NIEHS) [E] <christopher.duncan@nih.gov>; Balshaw, David (NIH/NIEHS) [E] <balshaw@niehs.nih.gov>; O'Fallon, Liam (NIH/NIEHS) [E] <ofallon@niehs.nih.gov>; Miller, Aubrey (NIH/NIEHS) [E] <miller.aubrey@nih.gov>; Weis, Christopher (NIH/NIEHS) [E] <christopher.weis@nih.gov>; Hughes, Chip (NIH/NIEHS) [E] <hughes3@niehs.nih.gov>; Beard, Sharon (NIH/NIEHS) [E] <beard1@niehs.nih.gov>; Reid, Ericka (NIH/NIEHS) [E] <ericka.reid2@nih.gov>
Cc: Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>
Subject: INPUT NEEDED: NLM Toxicology and Environmental Health Resources
Importance: High

Hi everyone,
Would like your input on NLM resources of value to you, your group, or external stakeholders. This is time sensitive as NLM is proceeding full steam ahead with a complete review of their environmental health/toxicology resources.
As you may know, NLM recently released its new strategic plan and is shifting resources in order to implement that plan. One of the impacts is disbanding of the Specialized Information Services (SIS) branch. As a result, each of their products is going through a review to determine whether NLM will continue to support it. SIS was responsible for numerous toxicology-related products; e.g., ToxNet (https://toxnet.nlm.nih.gov/), the EnviroTox Resource page (https://envirotoxinfo.nlm.nih.gov/), and education resources like Environmental Health Student Portal (https://kidsenvirohealth.nlm.nih.gov/), among many others.
NIEHS leadership is aware and Rick organized a telecon. meeting between Jerry Sheehan, NLM Deputy Director and Charles, Jennifer, and myself to discuss what's happening and how NIEHS can be kept in the loop and provide feedback. The attached document shows the latest status of each of the resources.
We are trying to understand NIEHS staff usage of these resources. Have you ever used ToxNet? Do you use any of the specific resources listed in the attachment? If so, how frequently do you use them? Do you use any through the mobile version? Do you access via an API to download data?
Appreciate receiving your feedback by the end of the week. Please circulate to others within NIEHS as well as grantees that you think may be interested.
Thank you in advance,
Stephanie

Continue - Support As Is	
ChemID Plus	chemical properties/structure
ToxTown	public education on connection between chemicals, environment, human health
WISER	chem/bio/radio agents of concern for emergency responders

Continue - Integrate with Other Resources		
Hazardous Substance Databank (HSDB)	literature-curated toxicology data of >5000 chemicals	Most (not all) content will be integrated into PubChem. Still unclear what content won't be included and where it will go.
LactMed	literature-curated data on drugs/chemicals in breastmilk and potential exposure during feeding	Content moving to NCBI Bookshelf
LiverTox	medication/supplement inducing liver injury	Content likely moving to NCBI Bookshelf. Working with NIDDK to create a stable development

Retiring		
Carcinogenic Potency Database (CPDB)	Archive data (1980-2011) of chronic, long-term animal cancer tests	Available through FTP site
Chemical Carcinogenesis Research Information Service	Archive data (1985-2011) of NCI literature-curated carcinogenicity, mutagenicity, tumor promotion/inhibition tests	Available through FTP site
GeneTox	Archive data (1991-1998) from EPA's mutagenicity testing	Available through FTP site
Environmental Health Student Portal	Resource for teachers and students in grades 6-8 to learn about how environment impacts health	https://kidsenvirohealth.nlm.nih.gov/ PEPH or OSED interest?
ToxLine	Bibliographic database of toxicology-related citations	Most (not all) of the toxicology literature in Toxline is included in PubMed. NLM is still working through how to incorporate the grey toxicology literature into their resources.
ToxMap	Interactive map overlays EPA's TRI and Superfund data along with Census and NCI SEER data	already posted on website to retire in Fall 2019
ToxNet	Federated search portal to approx. 16 chemical and environmental health databases	

External Resources Resources developed by external groups that NLM was either solely hosting or providing a secondary source to access the data.		
Comparative Toxicogenomics Database (CTD)	NCSU-owned manually curated data on chemical-gene-disease relationships	Search direct from CTD website
HazMap	Literature-curated information on adverse effects of workplace exposures to chemical/biological agents.	Still in review. Discussions underway to transition to DOE, who is a heavy user of data for occupational health claims.
Integrated Risk Information Service (IRIS)	EPA's hazard identification and dose-response risk assessment information	Search direct from EPA website
Integrative Toxicity Estimates for Risk (ITER)	TERA-developed content provides comparisons of international risk assessment information	Status unclear
ToxTutor	Online tutorials on basic toxicology principles and concepts	Discussions underway to transition back to SOT

Review in Process or Unknown	
AltBib	Gateway to resources for alternatives to the use of live vertebrates in testing
Chemical Hazards Emergency Medical Management (CHEMM) ***and*** **Radiation Emergency Medical Management (REMM)**	CHEMM = chemical emergency information and REMM = radiation information Review in Process.
Clinical Toxicology Reference Values (CTRV)	Provides numerical data on normal/therapeutic, toxic, and lethal levels of various exposures measured in blood, plasma, serum, urine, and tissue
Developmental and Reproductive Toxicology Database (DART)	Bibliographic database of 400,000 references to teratology and other developmental/reproductive tox literature.
Dietary Supplements Label Database (DSLD)	Ingredients, health claims, manufacturer information for supplements
Drug Information Portal	Drug information including names, descriptions, labels, and drug categories
Household Products Database	Safety and health information for products used around the home

From: Gillikin, David (NIH/NLM) [E]
Sent: 24 Sep 2019 19:06:20 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E]
Subject: TB article posted about ToxNet retiring in Dec

FYI, the TB article about retiring Toxnet in mid December was published this afternoon. We know the announcement is already being tweeted.
David

From: Brtva, Roger (NIH/NLM) [E]
Sent: 25 Sep 2019 12:11:17 +0000
To: Nurik, Jody (NIH/NLM) [E];Champ-Blackwell, Siobhan (NIH/NLM) [E];Theisen, Lisa (NIH/NLM) [E];Widzer, Joanna L (NIH/NLM) [E];Wendling, Dan (NIH/NLM) [E]
Cc: Tuncer, Diane (NIH/NIDDK) [E];Fisher, Allison (NIH/NLM) [E]
Subject: RE: Will we be putting out an announcement like this?
Attachments: NLM Announcements

Hi Jody,
The message was sent to the Gov Delivery email list **NLM Announcements** – See attached.

I see are 14,774 subscribers that are subscribed to NLM Announcements.
Of that list I see 61 subscribers that have nlm in their email address.
I can send you that list if you like.

Additional details about all the NLM Email lists can be found on this page
https://www.nlm.nih.gov/listserv/emaillists.html
Roger

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, September 24, 2019 4:42 PM
To: Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>; Wendling, Dan (NIH/NLM) [E] <wendlingd@mail.nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Thanks, no changes.

Just to clarify – it will appear in NLM gov delivery messages – trying to find out who will be receiving the message.

Jody

From: Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>
Sent: Tuesday, September 24, 2019 4:36 PM
To: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>; Wendling, Dan (NIH/NLM) [E] <wendlingd@mail.nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

I promoted the NLM version of the page
https://www.nlm.nih.gov/news/Appropriations_subcommittee_hearing20190925.html

If changes are need tonight, Joanna or Dan could fix them.
Otherwise, I fix tomorrow morning if needed.

Also linked from
https://www.nlm.nih.gov/news/2019.html
https://www.nlm.nih.gov/news/newsevents.html
https://www.nlm.nih.gov/rss/nlmnews.rss
https://www.nlm.nih.gov/rss/auto/NLMGeneralAnnouncements.rss

The message should also appear in tomorrow's Gov Delivery messages.

Roger

From: Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>
Sent: Tuesday, September 24, 2019 4:13 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Sorry, you are subscribed to the topic. Apologies.

I am not sure why you did not receive an email.

From: Champ-Blackwell, Siobhan (NIH/NLM) [E]
Sent: Tuesday, September 24, 2019 3:12 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Regarding the first question, while Roger created the bulletin and left it in draft form, I hit the final send. I used the "NLM News Announcement" topic.
I just checked and you are not a Gov Delivery administrator on this account though Diane is. You also are not subscribed to the topic "NLM News Announcements".

I can add you at either level – as an admin I can set it up so you will receive notifications when an email is sent out. Or as a subscriber to the topic, of course, you will receive an email.

Let me know which you prefer,

Siobhan

Siobhan Champ-Blackwell
Reference & Web Services Section
Public Services Division
National Library of Medicine
301-827-5878
siobhan.champ-blackwell@nih.gov

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, September 24, 2019 3:03 PM
To: Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Thanks. What subscriber list was used? I didn't receive an email.

Any chance we can also put this up on the NLM news and events page?

Jody

From: Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>
Sent: Tuesday, September 24, 2019 4:01 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

The message was sent as Gov Delivery message sent out earlier today.
See attached.

Here's a link to message itself.
https://content.govdelivery.com/accounts/USNLMOCPL/bulletins/261777d

Roger

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, September 24, 2019 3:59 PM
To: Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-

blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Can you provide me the link of where this resides? Want to share it with Dr. Brennan.

Thanks,
Jody

From: Nurik, Jody (NIH/NLM) [E]
Sent: Tuesday, September 24, 2019 10:09 AM
To: Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

This looks great and is approved! Once again thanks for your timely efforts on this!

Jody

From: Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>
Sent: Tuesday, September 24, 2019 9:27 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Please let me know if the attached version is OK to send.
Roger

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, September 24, 2019 8:57 AM
To: Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Talking with Allison and she correctly pointed out that the logo should be the NIH logo as more than one institute is involved. Make sense?

Thanks,

Jody

From: Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>
Sent: Tuesday, September 24, 2019 8:55 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Hi Jody, I'm with Roger now. Do you mean the new logo or old logos? Either way we can do it! Thx

---

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, September 24, 2019 8:50 AM
To: Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Hi Roger,

Appreciate you getting this done so quickly. Can you add NLM logos to this mockup?

Thanks,

Jody

From: Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>
Sent: Tuesday, September 24, 2019 8:34 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Here's an updated version with Dr. Brennan referred to as "Patricia Flatley Brennan"

Roger

From: Brtva, Roger (NIH/NLM) [E]
Sent: Tuesday, September 24, 2019 8:27 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-

blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Jody,
Please see if the attached message meets your needs.
If it's OK, I will send it out.

From: Brtva, Roger (NIH/NLM) [E]
Sent: Tuesday, September 24, 2019 8:03 AM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Champ-Blackwell, Siobhan (NIH/NLM) [E] <siobhan.champ-blackwell@nih.gov>; Widzer, Joanna L (NIH/NLM) [E] <joanna.widzer@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: RE: Will we be putting out an announcement like this?

Jody,
I can see if I can post this announcement via the "NLM Office Of Communications NLM_OfficeOfCommunications@public.govdelivery.com"

I will let you review it before sending it out and/or if I run into difficulties.
Roger

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Tuesday, September 24, 2019 7:36 AM
To: Theisen, Lisa (NIH/NLM) [E] <theisenl@mail.nlm.nih.gov>; Brtva, Roger (NIH/NLM) [E] <brtvar@mail.nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Fwd: Will we be putting out an announcement like this?

Can we get something like this up this morning? Noting, we need to use Dr.Brennan's correct name.

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

Begin forwarded message:

> **From:** Patti Brennan <pattifbrennan@gmail.com>
> **Date:** September 23, 2019 at 8:20:25 PM EDT

To: jody.nurik@nih.gov
Subject: Will we be putting out an announcement like this?

Having trouble viewing this email? View it as a Web page.

National Institute on Minority Health and Health Disparities

NIMHD Updates

The United States House Committee on Appropriations, subcommittee hearing - Wednesday, September 25, 2019 - 10:00am ET

Investments in Medical Research at Five Institutes and Centers of the National Institutes of Health

Witnesses

Francis Collins M.D., Ph.D.
Director, National Institutes of Health

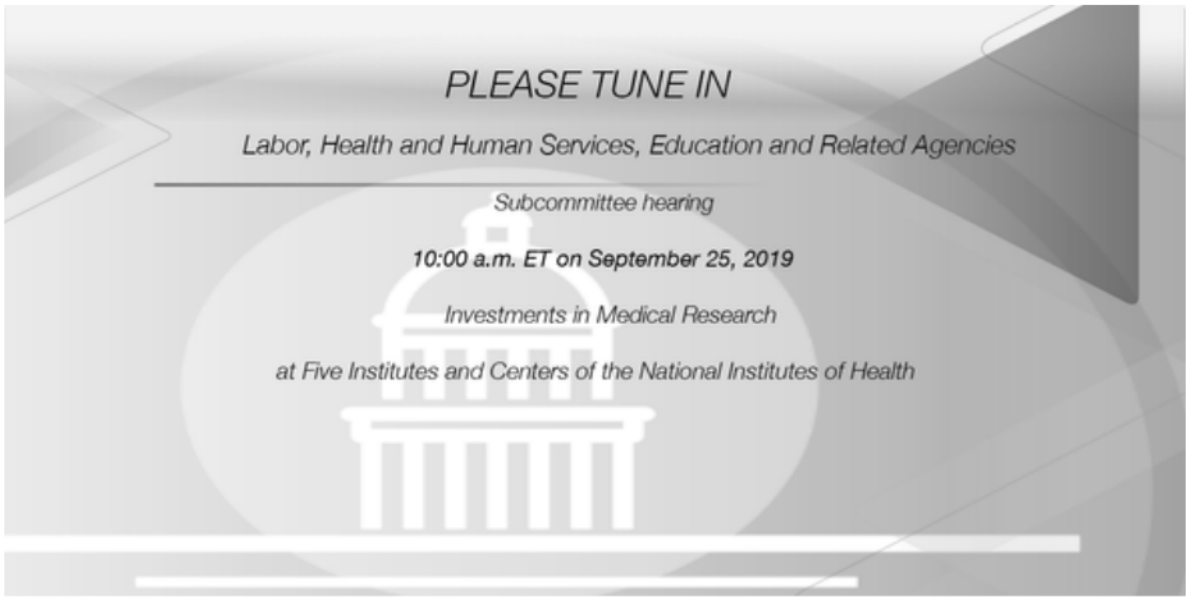
Bruce Tromberg Ph.D.
Director, National Institutes of Biomedical Imaging and Bioengineering

Eliseo J. Perez-Stable M.D.
Director, National Institute on Minority Health and Health Disparities

Helene Langevin M.D.
Director, National Center for Complementary and Integrative Health

Christopher Austin M.D.
Director, National Center for Advancing Translational Sciences

Patricia Brennan R.N., Ph.D.
Director, National Library of Medicine



Watch

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This email was sent to bjbowers@wisc.edu using GovDelivery Communications Cloud on behalf of: National Institute on Minority Health and Health Disparities · 6707 Democracy Boulevard · Suite 800 · Bethesda, MD · 20892-5465

From: NLM Office Of Communications
Sent: 24 Sep 2019 17:01:40 -0500
To: Brtva, Roger (NIH/NLM) [E]
Subject: NLM Announcements

U.S. National Library of Medicine

You are subscribed to NLM Announces from the U.S. National Library of Medicine.

The United States House Committee on Appropriations subcommittee hearing, Wednesday, September 25, 2019 - 10:00am ET

09/24/2019 04:26 PM EDT

Investments in Medical Research at Five Institutes and Centers of the National Institutes of Health

Biomedical Discovery through SRA and the Cloud

09/24/2019 04:00 PM EDT

Guest post by Jim Ostell, PhD, Director of the National Library of Medicine's National Center for Biotechnology Information, National Institutes of Health. NLM's Sequence Read Archive (SRA) is used by more than 100,000 researchers every month, and those researchers now have a tremendous new opportunity to query this database of high-throughput sequence data in new . Continue reading "Biomedical Discovery through SRA and the Cloud"

NLM Technical Bulletin, Sep-Oct 2019, TOXNET Website to be Retired, Most Content Will Remain Available

09/24/2019 01:46 PM EDT

TOXNET has served as an integrated system of toxicology and environmental health information. The most frequently used databases are being incorporated into three NLM core resources: PubChem, PubMed, and Bookshelf.

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GOVDELIVERY

From: Babski, Dianne (NIH/NLM) [E]
Sent: 4 Oct 2019 21:45:49 +0000
To: NLM LO ADLO;NLM NICHSR-ALL;Nurik, Jody (NIH/NLM) [E];McKay, Kathryn (NIH/NLM) [E]
Subject: LO Div Ch notes

REMINDERS!

1. **Foil the Flu Vaccination Schedule: https://www.ors.od.nih.gov/flu/Documents/Updated_%20Flu%20Schedule%202019-2020docx.pdf**
2. **SAVE THE DATE: Preventing and Addressing Harassment in the Workplace, October 29, 2019, 2pm – 3:30pm, Lister Hill Auditorium. The NIH Civil Program will be presenting information about Preventing and Addressing Harassment in the Workplace and the Personal Relationship Policy Statement. There will be time for Q&A and Civil Specialists will be available to meet with staff to personally discuss any concerns they may have.**
3. **The NIH has launched new mandatory annual Anti-Harassment training for all staff – Federal employees, contractors, and trainees, complete by November15, 2019. This new online training is one of several measures to address and eliminate harassment in our work environment. To take the training, visit the Office of Equity, Diversity, and Inclusion's website. Recommended browsers are Chrome or IE.**

October 3, 2019

AFP(Kathel)

- Kathel Dunn and the Associates will attend the Mid-Atlantic Chapter of MLA's annual meeting in Durham, NC October 5-7, 2019. Kathel Dunn will participate in a resume review; the Associate Fellows will connect with mid-Atlantic colleagues.

LO (Joyce and Jennifer)

- The PSD Chief screening interviews have been completed. Four candidates have been invited and will be coming to NLM for full day interviews on October 7, 8, 21, and 22.

TSD (Jennifer)

- Jennifer Gilbert is attending the Lyrasis Member Summit in Chicago, IL, October 3-4. With the merger of Lyrasis and DuraSpace there is now one Annual Member Summit for the two organizations. Jennifer is attending as the NLM representative to the Fedora Leaders Group. Also, NLM is a Lyrasis Leaders Circle member.

BSD (David)

- MMS held overview presentations about former SIS products for BSD staff. David Hale provide information on Pillbox and Data Discovery, Bert Hakkinen and Evan Bolton (NCBI) presented information on HSDB and the HSDB content in PubChem, and Meng Cheng provided information on ChemIDplus. Thank you to Sue von Braunsberg for organizing the event and to David, Bert, Evan and Meng for their presentations.
- On September 26, NLM, Censeo Consulting Group, and Sapient kicked off a seven-month usability study for the NIH Common Data Elements (CDE) Repository. Censeo and Sapient will analyze user needs regarding CDEs and the CDE Repository, conduct usability testing, review the technical infrastructure, and make recommendations to NLM for the future of the repository. Dianne Babski (ADLO), Patrick McLaughlin (BSD), Rex Robison (BSD), Beth Weston (TSD), and Robin Taylor (BSD) attended.
- The 2020 MeSH Headings are now available in the MeSH Browser (https://meshb.nlm.nih.gov/search). Use the MeSH 2002 tab to use this data. The MeSH

Browser always offers access to two years of MeSH vocabulary. Sometime in early December, the default year will change to 2020 MeSH and the alternate link to the 2019 MeSH.

- On September 24, the BSD Sunset Team published a Technical Bulletin article was published, announcing that the ToxNet Website will be retired on December 16, 2019. (https://www.nlm.nih.gov/pubs/techbull/so19/so19_toxnet_discontinued.html) Some of the ToxNet databases are being retired, while others are being merged with PubMed, BookShelf or PubChem.
- NLM Technical Bulletin Update: MMS was providing content/editing support to OET through September as the NLM Technical Bulletin transitioned from BSD to OET this summer. Starting in October, the MMS role moves from direct editing work to providing support for answering questions about Technical Bulletin work.

HMD (Jeff)

- Congratulations to:
    - everyone involved in the achievement of the new *Profiles in Science* site, now live at https://profiles.nlm.nih.gov/ As Rebecca Warlow helpfully reported via email earlier this week, the new Profiles in Science is the culmination of two and half years' collaboration by a team from HMD, OCCS, TSD, and LHC. The new Profiles site is a great example of NLM cooperation that benefits our users by leveraging and expanding the functionality of the existing NLM Digital Collections platform. All of the public digitized resources in Profiles in Science are available in Digital Collections, where you can find the content under the Genre: Archival Materials facet, and it can be searched with all other content in Digital Collections. As part of this project, the software ArchivesSpace and Spotlight were implemented to showcase the curated content in Profiles. The resources are managed in Digital Collections and made dynamically available to Spotlight over the IIIF API, a protocol that can enable richer access to the images. As Rebecca reported, new features in Profiles in Science will be developed in the coming months, and the team welcomes feedback jointly to Rebecca and Christie Moffatt.
    - everyone who contributed to the success of week's installation of the two new, evergreen banners at the entryway of the History of Medicine Division Reading Room. They look fantastic, as does the associated, curated informational material which will shortly be available at the HMD reference desk. Both testify wonderfully to our stewardship of NLM's historical collections, to the depth and breadth of NLM's collections overall, and to the experience and expertise which each and every one of us contributes every day to informing our patrons who visit us to use these collections for their research.
    - Steve Greenberg on the publication of his article "What Really Happened... Mostly," in the Fall 2019 issue of "The Watermark," the quarterly publication of Archivists and Librarians in the History of the Health Sciences/Medical Museums Association. The article discusses the restoration work of filmmaker Peter Jackson with original First World War movie footage in the Imperial War Museum, and its implication for curators and researchers. The article is available on page 12 of the issue.
- And thanks to:
    - Erika Mills and Ginny Roth for offering LO Division Chiefs and Deputies a very informative and enjoyable and preview tour of their collaboration in co-curating the new special display in the HMD Reading Room, *World Health Organization: Picturing Health For All*, and to both of them also for preparing their associated presentation at

the October 11 Division Chiefs/Section Heads meeting. And look for their blog post later today on *Circulating Now*.

- the *Journal of the Medical Library Association*—and especially to Steve Greenberg, editor of its regular *History Matters* column, as well as to Katherine Akers, JMLA editor, and Susan C. T. Talmage, JMLA managing editor—for publishing in its new October issue From Postcard to Book Cover: Illustrating Connections between Medical History and Digital Humanities, by E. Thomas Ewing, Katherine Randall, and Jeffrey S. Reznick, and featuring the latest chapter in the impactful partnership between the NLM and the NEH.

OET (Amanda)

- Last week, Dan Gerendasy represented NLM at the H3Africa conference in Accra, Ghana where he hosted or presented the following workshops for attendees: Writing to Publish, Mock Reviewer Orientation, Media Engagement, and Ethics of Scientific Writing.
- On Tuesday, Aimee Gogan and Amanda Wilson met with Cochrane to discuss opportunities for collaboration with Cochrane Crowd for NNLM's crowdsourcing and citizen science activities.
- The Request for Information "Evolving the National Network of Libraries of Medicine (UG4)" was released on Tuesday. The comment period closes December 2, 2019. Mike Davidson is the NLM contact for the initiative.
- This week OET assumed management of the NLM Outreach Evaluation and Reporting System (OERS). Thanks to Maria Collins for developing the system and leading us through the transition. Renee Bougard, OET, is the new product owner for OERS.

PSD (Stacey)

- The DOCLINE Team is pleased to announce that DOCLINE 6.2 was released on October 1st . V6.2 is the 16th release since system went live in March and features the much-missed ability to place multiple requests at one time, using PMIDs.
    - The PMID request "Success!" page was updated to include more information about the requested material; and now also includes: Borrowing Library, Patron Name (if input by borrower), date/time requests were placed, and submitting user. The release adds a dozen further updates to the system, including enhancements to Manual Ordering, button labels to improve clarity, Journal Search Results, User messages, and links to LocatorPlus.
    - User feedback about the release was swift and appreciative!
- Starting October 2nd, the Main Reading Room began filling requests following an e-First policy. This means if the item requested is available electronically, the print copy will not be pulled from the stacks. The patrons will be instructed how to obtain articles online. This applies mostly to journals. Exceptions to this policy would include: (cover page needed, table of contents needed (as they are often in html not PDF) or the patron needs ads from a certain time period. These will be provided on a case by case basis.
- Siobhan Champ-Blackwell will be co-presenting at two workshops at the Midwest Chapter/MLA Annual meeting in Milwaukee, WI on Oct 5: “Libraries as a Disaster Recovery Resource: How to Make a Difference” and “Libraries as a Disaster Recovery Resource: Take Action”.
- Colette Hochstein participated in the TOXNET to NCBI Databases Integration Team (Evgeny Kireev, Evan Bolton, Stacy Lathrop, Jeff Beck (NCBI); Jeanne Goshorn, David Gillikin, Bert Hakkinen, (BSD)), which is working to integrate content from TOXNET databases into NCBI products to make its data more findable, accessible, interoperable, and re-usable for data science discovery. This approach will leverage NCBI's data processing and delivery pipeline to improve chemical searching and chemical query expansion algorithms.

- Social Media: Stacy Coppess and Stephanie Morrison met with Jody Nurik (OCPL) and her team to get feedback on an upcoming text messaging campaign and ideas for expanding MedlinePlus social media.
- Stephanie Morrison, Sabrina Springer, and Laura Bartlett met with Dr. Dina Demner Fushman (LHNCBC) and her research team to make plans for a data science research collaboration between their team and MedlinePlus. They will be using natural language processing tools and approaches to help MedlinePlus create consumer-level content and keep existing content up-to-date.
- Laura Bartlett, Michael Honch, and Stephanie Morrison attended a meeting with CommunicateHealth to get an update on the ongoing health literacy assessment project.
- HIPU welcomed Laura Bartlett (LO/OET) on a 120-day detail. Laura will serve as a special project lead for HIPU. Specifically, she will lead the data science research collaborations and other special projects related to user needs assessments, evaluation, etc. Laura will also be helping with the evaluation and transition of Genetics Home Reference, HealthReach, and potentially other NLM products into MedlinePlus.
- Ron Gordner reviewed several search strategies for topic areas on DIMRC resources.
- Fifteen new medical tests are now available in MedlinePlus
  - Lactate Dehydrogenase (LDH) Test
  - Lactate Dehydrogenase (LDH) Isoenzymes Test
  - Ammonia Levels
  - Prolactin Levels
  - Ceruloplasmin Test
  - Natriuretic Peptide Tests (BNP, NT-proBNP)
  - Parathyroid Hormone (PTH) Test
  - Lactic Acid Test
  - 17-Hydroxyprogesterone
  - Smooth Muscle Antibody (SMA) Test
  - Cord Blood Testing and Banking
  - Comprehensive Metabolic Panel (CMP)
  - Adrenocorticotropic Hormone (ACTH)
  - Liver Function Tests
  - Creatinine Test
- PCMS staff worked with the NIH Office of Research Facilities to repair the dehumidification system and bring it back online to lower the relative humidity and inhibit further mold growth. The portable dehumidifiers were removed on September 27th. Unfortunately, the relative humidity has risen over the past week and more repairs to the main dehumidification system are needed. Staff are working to bring back the portable dehumidifiers. A last minute, end of year contract was signed to remediate the mold in the collection. It is anticipated work will begin in the next week.

Dianne Babski
Deputy Associate Director for Library Operations
Acting Head, National Information Center on Health Services Research & Health Care Technology
National Library of Medicine
National Institutes of Health
dianne.babski@nih.gov
301-827-4279

October is
Cybersecurity
Awareness
Month
STOP
MALICIOUS CODE
FROM SPREADING
Unknown
Do Not Open
Attachments
You Are Not
Expecting!

From: Scott, Nicole (NIH/NLM) [E]
Sent: 5 Oct 2019 20:10:39 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Middleton, Grace (NIH/NLM) [C]
Subject: Re: Steering Group

Hi Jody and Grace,

Personal Info

Sorry....

Nicole

Sent from my iPhone

On Oct 5, 2019, at 11:24 AM, Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov> wrote:

> Hi Grace and Nicole,
>
> Can one of you attend this meeting?
>
> Thanks,
> Jody
>
> **From:** Carolyn Kurowski <CKurowski@fmpconsulting.com>
> **Sent:** Friday, October 4, 2019 5:04 AM
> **To:** Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>
> **Subject:** RE: Steering Group
>
> Good morning everyone,
>
> The following is our agenda for Monday. I will be on vacation next week so Bryanne will be facilitating the discussion on Monday.
>
> **Review the status of transitioning SIS products**
>
> - What is the current plan (dates and activities)?

- What assistance is needed/requested?
- Does the team need a decision to move forward?
- Do team members need to coordinate on some aspect of the plan (technology, communication, research)?

The following is the list we last discussed in August. If you have a more up to date document you would like to review during the meeting please. Let Bryanne know.

	Offering Name	Notes re: Status
1	Disaster Information Mgt Research Center (DIMRC) website	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program and create a brie proposed focus and present to Patti.
2	Chemical Hazards Emergency Medical Management (CHEMM)	
3	Radiation Emergency Medical Mgt. (REMM)	
4	Wireless Information System for Emergency Responders (WISER)	
5	NIH Disaster Research Response Program (DR2)	
6	Disaster Lit: Database for Disaster Medicine and Public Health	
7	ChemIDplus	Evaluate – David G will include with other Tox Products, and work closely with OCCS given technol required to rebuild? Data needed to make decision (no documentation; knowledgeable contractor Can we get the product information sheet with the product dependencies? Need to determine wh systems.
8	Data Discovery	Treat as a project not a product. David will manage with David Hale. Funding has been provided o funds); not in BSD budget. David G will ask David H for a report.
9	Dietary Supplement Ingredient Database	Transfer to another organization or sunset; **Question**: Allowed to archive or not? Jeanne will conti announcement has been published in the Technical Bulletin about the transfer.
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Thanks,

Carolyn Kurowski
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ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

From: Banh, Philip (NIH/NLM) [C] <philip.banh@nih.gov> **On Behalf Of** Backus, Joyce (NIH/NLM) [E]
Sent: Monday, September 30, 2019 11:33 AM
To: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>; Carolyn Kurowski <CKurowski@fmpconsulting.com>; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>
Subject: Steering Group

[EXTERNAL]

Steering Group

Monday, October 7, 2019
9:30 am | Eastern Daylight Time (New York, GMT-04:00) | 45 mins
Meeting number (access code): Passcode
Host key: Passcode
Meeting password: ph2PyAHM

Start meeting

Join from a video system or application

Dial Passcode@nih.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

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Tap to call in from a mobile device (attendees only)

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From: Bryanne Reynolds
Sent: 6 Oct 2019 23:42:51 +0000
To: Backus, Joyce (NIH/NLM) [E]
Subject: Files for tomorrow
Attachments: NLM agenda 10-7.docx, NLM Updates 10-7.xlsx

Hi Joyce,

I just realized that I'm not sure if you generally use your computer for the WebEx for these meetings. I'll bring my FMP laptop, but I'm not sure if I can project from that so I'm attaching the files for you to this email.

There is an agenda and then an Excel file that we'll be updating. I'll see you tomorrow.

Thanks,
Bryanne

AGENDA 10/7:

Review the status of transitioning SIS products

- What is the current plan (dates and activities)?
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7	ChemIDplus	Evaluate – David G will include with other Tox Products, and work closely with OCCS given technology issues. What would be required to rebuild? Data needed to make decision (no documentation; knowledgeable contractor re-assigned; no longer available). Can we get the product information sheet with the product dependencies? Need to determine which contracts cover which systems. **UPDATE: A lot of issues being identified by OCCS. Huge cost implications for Oracle database just to keep going. Probably need to support until PubChem is the full presentation system (FY20 goal). Long term, costs will continue to increase (maintain Oracle and build new systm to transfer to differnt database and platform)**
8	Data Discovery	Treat as a project not a product. David will manage with David Hale. Funding has been provided on a year-to-year basis (additional funds); not in BSD budget. David G will ask David H for a report. **UPDATE: Project started to provide product information and usage data. Also testing how this product could support NCBI codeathons; working with Allissa Dillman (NCBI) to see if this is useful for the data display, visualization and API functions.**
9	Dietary Supplement Ingredient Database	Transfer to another organization or sunset; **Question**: Allowed to archive or not? Jeanne will continue to move forward. An announcement has been published in the Technical Bulletin about the transfer.
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14	Tox Town	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Dec 15th. **UPDATE: Questions from NIEHS sent to OET. BSD now has OET POC to send questions to.**
15	Tox Tutor	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Dec 15th. **UPDATE: Questions from NIEHS sent to OET. BSD now has OET POC to send questions to.**
16	HDSB	**UPDATE: Major Security issue/violations found - access violates HHS/NIH security regulations. No PIV card access required. OCCS does not have current resources to launch full investigation yet. Workflow - knowledge of the full HSDB workflow is gone when staff left last fall. David developing summary about HSDB issues**
17	Drug Information Portal	**UPDATE: Domino effect on this system based on ToxNet sunset. Users will be presented with broken links. Not known if OCCS has resources to fix issues to retain site.**

From: Zaringhalam, Maryam (NIH/NLM) [C]
Sent: 7 Oct 2019 14:10:35 +0000
To: Dunn, Kathel (NIH/NLM) [E];Huerta, Mike (NIH/NLM) [E]
Subject: NLM Strategic Plan Implementation Council Notes for Wiki
Attachments: jody_three_pillars_presentation_100319.pptx, NLM SP ImpCncl Notes 2019-10-03.docx

Hi Kathel,

Could you post the attached notes and slides from our last Strategic Plan Implementation Council meeting on the Wiki? If you have any questions, please let me know!

Thanks,
Maryam

***

Maryam Zaringhalam, PhD
(she/her/hers)
AAAS Science & Technology Policy Fellow
Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

8600 Rockville Pike
Bethesda, MD 20894
Tel: (301) 827-2420
Email: maryam.zaringhalam@nih.gov

NLM Strategic Plan Implementation Council MeetingOctober 3, 2019Presenter: Jody Nurik

Concepts for Review

- PosterDigital SignageScreensaverPlexiglass SignBusiness Cards

Poster

Accelerating Discovery & Data-Powered Health

Accelerate discoverery & advance health through data-driven research

Reach more people in more ways through enhanced dissemination & engagement

Build a workforce for data-driven research & health

NIH NLM

Poster 2 (28" x 22")

Accelerating Discovery & Data-Powered Health

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NIH NLM

Poster: 3 (28" x 22")

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NIH NLM

Poster 1 (28" x 22")

Accelerating Discovery & Data-Powered Health
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Digital Signage

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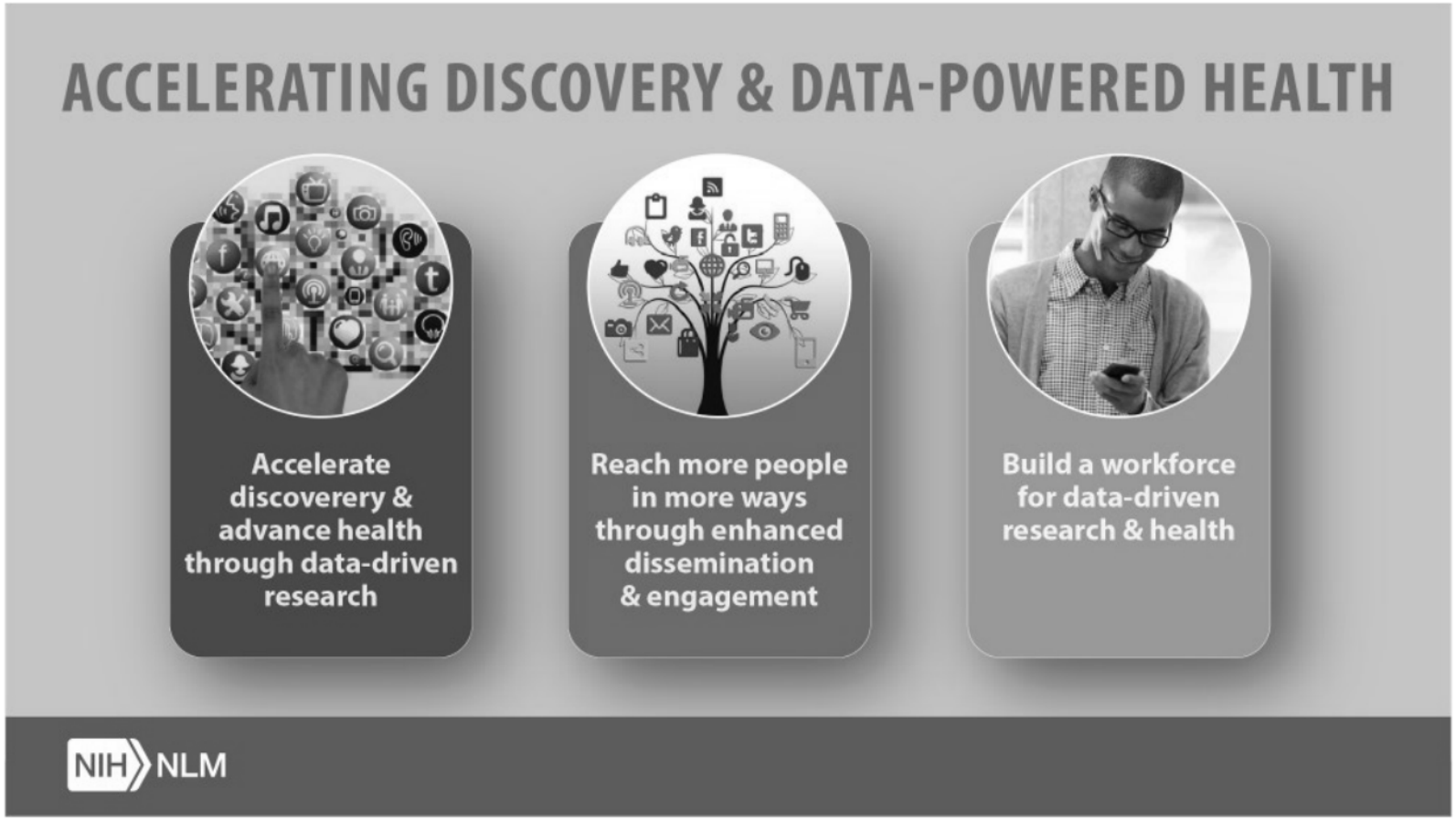
NIH NLM

Digital signage 2



Digital signage 1

Screensaver

ACCELERATING DISCOVERY & DATA-POWERED HEALTH

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Screensaver 2 (28" x 22")

NIH NLM

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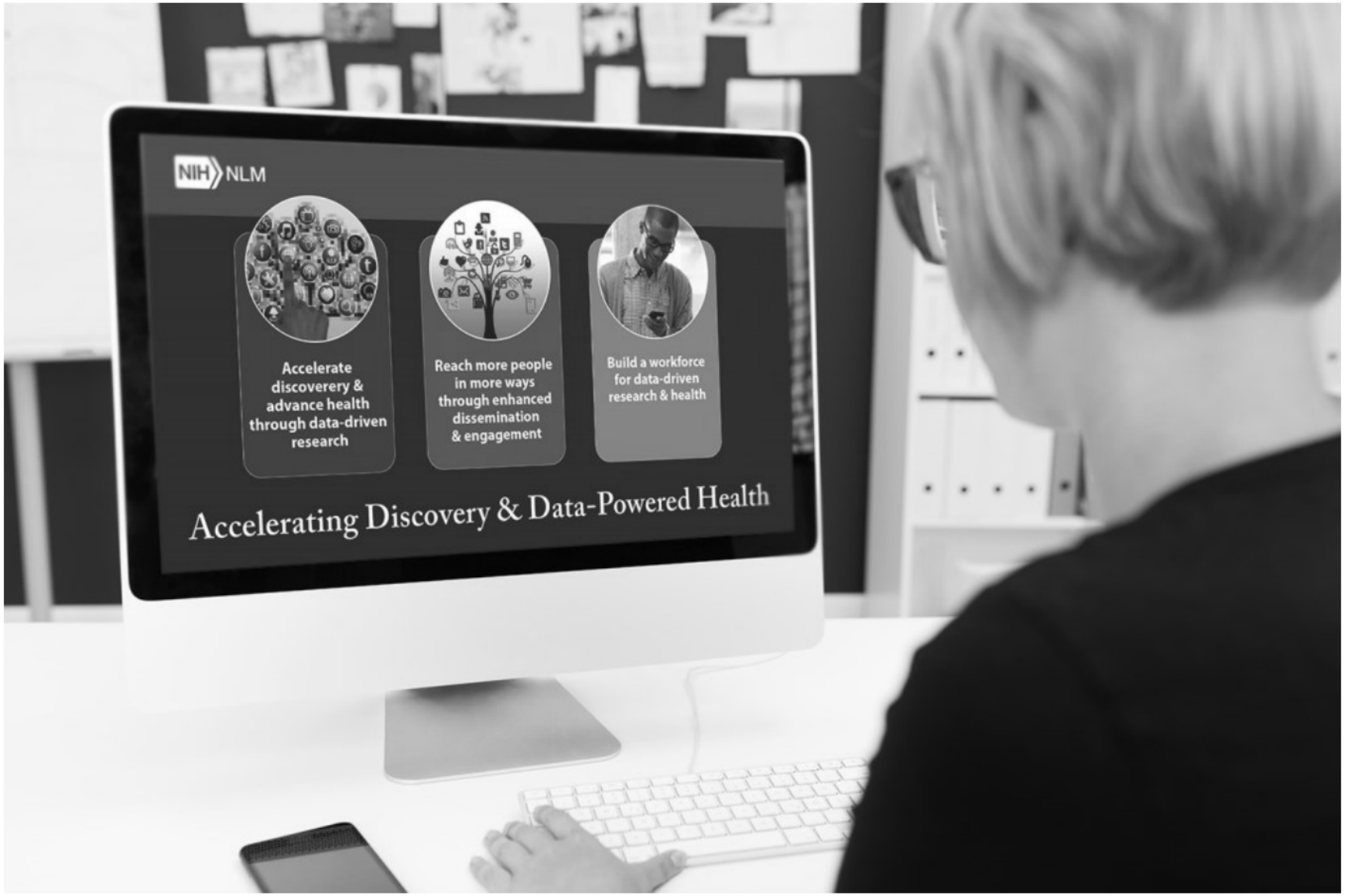
Accelerating Discovery & Data-Powered Health

Screensaver 1 (28" x 22")


NIH NLM
Accelerate discoverery & advance health through data-driven research
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Accelerating Discovery & Data-Powered Health

Plexiglass Sign

Accelerating Discovery & Data-Powered Health

Accelerate discoverery & advance health through data-driven research

Reach more people in more ways through enhanced dissemination & engagement

Build a workforce for data-driven research & health

October 2019

FRONT

Accelerating Discovery & Data-Powered Health

GOAL 1: Accelerate discovery and advance health by providing the tools for data-driven research

Objective 1.1: Connect the resources of a digital research enterpriise
Objective 1.2: Advance R&D biomedical informatics and data science
Objective 1.3: Foster open science policies and practices
Objective 1.4: Create a sustainable institutional, physical, and computational infrastructure.

GOAL 2: Reach more people in more ways through enhanced dissemination and engagement pathways

Objective 2.1: Know NLM users and engage with persistence
Objective 2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
Objective 2.3: Support research in biomedical and health information access methods and information dissemination strategies
Objective 2.4: Enhance information delivery

GOAL 3: Build a workforce for data-driven research and health

Objective 3.1: Expand and enhance research training for biomedical informatics and data science
Objective 3.2: Assure data science and open science proficiency
Objective 3.3: Increase workforce diversity . . .
Objective 3.4: Engage the next generation and promote data literacy

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BACK

Accelerating Discovery & Data-Powered Health

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NIH NLM

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BACK

Business Cards

Accelerate discoverery & advance health through data-driven research
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NIH NLM
Accelerating Discovery
& Data-Powered Health
nlm.nih.gov

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Build a workforce for data-driven research & health

NATIONAL LIBRARY
OF

NLM envisions three pillars as the foundation for such a platform: 1. Innovate, create, and maintain a sustainable digital ecosystem to keep pace with the data demands of the research enterprise 2. Engage a wide range of audiences to ensure the right information gets delivered to them at the right time. 3. Inspire and empower the data-driven workforce of the future. The NIH has affirmed its dedication to the future of data-powered health.

NLM Strategic Plan Implementation Council

Thursday, September 5, 2019 // 4 - 5 pm
Lindberg Room, Mezzanine, Building 38

Meeting Minutes

Increasing Visibility of the Strategic Plan – Jody Nurik

- Jody Nurik outlined a proposed communications strategy to increase the visibility of the strategic plan and its goals across the Library
    - Phase 1 would focus on strategically placing visuals around the Library with the pillars of the Strategic Plan
        - Idea is that if people want to see how their work connects to the Strategic Plan, they need to be reminded what the Strategic Plan is trying to achieve
    - Phase 2 would be more focused on directly relating the goals and objectives of the plan to activities happening across the Library to accomplish the vision
- Jody presented mock-ups of five different kinds of visual assets, which can be viewed in the presentation slides
    - Signage
    - Posters
    - Screensaver to provide to everyone and have in conference rooms
    - Plexiglass stands – two-sided
        - Should add logo to both sides
    - Business cards – two-sided

Discussion of Communication Strategy – All

- Patti Brennan asked about the green color palette, which might be difficult to read in a dark room
    - Decision was to put the graphics out to the community for feedback
    - General agreement around the room was that the print should be bigger, and we should ensure the graphics are high contrast
- Mike asked whether we envision other communication beyond the signage
    - Will send out a broadcast email announcing that the signage is now around the Library and ask them to think about those goals and how their work relates to them
    - Include that we want to hear from the community about the graphics and ideas they might have around further communications, as well as asking what they need from the Council
- Anatoly Mnev noted that it's great to have this visual communication out, but unless we connect it to the work people are doing around the Library, it may not achieve its maximum impact
    - People need to understand what their day-to-day jobs have to do with the Strategic Plan, so we will need to start an effort mapping activities to strategic goals and objectives

- Mike noted that we have already collected strategic projects in the data call for the NLM Portfolio Analysis
    - Can begin to identify the people working on those projects, and for instance, have a picture of that person with a quote and description of what they're doing and how it relates to strategic plan
    - Can have a generic poster about the Strategic Plan and additional posters about some of the strategic activities
- Anatoly also noted that it would be good to have dashboard with strategic projects, not just those listed in the ESM tool, with rolling updates so people can see the progress of different project
    - Can be available online
    - Mike noted that this was an idea when the Plan originally rolled out, but people haven't done a great job of consistently updated the progress of these projects
        - Anatoly noted that this dashboard and updating in the dashboard could be owned by the people directly working on those projects, rather than managers
- Valerie Schneider noted that some of the work that we do at NLM has aligned with these goals for a long time, so it would be important to show how those longstanding activities connect to the Strategic Plan
    - Patti noted that it's still important for NLM staff to recognize that there is a real shift that is happening in the Library's priorities, even as some day-to-day operations remain the same
    - Might be worthwhile to write a blog post to help NLM staff see what we've done over the years, how your work fits in with what we've done, and how the goals are about consolidating our efforts and driving the Strategic Plan
        - About taking the best strengths of the Library and using them to drive the science of the future

- Anne Altemus suggested that we could take one pillar of the Plan and show some projects that are being done to support the pillar; could have a series of posters around the Library
- Jody suggested creating videos, similar to those made for the Data Science Day, where staff could talk about what data science means to them
    - Could start Town Hall Meetings with these videos
    - Anatoly also suggested promoting certain projects, as they did during Data Science Day, creating videos and posters to post around the Library
        - Jody noted that the posters from Data Science Day have been captured and are on the Data Science wall
    - Anne noted that we can also push video through email
        - Each month, we could pick a pillar and highlight a project that supports it
        - Build a collection of demonstrated expression of the Strategic Plan
    - Mike noted that we'll need to identify who and what to highlight as a Council
        - Council members can bring ideas from their respective Divisions back to the Council

        - Anatoly noted that this doesn't need to be an exhaustive effort to capture everything
        - Showing staff that these are the objectives and goals of the Strategic Plan and here is how the work everyone is doing is being pushed up to support the goals/pillars
    - Rex Shuler noted that the useful thing about the pillars is that you can drill down into finer granularity – underlying the goals are the objectives, underlying the objectives are the strategic projects and initiatives
        - Can continue to drill down to show the work underneath it and the people supporting that work
- Patti suggested to Mike that as they consider the five-year update on the Strategic Plan, they might turn it around into a campaign asking NLM staff where they see themselves in the progress of the Strategic Plan to learn more about people's ideas
- Dan Cho noted that we might incorporate the pillars of the Strategic Plan on the NLM home page
    - Patti suggested going to the homepage and being able to click around to find stories about NLM staff and what they're doing to support the Strategic Plan
    - Anne noted that at the Board of Regents meeting, some of these stories were already highlighted, which can be shared – can call from the reports that were made there
- Patti suggested cleaning up the report that was given to the Board of Regents of all the different accomplishments over the year to share with the community
    - Everything from how many papers in PubMed Central that now have data associated with them to the number of people reached through the Data Science Training Initiative to the number of grant areas we've funded
- Jody noted that we need to make sure we're engaging a broad swath of NLM, so we're not focusing on people who already know a lot about the Plan, but are targeting those who don't so we can get them excited and engaged
    - Patti likes the idea of telling people that because of what they're doing, we're achieving the Strategic Plan – make the Plan more concrete and to recognize their efforts
    - Idea of the visuals is that they'll be around as a constant reminder of what the plan is
- Council members' input on different visual materials
    - People liked the poster, digital signage, and the business cards
    - Not much enthusiasm around the screensaver and the plexiglass sign
    - Anne also suggested creating a pop-up banner for the three pillars to display in Lister Hill and around the Library so that people coming through on tours can see what's going on across the Library

Round Robin Updates – All

- Mike for OSI
    - In April, OSI hosted a workshop where we brought about 15 librarians and iSchool faculty in to identify data science skills that would be useful for librarians working in research-based libraries, beyond data management assistance

        - OSI just finished a draft of the report on the workshop, led by Lisa Federer, and the draft was sent to Elaine Martin at Harvard University, who was the chair of the workshop, for comments; once we incorporate those comments, we'll be circulating the report to other participants
        - Subsets of the participants have been getting together and working on synthesizing and sharing outcomes of the workshop at various meetings
        - The document looks not only at the data science-related skills and services that data librarians should be thinking about, but also how general librarianship skills integrate with those more data-centric considerations
- Patti for OD
    - We are now under a continuing resolution, so we have enough funds to take us up through November 21st
        - Dr. Collins is optimistic that we will be having a budget resolution after that, which will likely be a minibus, so we won't be lumped in with Defense
    - Patti also gave Congressional testimony last week, which had a great response, and she thanked NLM staff for their work to support the testimony
- Dan Cho for MeSH
    - Have teamed up with NCBI taxonomy and have introduced their entire set of data into MeSH – turning all the terms they have into MeSH terms so they are discoverable
        - Set up as SCRs (Supplemental Concept Record)
        - With the inclusion of data related to bacteria, SCR has now grown 7%, and still have other kingdoms to incorporate
        - Supports Objective 1.1 – connecting NLM resources
- Valerie for NCBI
    - MEDLINE2020 group met a few weeks ago to look at the relationship of the gene database and indexing, as well as the progress on GeneRIFs (Gene Reference into Function)
        - Report from Jian Liu and staff on the indexing side who are looking into automating this process
        - Now discussions of programmatically pulling in relationships between genes and literature
    - Making sure that there will be engagement with users
- Rex for OCCS
    - IT assessment teams have been working hard to figure out ways to measure and quantify the accomplishments of NLM products
    - Have run into an impasse with the ways in which offerings have been described because they are no longer technical
        - No longer good alignment between IT assessment and offerings
        - There's a thought that those descriptions can be translated to map the component technologies (e.g. webpages) to offerings, but right now there's a disconnect
- Anne for OCPL

    - Noted that Patti has a talk coming up, which will be a retrospective on how the Library has successfully implemented the strategic plan, at the Charleston Publisher's Conference at the end of October/early November
    - The Tour program will be undergoing enhancements and updates with new information
        - Tara Mowery has had great numbers of people coming through
        - Need to highlight current research projects, people, and the new NLM vision
        - Doing a refresh now and would like thoughts and input on elements of divisions that should be featured
        - Jody noted that as new staff come on, part of their orientation should be a tour
        - Dan added that visitors could be given a business card with the pillars of the strategic plan when they tour
- Marie Gallagher for LHC
    - Have been participating in the IT Assessment Effort
    - Related to the third pillar, Marie got to participate in the Data Science Fundamentals class
        - She noted that in order to utilize the data science software and tools, trainees would need to use their own machines because of restrictions around what software can be downloaded
        - Mike asked Rex whether OCCS can set up machines that have the required data science tools (e.g. Jupyter notebooks) pre-installed for people who want to get training – developer desktops
    - Mike suggested that it would be useful for people who have data science skills that they aren't using for their jobs to put their skills into the Job Jar so they can put those skills to use
        - Right now, people who have ideas for projects can put those projects in, but the reverse isn't true
- Anatoly for NCBI
    - In October, PubMed 2.0 will go live, which will be the beginning of the transition for the whole PubMed, which should be complete by April 2020
        - Right now, PubMed Labs is undergoing rigorous testing to prepare for the transition later this month
- Jody for OCPL
    - Related to goal 2, will have the first trans-NLM social media working group to understand how we can cross-promote messages
        - How we're using social media, what kinds of accounts exist
        - Talk about metrics
    - After Patti's testimony on Wednesday, realized it would be nice to have one central place to go with talking points and updated statistics – now working on this
        - Right now, sources of information are the CJ, the strategic plan, Patti's testimony and FAQs, blogs, and presentations
        - Will then go out and interview people
- Rebecca for HMD

    - HMD opened a new exhibition in the HMD Reading Room on the first floor called *World Health Organization: Picturing Health for All*
        - Features a selection of images from the NLM Prints & Photographs collection of WHO photographs that highlight some of WHO's work in the 20th century
    - Thursday, October 10th have the next in the HMD Lecture with Ted Brown to talk about WHO's declaration from 1978
        - Being held in memory of Dr. James H. Cassedy
        - Will be in LHC Auditorium at 10am
    - Relaunched Pofiles in Science on Monday, profiles.nlm.nih.gov
        - Now integrated with the digital repository and are able to provide images and documents in new ways to people
- Karen Nimerick for LO
    - Had a nice exchange with SIS folks who joined the staff
        - Provided presentations on their respective products
        - HFTB and ToxNet will be integrated with PubChem, PubMed, and Bookshelf
            - Should finish work by end of December
    - DATMM project is making good progress and are working to finalize the data model
- Alicia Ross for EP
    - As of September 24th, awarded $55 million of NLM's funds and $16 million from co-funding
        - 67 new awards, 120 non-competing awards, and 5 supplements
    - Building priorities for FY2020

Marie
Dan
Rex

From: Pruitt, Kim (NIH/NLM/NCBI) [E]
Sent: 7 Oct 2019 17:54:06 +0000
To: Ostell, Jim (NIH/NLM/NCBI) [E];Backus, Joyce (NIH/NLM) [E]
Subject: RE: SIS/NCBI proposals

Agreed. We'll need to meet and revisit this topic and end goals.

Kim

From: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>
Sent: Monday, October 07, 2019 10:14 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Reducing the folks on this exchange..

I think there is a reason this fell apart.. the March proposal was not very specific at all about staff, price, who delivered what, or how it would really be organized. I think it was more along the lines of "give PubChem the SIS staff and contracts and we'll figure out how to make it work". While I don't doubt that Evan will do something with those resources, it is not at all clear to me if 1) he understands the contract structure and what he can or cannot do with it, 2) if LO or NCBI have a clear idea of what they'll get in the end.

So, we have to decide how hands on we want to be on this, and also have a clearer idea what you and we are willing to accept. So, I would suggest that only we 3 have a frank chat before we pull in other people again.

Jim

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Monday, October 7, 2019 10:05 AM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

I had thought the last outcome of our discussion was for the group, led by Evan, to come up with an alternative to the March proposal. We had a lot of questions about the proposal. But Florence Chang was here at that point to work on it, of course.

I think we need to get this discussion going again. Shall I schedule?

Joyce

From: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>
Sent: Monday, September 30, 2019 4:08 PM

To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Attached is the last proposal I got from Evan Bolton. It was in March 2019.

In the email Evan said that this "had been approved by Florence", but that there was more discussion ongoing and he'd get back to us. I assume that if Florence had been involved in writing it, that you had seen it too.. but maybe not.

Following this was in internal email discussion include Evan, Kim, and I, where I asking about clarification on contracting and personnel.. that is things like is the proposal to use the existing contractors to build some new system? Had the new system been designed? Would the existing contractor be the best to build this system or should it be bid out? Were the SIS staff moving to NCBI? Being 100% detailed to this? What about the contract indexing support? Same questions.. would it be the same people, the same contractors, if the process would be different? If all of this was going to be unified under PubChem, why was David Gillikin running it? Was his role purely administrative or was there some oversight of staff or project?

It sounded like it hadn't been completely worked out.. then discussion seems to have dropped on our side.

Unless Kim or you know more?

Jim

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Monday, September 30, 2019 3:13 PM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Jim, Kim,
I had thought the outcome of our March 22 meeting is that we would get an alternative proposal to the ones we discussed. David Gillikin met with Evan and he indicated he wasn't working on a new proposal. I think this lost momentum with Florence's retirement, perhaps.

I do think PubChem should be the future of chemical information at NLM, but we may need to discuss what that looks like.

Joyce

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Thursday, March 14, 2019 11:11 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>

Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

I appreciate that there is overlap in activities, and also that this suggestion includes a number of changes of direction for both specific staff members and also for the existing contracts. I also know a lot is up in the air about the future of MeSH, it's application to retrieval, and the relative roles of machine data extraction and human curation.. so a lot of fluidity around the whole activity. I wouldn't be surprised if a solution that seemed like a good fit last year or this year or next year might seem like a less good fit in three years as all this develops.. so I think LO, NCBI, LHC, OCCS will need to work together on all this in a flexible, collegial, and probably evolving way.

That said, adopting all or parts of these two proposals does mean we need to agree on some decisions about the scope of contract renewals, and the focus of staff member efforts no matter where they sit. So perhaps the next step is to try and get concrete about that, and map out a timeline over the next year with the milestones that we have to meet in order to move in this direction.

My understanding here, so correct me if I'm wrong, is that you like the overall directions in these proposals, and would like to move ahead with implementation generally, and that we are now only discussing specifics like timing, goals, and staff assignments.

Jim

From: Backus, Joyce (NIH/NLM) [E]
Sent: Wednesday, March 13, 2019 5:20 PM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Thanks, Jim. We haven't gotten to the decisions for each individual SIS staff member and matching them with the effort needed for the offerings that will continue. The plan is to have the chem/tox expertise in the same unit as the MeSH chemical expertise and drug info as there will be synergies there. We were, of course, intending to support key offerings that we concur need to continue.

I recommend we continue with the plan to move the SIS staff to LO and OCCS and work to ensure the staff and products are sufficiently supported and work together.

Joyce

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 13, 2019 11:43 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C]

<stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

In terms of personnel,

"I do expect that the SIS staff and the SIS content staff and any contractors needed to maintain the information needed going forward will be part of LO, BSD. We'll have to be sure to set up structures to ensure efficient and effective work."

Was certainly the plan developed at the NLM and toward which people have been working the last year.

If those folks, as well as the contract support, will remain in LO, but we will otherwise adopt some of Evan's proposal, then this will, indeed, require regular and careful coordination. That will probably require some face to face discussion, but to start, it might be good to share assumptions. Obviously moving those people into NCBI as Evan suggests, would imply they work 100% on the ToxNet aspects of PubChem. If they remain in LO, would it be under the same assumption of 100% time? If not, then what were your assumptions about the time they would have available for ToxNet aspects of PubChem? That might help set some realistic expectations here.

Jim

From: Backus, Joyce (NIH/NLM) [E]
Sent: Wednesday, March 13, 2019 9:00 AM
To: Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Evan,
Thanks for the quick clarifications on the proposed organizational, software and advisory structure of the document. Clearly a lot to consider as far as cost, meeting the goals of the strategic plan and procurement and government advisory rules and regulations.

I do expect that the SIS staff and the SIS content staff and any contractors needed to maintain the information needed going forward will be part of LO, BSD. We'll have to be sure to set up structures to ensure efficient and effective work.

Joyce

From: Bolton, Evan (NIH/NLM/NCBI) [E]
Sent: Wednesday, March 13, 2019 8:24 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C]

<stacy.lathrop@nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Joyce,

Here are some quick answers to your questions.

Evan

--

Re: Proposed Management Structure
This proposal envisions the five personnel from the SIS HSDB/ChemID teams (including Hakkinen, Goshorn, and Hochstein) would be moved into the NCBI Chemistry Data Service Division as opposed to LO. While not explicitly stated, a ToxNet line of business would be created therein to house the HSDB and ChemID data generation projects. This would put ChemID/HSDB teams in lockstep with the PubChem teams and provide a very tight organizational integration of the workflows between the three projects.

RE: Phase 2
It is believed that no matter where HSDB/ChemID ends up one or both of the workflow management software packages will need to be 'reimagined'. The proposal would simplify the workflow. If ChemID/HSDB are merged into the NCBI Chemistry, NCBI would build this system as a workflow extension to the existing PubChem Upload system.

Re: SAC vs. SRP
Yes, the SAC replaces the SRP. Essentially, the SRP meets twice a year for three days at a time and peer reviews each added/modified record in HSDB (a very slow process involving a lot of prework prior to a meeting). Instead, the SAC would advise HSDB on the prioritization of data sources and data types that should be added to HSDB and help HSDB perfect the content and form needed to expand the utility and impact of the HSDB content. The SAC would be made up of community representatives/stakeholders knowledgeable in their respective fields and in the content, the workflows and the end-user use cases they represent. It would be organized much like any advisory committee with a chair and members. The SAC is envisioned to meet virtually and in person by collocating at key conferences. The exception to this would be the first SAC meeting where the thought is to have a one day meeting at NIH to complete the transition from the SRP and orient the SAC to get it started/oriented on good footing.

--
Evan Bolton
301-451-1811

From: Backus, Joyce (NIH/NLM) [E]
Sent: Tuesday, March 12, 2019 5:58 PM
To: Ostell, Jim (NIH/NLM/NCBI) [E] <ostell@ncbi.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>; Gillikin,

David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: RE: SIS/NCBI proposals

Just took a quick scan of these and am already impressed with the time, effort and thoughtful work that went into making these recommendations.

I have a few initial questions that might be answered by email or in a discussion we could schedule later this month.

The HSDB/PubChem/ChemID integration ends with this recommendation,
"Proposed Management Structure - Having the three project teams in one organization will be optimal."
Since the SIS staff named, Hakkinen, Goshorn, and Hochstein will be based in Library Operations, is LO the "one organization?" What are the "three project teams" envisioned?

In "Phase 2" a system is discussed. Will NCBI build that system? OCCS?

Does the Scientific Advisory Committee (SAC) replace the Scientific Review Panel (SRP). How would the SAC differ and how would it be organized?

I'm sure I'll have more questions after we review these proposals more thoroughly.

These proposals are a terrific step in providing sustained support for chemical information and publications for Books.

Joyce

From: Ostell, Jim (NIH/NLM/NCBI) [E]
Sent: Tuesday, March 12, 2019 4:25 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; D'Souza, Ivor (NIH/NLM) [E] <ivor@nih.gov>; Chang, Florence (NIH/NLM) [E] <changf@mail.nlm.nih.gov>
Cc: Pruitt, Kim (NIH/NLM/NCBI) [E] <pruitt@ncbi.nlm.nih.gov>; Lathrop, Stacy (NIH/NLM/NCBI) [C] <stacy.lathrop@nih.gov>; Bolton, Evan (NIH/NLM/NCBI) [E] <bolton@ncbi.nlm.nih.gov>
Subject: SIS/NCBI proposals

Joyce, Ivor, Florence,

Attached are two proposals from NCBI about the suggested changes to the ToxNet dataflows for the end state after the transition. My understanding is that the authors, Stacy and Evan, have discussed these with Florence and her team, but I don't think we've really talked about this yet in our bigger group of affected divisions.

I think it's important for all of us to look these over, and see if this looks like a promising and reasonable direction to you all. Obviously there are plenty of details to still be worked out, but we didn't want to spend more time on it unless it looked like the direction you all wanted to go.

Jim

James M. Ostell, Ph.D.
Director
National Center for Biotechnology Information, NLM, NIH
NIH Distinguished Investigator
Bldg 38A, Rm 8N807
8600 Rockville Pike
Bethesda, MD 20894

From: Bryanne Reynolds
Sent: 7 Oct 2019 19:04:16 +0000
To: Carolyn Kurowski;Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Lockett-Jordan, Deborah (NIH/NLM) [E];Reynolds, Bryanne (NIH/NLM) [C];Ma, Wei (NIH/NLM) [E]
Subject: Steering Group Meeting Notes 10-7-19
Attachments: Steering Group_Notes_10.7.19.docx, NLM Offering Status as of 10-7-19.xlsx

Hi all,

It was great to see/meet most of you in person today. I've attached notes from this morning's steering group meeting as well as the updated Products Spreadsheet.

Please let me know if you have any additional comments or updates to this spreadsheet. We will not be meeting next week due to the holiday. Enjoy the long weekend!

Thanks,
Bryanne

Bryanne Cordeiro Reynolds, Ph.D.
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From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Date: Friday, October 4, 2019 at 5:04 AM
To: "Backus, Joyce (NIH/NLM) [E]" <backusj@mail.nlm.nih.gov>, "Babski, Dianne (NIH/NLM) [E]" <babskid@mail.nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>, "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>, "Wilson, Amanda (NIH/NLM) [E]" <amanda.wilson@nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Lockett-Jordan, Deborah (NIH/NLM) [E]" <dlovelace@mail.nih.gov>, "Reynolds, Bryanne (NIH/NLM) [C]" <bryanne.reynolds@nih.gov>, Bryanne Reynolds <Breynolds@fmpconsulting.com>, "Ma, Wei (NIH/NLM) [E]" <maw@mail.nlm.nih.gov>
Subject: RE: Steering Group

Good morning everyone,

The following is our agenda for Monday. I will be on vacation next week so Bryanne will be facilitating the discussion on Monday.

Review the status of transitioning SIS products

- What is the current plan (dates and activities)?
- What assistance is needed/requested?
- Does the team need a decision to move forward?
- Do team members need to coordinate on some aspect of the plan (technology, communication, research)?

The following is the list we last discussed in August. If you have a more up to date document you would like to review during the meeting please. Let Bryanne know.

	Offering Name	Notes re: Status
1	Disaster Information Mgt Research Center (DIMRC) website	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program and create a brie proposed focus and present to Patti.
2	Chemical Hazards Emergency Medical Management (CHEMM)	
3	Radiation Emergency Medical Mgt. (REMM)	
4	Wireless Information System for Emergency Responders (WISER)	
5	NIH Disaster Research Response Program (DR2)	
6	Disaster Lit: Database for Disaster Medicine and Public Health	
7	ChemIDplus	Evaluate – David G will include with other Tox Products, and work closely with OCCS given technol required to rebuild? Data needed to make decision (no documentation; knowledgeable contractor Can we get the product information sheet with the product dependencies? Need to determine wh systems.
8	Data Discovery	Treat as a project not a product. David will manage with David Hale. Funding has been provided o funds); not in BSD budget. David G will ask David H for a report.
9	Dietary Supplement Ingredient Database	Transfer to another organization or sunset; **Question**: Allowed to archive or not? Jeanne will conti announcement has been published in the Technical Bulletin about the transfer.
10	Dietary Supplement Label Database	
11	Household Products Database	Review: If this goes away, what are the implications? Jeanne will work with Collette to complete by responsible for Household Products? Bert is the current COR (Lucie Chen had been the COR previo the ChemTox suite. David G: it will go to the end of the review list. Wei: no known IT vulnerability servers – so if the server goes down, it would affect Household Products Database.
12	LiverTox	No review needed. Signed agreement with Bookshelf; NIDDK will manage; LO will no longer be re
13	Pillbox	Transfer to another organization or sunset; Archive data set. David (or Jeanne) will work with David Hale to move forward. Sunset by Dec 15th. David: commun about Pillbox sunsetting. Joyce: David H will write a two-page document to Joyce about the continu
14	Tox Town	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by D
15	Tox Tutor	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by D

Thanks,

Carolyn Kurowski
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From: Banh, Philip (NIH/NLM) [C] <philip.banh@nih.gov> **On Behalf Of** Backus, Joyce (NIH/NLM) [E]
Sent: Monday, September 30, 2019 11:33 AM
To: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>; Carolyn Kurowski <CKurowski@fmpconsulting.com>; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>
Subject: Steering Group

[EXTERNAL]

Steering Group

Monday, October 7, 2019
9:30 am | Eastern Daylight Time (New York, GMT-04:00) | 45 mins

Meeting number (access code): Passcode

Host key: Passcode

Meeting password: ph2PyAHM

Start meeting

Join from a video system or application

Dial Passcode@nih.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

Join by phone

Tap to call in from a mobile device (attendees only)

1-650-479-3208 Call-in toll number (US/Canada)

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AGENDA 10/7/2019

Review the status of transitioning SIS products

- What is the current plan (dates and activities)?
- What assistance is needed/requested?
- Does the team need a decision to move forward?
- Do team members need to coordinate on some aspect of the plan (technology, communication, research)?

Participants: Grace (phone), Bryanne, Debbie, Wei, Joyce, Dianne, Stacey, David, Jeanne

Notes:

- Item #1: Wei mentioned that Laura asked her to update American Indian and Arctic Health systems, but she thought those were sunsetting. Grace confirmed that both of these sunsets have been approved and communicated.
    - Grace emailed Laura letting her know her next steps in the sunsetting process and letting her know that she owns the process now that sunsetting has been approved
    - Stacey will also follow-up with Laura
    - This led to a larger conversation around how communications around sunset decisions are made and who is notified. If only the person who initiated is communicated with, this can be problematic (the person could miss the e-mail or may no longer be with the organization). Joyce and Wei to follow-up to discuss automatic communications
    - American Indian and Arctic Health will be sunset December 16th; notices will go up ASAP; no updates will be made to the site; the web team will do the archiving

- Item #2 : David mentioned that the SIS site will need to be sunset and asked who owns this? The PSD web team and Collette will take care of this

- Item #3: We made updates to the Product spreadsheet
    - See spreadsheet for specific updates
    - In addition, David requested talking points for staff about why we are sunsetting things and how to help them understand the new direction and where resources will go instead.

- There will be no meeting next week due to the holiday on Monday.

	Offering Name	Notes re: Status
1	Disaster Information Mgt Research Center (DIMRC) website	Joyce and Stacey will meet to discuss how to narrow the focus of Disaster program and create a brief document by to describe proposed focus and present to Patti. **UPDATE 10/7:** Action Item: waiting on text from Carolyn. Does she need any input? Carolyn can call Stacey with questions. Text will be around NLM's current focus versus what no longer doing
2	Chemical Hazards Emergency Medical Management (CHEMM)	**UPDATE 10/7: CHEMM is a little up in the air, retaining for right now, might move later. Good for FY20 and have $. Need FY20 date to make decision with HHS--earlier rather than later (November?); believe in NLM's direction to not host CHEMM (but NLM $ in there, linked in WISER app)** Action Item: need timeline of actions and need to make internal decision on direction first
3	Radiation Emergency Medical Mgt. (REMM)	**UPDATE 10/7: REMM is a little up in the air, retaining for right now, might move later. Good for FY20 and have $. Need FY20 date to make decision with HHS--earlier rather than later (November?); Was Florence and Bert; believe in NLM's direction to not host REMM** Action Item: need timeline of actions and need to make internal decision on direction first
4	Wireless Information System for Emergency Responders (WISER)	
5	NIH Disaster Research Response Program	Action Item: need timeline of actions and need to make internal decision on direction first
6	Disaster Lit: Database for Disaster Medicine and Public Health	
7	ChemIDplus	Evaluate – David G will include with other Tox Products, and work closely with OCCS given technology issues. What would be required to rebuild? Data needed to make decision (no documentation; knowledgeable contractor re-assigned; no longer available). Can we get the product information sheet with the product dependencies? Need to determine which contracts cover which systems. **UPDATE 10/7: Issues being identified by OCCS. Huge cost implications for Oracle database just to keep going. Probably need to support until PubChem is the full presentation system (FY20 goal). Long term, costs will continue to increase (maintain Oracle and build new systm to transfer to differnt database and platform).** Next Step: full cost estimate that Wei is developing to keep Oracle going (discuss between OCCS and LO)
8	Data Discovery	Treat as a project not a product. David will manage with David Hale. Funding has been provided on a year-to-year basis (additional funds); not in BSD budget. David G will ask David H for a report by or before February 1. **UPDATE 10/7: Project started to provide product information and usage data. Also testing how this product could support NCBI codeathons; working with Allissa Dillman (NCBI) to see if this is useful for the data display, visualization and API functions.** **Next Step: David H. working on report by February 1, prior to Socrata license expiration in March or April, to deterime if Data Discovery is viable (very manual system), identify technical specs, and cost.**
9	Dietary Supplement Ingredient Database	Transfer to another organization or sunset; **Question**: Allowed to archive or not? Jeanne will continue to move forward. An announcement has been published in the Technical Bulletin about the transfer.
10	Dietary Supplement Label Database	**UPDATE 10/7: waiting for ODS (they were hoping in October/November); then will put**
11	Household Products Database	Review: If this goes away, what are the implications? Jeanne will work with Collette to complete by Dec 15th. David G: who is responsible for Household Products? Bert is the current COR (Lucie Chen had been the COR previously). Joyce: it needs to go into the ChemTox suite. David G: it will go to the end of the review list. Wei: no known IT vulnerability. Is it attached to the TOXNET servers – so if the server goes down, it would affect Household Products Database. **UPDATE 10/7: world in 2020 is different than in 1995, can now get this information on a particular product on the internet (google) and other sources (e.g., doctor's office, etc). Is it worth it? Concerns about maintenance since only has 21,000 products or if formulation changes; not that expensive; should sunset based on the fact that can now get this information in other places but couldn't when this was started; Propose that we sunset; Bert is COR; David needs communication message**
12	LiverTox	No review needed. Signed agreement with Bookshelf; NIDDK will manage; LO will no longer be responsible.
13	Pillbox	Transfer to another organization or sunset; Archive data set. David (or Jeanne) will work with David Hale to move forward. Sunset by Dec 15th. David: communication needs to go out to staff about Pillbox sunsetting. Joyce: David H will write a two-page document to Joyce about the continuation of Pillbox. **UPDATE: Hale working on 2 page summary for Backus; need a deadline for this.** **Next Steps: Still need the communciation to go out to staff before sunset data and expectation can be set.**

14	Tox Town	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Dec 15th. **UPDATE: Questions from NIEHS sent to OET. BSD now has OET POC to send questions to.**
15	Tox Tutor	Review: If this goes away, what are the implications? Amanda will work with Alla to complete by Dec 15th. **UPDATE: Questions from NIEHS sent to OET. BSD now has OET POC to send questions to.**
16	HSDB	**UPDATE: Potential security issues have been identified and OCCS does not have current resources to launch full investigation. Workflow - knowledge of the full HSDB workflow is gone when staff left last fall.** **Next Steps: David developing summary about HSDB issues; cost exorbitant; will be recommendation to sunset. David will set up meeting with Joyce and Dianne to discuss**
17	Drug Information Portal	**UPDATE: Domino effect on this system based on ToxNet sunset. Users will be presented with broken links. Not known if OCCS has resources to fix issues to retain site.**

From: Backus, Joyce (NIH/NLM) [E]
Sent: 22 Oct 2019 19:54:41 +0000
To: Gillikin, David (NIH/NLM) [E]
Cc: Babski, Dianne (NIH/NLM) [E]
Subject: Ratification_Haz-Map-Draft.docx
Attachments: Ratification_Haz-Map-Draft.docx

David,
Thanks for sending for review. I made some suggestions in the attached version. I think you can start the signatures.

Joyce

Unauthorized Commitment Action/Ratification Request

Date: **October 22, 2019**

From: **David Gillikin, Chief, Bibliographic Services Division/Library Operations**

Through: **Joyce Backus, Associate Director for Library Operations, NLM**

Through: **Daniel Hartinger, Director, Office of Acquisitions, NLM**

To: **Diane Frasier, Head of Contracting Activity, NIH**

Subject: **Request of Unauthorized Commitment Ratification pursuant to FAR 1.602-3, HHSAR 301.602-3, and HHS Acquisition Alert 2017-02.**

The following information is provided by the individual responsible for creating the subject unauthorized commitment to support a request for ratification.

1. **Name, address, telephone number, and email address, of Government official who created the unauthorized commitment.**

   David Gillikin
   National Institutes of Health
   National Library of Medicine
   Library Operations
   Bibliographic Services Division
   8600 Rockville Pike
   4N419 Bldg. 38A
   Bethesda, MD 20894
   301-827-5034

2. **Name, address, telephone number, email address and/or URL (if available) of the vendor.**

   Jay A. Brown, MD, MPH
   6216 Coho Ln NE
   Olympia, WA 98506
   360-628-8569
   brownjay@haz-map.com

3. **Description of goods, services, or equipment acquired:**

   Chemical and toxicological data about hazardous substances were retained on the NLM website Haz-Map after the license for the data expired. The period of time for the retention of the content is August 1, 2019 – December 31, 2019.

   The total amount for the unauthorized commitment is $16,041 ($3,208.20 per month for 5 months).

4. **Description of benefit received by the Government (include / attach a properly executed Inspection Report or Receiving Report (Receipt, Inspection, and Acceptance) issued in accordance with FAR 32.905 (c) .**

   NLM continued to provide the Haz-Map chemical and toxicology information to our end-users and our federal colleagues for a transition period before the Haz-Map site would be retired. This time period would allow users to be notified about the planned retirement of Haz-map, giving them time to identify other federal or commercial resources for this content.

5. **Explanation of how Contractor was selected. If other vendors were contacted, indicate their names and prices quoted (attach separate pages if necessary or document on Quotation Abstract form).**

   The contract with Jay Brown for the Haz-Map data was already in place. The period of performance for the contract ended on July 31, 2019 without the option year being exercised.

6. **Document the basis for determining the price fair and reasonable in accordance with FAR 13.106-3 (a) and/or FAR 15.402. Program staff should consult with contracting officer when addressing this element. (FAR 1.602-3 (c) (4)).**

   The annual contract cost for Haz-Map content is $38,500. The monthly cost is $3,208.20. The cost for the time period of August 1, 2019 – December 31, 2019 is $16,041 for 5 months.

7. **Explain, in detail, how the unauthorized commitment occurred and why normal procurement procedures were not followed (FAR 1.602-3 (b) (1)).**

   During the first 6 months of 2019, work was under way to merge the Division of Specialized Information Services (SIS) staff and products into Library Operations (LO). Several contract actions overseen by the Acting Director of SIS were not handled ~~in an appropriate or timely manner~~before her retirment. This included the contract actions for the ToxNet product called Haz-Map. This product ~~would~~ was~~be~~ transferred to the Bibliographic Services Division (BSD) within Library Operations on June 24, 2019.

   The period of performance for the SIS product, Haz-Map, ended on July 31, 2019. The work to initiate the option year had not been undertaken by the Acting Director or by the COR for the contract prior to the merger of SIS into LO in June or the retirement of the Acting Director in June 2019. In addition, though a sunset plan for Haz-Map had been written, no actions had been pursued by former SIS staff to retire the Haz-Map product by July 31, 2019.

   The Haz-Map COR notified his new supervisor, the Chief of the Bibliographic Services Division, on July 31 that the contract was closing on July 31. No work on the option year renewal or on the retirement process had been implemented. No announcements had been made to the public or to the Haz-M~~N~~ap content vendor, Jay Brown. In addition, no work had been done with OCCS to determine how to take down the Haz-Map product from the ToxNet system. The Haz-Map product is integrated into the ToxNet search system and

removing this content would not be a simple process. The ToxNet search system ~~i~~was scheduled to be retired in December 2019.

Users were not aware of the potential retirement of Haz-Map. The sudden removal of this content would not be in the best interests of NLM or our users.

In order to better serve NLM end-users and colleagues in other federals agencies, such as the Occupational Health and Safety Agency in the Department of Labor, the decision was made to retain the Haz-Map content on the ToxNet system until December 2019 when the ToxNet system ~~would~~ will be retired.

8. **Describe any other special circumstances (e.g. employee creating the unauthorized commitment has left NIH) or procedures, including clearances (e.g. Special Clearance and Other Acquisition Procedures or Preparation and Clearance of Scientific, Technical, and Public Information Presented by NIH Employees or Produced for Distribution by NIH, etc.) (FAR 1.602-3 (b) (7)).**

   The merger of SIS into LO, and the retirements of the Acting Director and Assistant Acting Director of SIS in June 2019 introduced administrative and managerial issues for the areas of Library Operations into which the SIS staff and products were moved. Other key staff, such as contract CORs, also retired or left SIS during the first half of 2019. This has left Library Operations staff with gaps in knowledge about SIS budget and contractual issues that are still being uncovered.

9. **Describe, in detail, the proper procedure(s) that should have been followed (FAR 1.602-3 (b) (1)).**

   The Division of Specialized Information Services should have initiated the actions to exercise the contract option In the Spring of 2019 in order to award the option year for the Haz-Map data by July 31, 2019.

   Alternatively, the sunset plan for retiring the Haz-Map product should have been started May 2019 in order to provide users with advanced knowledge of the retirement of the site. The vendor should also have been told that the contract option year would not be awarded. All of this information should have been provided to the Bibliographic Services Division prior to the Haz-Map content being transferred.

10. **List all steps taken by Institute, Center or Office (ICO) management, cognizant Office of Acquisition, Delegated Office of Acquisition, and/or Governmentwide Commercial Purchase Card holder to prevent reoccurrence of future unauthorized commitments (FAR 1.602-3 (b) (1)).**

    Review and documentation of the contracts and period of performances of the SIS products transferred from SIS to the Bibliographic Services Division (BSD) has been performed. BSD has set up a Sunset Team to more fully document and complete the sunsetting activities associated with the 14 SIS products that compose the ToxNet search system. Some of these products are being merged into other NLM databases, while others are being fully retired. The sunset plans include a communication strategy that has been developed with the NLM Office of Communications and Public Liaison.

_____ _____
Signature of Government Official Who Created the Unauthorized Commitment Date

_____ _____
Signature of Supervisor of the Government Official
Who Created the Unauthorized Commitment Date

Budget Officer Certification:

By my signature below, I hereby certify that Fiscal Year(s)_____ funds in the amount of $_____ were available at the time this unauthorized commitment was created and such funds remain available for disbursement to resolve this unauthorized commitment, should it be ratified.

_____ _____
Signature of ICO Budget Officer Date

_____ _____
Signature of ICO Chief Administrative Officer Date

_____ _____
Signature of ICO Executive Officer (Required when transaction exceeds $25,000) Date

Contracting Officer Certification:

By signing below, I certify:

- The services were provided to and accepted by the Government thus the Government received a benefit;
- The resulting contract would otherwise have been proper if made by an appropriate Contracting Officer;
- The price of the unauthorized commitment has been determined fair and reasonable;
- The funds were available at the time the authorized commitment was created and remain available;
- The ratification is in accordance with any other agency procedures; and
- Payment is recommended to [Vendor] using Fiscal Year(s) [_____] funds in the amount of, [$0.00].

_____ _____

Signature of the Contracting Officer Date

_____ _____

Signature of Director, Office of Acquisition, [Institute or Office] Date

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 23 Oct 2019 10:01:41 -0400
To: Gillikin, David (NIH/NLM) [E];Hochstein, Colette (NIH/NLM) [E];Jain, Sanjay (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Thomas, Phillip (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Subject: ATTENTION: NLM SUNSETTING REQUEST APPROVED

ATTENTION: The following Sunsetting Request has been **APPROVED**.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	Gene-TOX
Description	GENE-TOX provides genetic toxicology (mutagenicity) test data from expert peer review of open scientific literature for more than 3,000 chemicals from the United States Environmental Protection Agency (EPA). GENE-TOX was established to select assay systems for evaluation, review data in the scientific literature, and recommend proper testing protocols and evaluation procedures for these systems. This database was originally supported on TOXNET by EPA and covers the years 1991 - 1998. It is no longer updated or supported by EPA.
Document(s) Supporting Justification	Gene tox sunset submission.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Colette Hochstein Sanjay Jain

	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	The Gene-TOX database on TOXNET will be retired on December 1, 2019, or when the current TOXNET Web site is taken down.
Date the Message will be Sent	06/19/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP Other: FTP-archived resources site
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Environmental Protection Database (EPA)

Communicated Message	The Gene-TOX database on TOXNET will be retired on December 1, 2019, or when the current TOXNET Web site is taken down. Information from it may be available from EPA on their NSCEP publications database. or from the National Technical Information Service (NTIS).
Date the Message will be Sent	08/02/2019
Communication Channel(s)	Technical Bulletin Social Media Emails
Communication Frequency	Weekly Monthly
Retained Content	FTP Other: FTP archived NLM resources site
Page Redirected	No
Additional Information	---

Request Information	
Request ID	301
Task ID	521
Request Status	Approved

Created By	Jeanne Goshorn
Date Created	06/19/2019 05:01 p.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 23 Oct 2019 10:02:10 -0400
To: Chang, Florence (NIH/NLM) [V];Gillikin, David (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Thomas, Phillip (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Subject: ATTENTION: NLM SUNSETTING REQUEST APPROVED

ATTENTION: The following Sunsetting Request has been **APPROVED**.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	DART (Developmental and Reproductive Toxicology)
Description	The Developmental and Reproductive Toxicology database (DART) is a TOXNET database that provides more than 400,000 journal references covering teratology and other aspects of developmental and reproductive toxicology. DART was initially funded by the U.S. Environmental Protection Agency, the National Institute of Environmental Health Sciences, the National Center for Toxicological Research of the Food and Drug Administration, and NLM. The DART database covers teratology and other aspects of developmental and reproductive toxicology with references to literature published since the early 1900s. The DART database, like TOXLINE, contains MEDLINE/PubMed references related to this subject. A search strategy has been used with PubMed to create the basic core of DART by pulling records in to the TOXNET database, which also includes references not included in MEDLINE/PubMed, such as meeting abstracts, books, technical reports, and journals originally not indexed for or available in MEDLINE.
Document(s) Supporting Justification	DART justification.docx
Justification	No longer aligned with NLM priorities or mission needs Cost in relation to value

Retirement Date	12/01/2019
Organization	DSIS
Key Staff Involved	Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	David Gillikin
Communicated Message	Part of the TOXNET transition to NCBI involves retiring DART on TOXNET and directing users to the DART[subset} on PubMed.
Date the Message will be Sent	07/15/2019
Communication Channel(s)	Emails Information delivered at staff meetings
Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	Users who license DART and get it in xml from our FTP site online users

Communicated Message	DART will be retired on 1 December 2019. The DART[subset} will be available on PubMed, and the older archived part of DART will be available on the FTP site.
Date the Message will be Sent	07/15/2019
Communication Channel(s)	Technical Bulletin Newsletter
Communication Frequency	One time message
Retained Content	FTP Other: DART[subset] of PubMed
Page Redirected	No
Additional Information	The page will be redirected to the TOXNET transition URL when it is determined what that URL will be.

Request Information	
Request ID	281
Task ID	342
Request Status	Approved
Created By	Jeanne Goshorn
Date Created	06/17/2019 10:17 a.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 23 Oct 2019 10:02:34 -0400
To: Chang, Florence (NIH/NLM) [V];Ahmed, Terry (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Hochstein, Colette (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E]
Subject: ATTENTION: NLM SUNSETTING REQUEST APPROVED

ATTENTION: The following Sunsetting Request has been **APPROVED**.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	TOXNET Toxics Release Inventory (TRI)
Description	The Toxics Release Inventory (TRI), a resource of the U.S. Environmental Protection Agency, is a set of publicly available databases containing information on releases of specific toxic chemicals and their management as waste, as reported annually by U.S. industrial and federal facilities. This inventory was established under the Emergency Planning and Community Right to Know Act of 1986 (EPCRA). TRI's data, beginning with the 1987 reporting year, covers air, water, land, and underground injection releases, as well as transfers to waste sites. In agreement with the Pollution Prevention Act of 1990, source reduction and recycling data is also included in TRI. The Toxicology and Environmental Health Information Program (TEHIP) in the Division of Specialized Information Services (SIS) of the National Library of Medicine (NLM) has provided access to TRI as part of its TOXNET® (TOXicology Data NETwork) databases, which cover toxicology, hazardous chemicals, environmental health and related areas.
Document(s) Supporting Justification	TOXNET TRI Sunsetting.docx
Justification	Obsolescence / Better products have come along, whether from NLM or another group

	No longer aligned with NLM priorities or mission needs
Retirement Date	12/31/2019
Organization	DSIS
Key Staff Involved	Colette Hochstein Jeanne Goshorn Hua Chang David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen Jeanne Goshorn Hua Chang David Gillikin Terry Ahmed
Communicated Message	TOXNET TRI has helped users explore data from the EPA's Toxics Release Inventory (TRI). It will be retired at the end of FY2019. The US EPA now provides several products that provide similar functionality and information.
Date the Message will be Sent	11/25/2019
Communication Channel(s)	Emails Information delivered at staff meetings Other: GovD messages
Retained Content	Other:

	Information/data is available on the EPA site https://www.epa.gov/tri
Additional Information	Information/data is available on the EPA site https://www.epa.gov/tri

External Communication Plan	
External Stakeholders to be Informed	NNLM/Network staff and core set of dedicated users from the Public Health and Toxicology Communities. EPA TRI staff.
Communicated Message	TOXNET TRI has helped users explore data from the EPA's Toxics Release Inventory (TRI). It will be retired at the end of FY2019. The US EPA now provides several products that provide similar functionality and information.
Date the Message will be Sent	11/29/2019
Communication Channel(s)	Technical Bulletin Emails Other: GovD delivery messages.
Communication Frequency	Weekly
Retained Content	Other: Information/data is available on the EPA site

	https://www.epa.gov/tri
Page Redirected	Yes
Redirect URL	www.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools
Additional Information	* TOXNET TRI: Queries per Month/ 12/2017- 05/2019 https://itoxnet.nlm.nih.gov/help/query_stats.html Year/Month TRI Queries 2019/05 2,482 2019/04 301 2019/03 20 2019/02 61 2019/01 94 2018/12 38 2018/11 1,976 2018/10 56 2018/09 60 2018/08 44 2018/07 283 2018/06 29 2018/05 1,985 2018/04 3,826 2018/03 108 2018/02 3,298 2018/01 36 2017/12 37

Request Information	
Request ID	183
Task ID	186
Request Status	Approved
Created By	Colette Hochstein
Date Created	05/16/2019 02:01 p.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Ma, Wei (NIH/NLM) [E]
Sent: 23 Oct 2019 14:17:37 +0000
To: Backus, Joyce (NIH/NLM) [E]
Cc: Babski, Dianne (NIH/NLM) [E]
Subject: RE: ATTENTION: NLM SUNSETTING REQUEST APPROVED

You are welcome Joyce! We are happy to achieve users' requirements.

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Wednesday, October 23, 2019 9:59 AM
To: Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>
Cc: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: FW: ATTENTION: NLM SUNSETTING REQUEST APPROVED

Wei,
This feature is just great! thanks to you and your team.
Joyce

From: DoNotReply-NLMSunsetting@mail.nih.gov <DoNotReply-NLMSunsetting@mail.nih.gov>
Sent: Wednesday, October 23, 2019 9:50 AM
To: Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: ATTENTION: NLM SUNSETTING REQUEST APPROVED

ATTENTION: The following Sunsetting Request has been **APPROVED**.

NLM Service/Product (Offering) Details

NLM Service/Product (Offering)	ITER (International Toxicity Estimates of Risk)
Description	ITER has been a TOXNET database for almost 20 years. It contains data in support of human health risk assessments and is currently compiled by staff at the Risk Science Center of the University of Cincinnati's Department of Environmental Health. Once some legal and logistical matters are addressed, the home of ITER will return to Toxicology Excellence for Risk Assessment (TERA), its original developer. NLM has licensed ITER initially from TERA and then UC when key TERA staff moved to UC (they are now back at TERA). We do not expect meaningful issues associated with offering ITER content via Bookshelf or PubChem once the discussions between UC and TERA are completed, The UC and TERA interactions are expected to

	be completed by early 2020. ITER contains data from CDC/ATSDR, Health Canada, RIVM, U.S. EPA, IARC, NSF International and independent parties offering peer-reviewed risk values. ITER provides comparison charts of international risk assessment information and explains differences in risk values derived by different organizations. ITER is updated several times a year.
Document(s) Supporting Justification	ITERonUCWebSIte.docx
Justification	Other: The plan is to sunset ITER in the Fall of 2019 if the legal and logistical issues cannot be resolved between the University of Cincinnati and TERA. ITER will be . removed from the NLM Products & Services list.
Retirement Date	12/31/2019
Organization	LO
Key Staff Involved	Colette Hochstein Pertti Hakkinen Jeanne Goshorn David Gillikin

Internal Communication Plan

Staff to be Informed	Colette Hochstein Pertti Hakkinen Stacey Arnesen Jeanne Goshorn Wei Ma David Gillikin Amanda Wilson
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.

Date the Message will be Sent	08/31/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: GovD bulletins, Tech Bulletin
Retained Content	Other: If plans are finalized, NLM work with TERA to offer ITER content via Bookshelf and/or PubChem.
Additional Information	---

External Communication Plan

External Stakeholders to be Informed	TOXNET users, Colleagues at EPA, NIEHS, NNLM, Society of Toxicology, etc.
Communicated Message	On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. ITER has been a TOXNET database for about 20 years and its content will be continued in Bookshelf and/or PubChem if and once legal and logistical issues are resolved between the original developed and the current developer, and work is done to provide the ITER content in way that can be unitized for Bookshelf and/or PubChem.. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/
Date the Message will be Sent	12/01/2019
Communication Channel(s)	Technical Bulletin Newsletter Social Media Emails Other: GovD bulletins, and presentations at toxicology-related professional society and other meetings.

	In person meeting or phone call
Communication Frequency	Weekly Monthly
Retained Content	Other: The goal is to keep the ITER content available via Bookshelf and/or PubChem
Page Redirected	No
Additional Information	For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page

Request Information

Request ID	321
Task ID	381
Request Status	Approved
Created By	Pertti Hakkinen
Date Created	06/21/2019 04:25 p.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: DoNotReply-NLMSunsetting@mail.nih.gov
Sent: 23 Oct 2019 13:49:35 -0400
To: Gillikin, David (NIH/NLM) [E];Hochstein, Colette (NIH/NLM) [E];Jain, Sanjay (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Thomas, Phillip (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Hakkinen, Pertti (NIH/NLM) [E]
Subject: ATTENTION: NLM SUNSETTING REQUEST APPROVED

ATTENTION: The following Sunsetting Request has been **APPROVED**.

NLM Service/Product (Offering) Details	
NLM Service/Product (Offering)	CCRIS
Description	The CCRIS database contains chemical records with carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results. It was developed by the National Cancer Institute (NCI). Data are derived from studies cited in primary journals, current awareness tools, NCI reports, and other sources.
Document(s) Supporting Justification	TOXLINE retirement.docx SIS-sunset-resources.docx
Justification	Low usage No longer aligned with NLM priorities or mission needs Incorrect or out-of-date information
Retirement Date	12/01/2019
Organization	LO
Key Staff Involved	Colette Hochstein Sanjay Jain Jeanne Goshorn Phillip Thomas David Gillikin

Internal Communication Plan	
Staff to be Informed	Colette Hochstein Pertti Hakkinen
Communicated Message	CCRIS was originally created by the National Cancer Institute (NCI) and covers the years 1985 to 2011. It is part of TOXNET, and the information it contains is already incorporated into PubChem. On December 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page.
Date the Message will be Sent	09/01/2019
Communication Channel(s)	Emails Digital signage Information delivered at staff meetings Other: Tech Bulluetin

Retained Content	FTP
Additional Information	---

External Communication Plan	
External Stakeholders to be Informed	TOXNET users, NCI
Communicated Message	CCRIS as a separate database will no longer be available after NLM's TOXNET is retired. In this format it will be available on the FTP site, and the data it includes is already part of NLM's PubChem. On September 1, 2019 the National Library of Medicine (NLM) TOXNET website will be discontinued. Most of its content will continue to be available through other NLM databases as well as external websites. TOXNET has served as an integrated system of toxicology and environmental health databases. The most frequently used of those databases are being incorporated into three of NLM's core resources: PubChem, a database of chemical information; PubMed a resource for biomedical literature; and Bookshelf, with free online access to books and documents in life science and healthcare. Several other databases in TOXNET were made available on TOXNET from other organizations, such as the U.S. Environmental Protection Agency, and will continue to be available from those sources. Some databases will be retired. For a complete list of TOXNET databases and how to access their content, see the TOXNET transition page. If you have questions, please contact NLM Customer Support at https://support.nlm.nih.gov/

Date the Message will be Sent	09/15/2019
Communication Channel(s)	Emails Technical Bulletin Social Media
Communication Frequency	Weekly Monthly
Retained Content	NLM Website FTP
Page Redirected	No
Additional Information	A complete list of TOXNET databases and how to access their content will be posted/available vis a new TOXNET transition page.

Request Information	
Request ID	361
Task ID	601
Request Status	Approved
Created By	Jeanne Goshorn
Date Created	07/29/2019 10:28 a.m.

Login to the NLM Sunsetting Site

If you have questions or concerns, please contact NLM ITSC.

Thank you,

ITSMS Team

From: Babski, Dianne (NIH/NLM) [E]
Sent: 1 Nov 2019 20:17:21 +0000
To: NLM LO ADLO;NLM NICHSR-ALL;Nurik, Jody (NIH/NLM) [E];McKay, Kathryn (NIH/NLM) [E]
Subject: LO Div Ch notes

October 31, 2019
AFP (Kathel)
The Associate Fellows selected their projects for the Fall:

- Brenna Cox: Investigate the addition of CPT4 procedure codes to MedlinePlus Connect; Jen Jentsch, project sponsor
- Sharon Han: Analysis of NLM interlibrary loan usage data during selected public health events; Colette Hochstein, Gillian Takamaru, Lis Unger, project sponsors
- Eden Kinzel: Analyze cost and impact of change in MEDLINE indexing start date policy; Beth Weston, Jules Shore, project sponsors
- Louise To: Consumer health informatics – infobutton resources – MedlinePlus Connect and Wikidata and Wikipedia; Vojtech Huser, project sponsor

LO (Dianne)
Tentative Dates for Library Operations All Staff meetings for 2020 below. All meetings will be held in Lister Hill Auditorium, 10am – 11am.

- March 17, 2020
- June 2, 2020
- September 29, 2020
- December 15, 2020

Reminder: Work-Life@NIH Workshop: a Guide to Enhancing Workforce Well-being will be held November 6, 2019, 9am – 11am, NLM Visitor Center. In-person or webex attendance.

TSD (Jennifer)

- Lorretta Turnage, Head, Acquisitions Unit 2, Collection Development and Acquisitions Section, will retire on January 3, 2020 after more than 36 years of service at NLM. Lorretta has supervised the unit responsible for the management of purchasing, record creation, and the ordering and receiving of monographs and other materials for the NLM collection. She helped implement the acquisitions functions of the Voyager Integrated Library System including staff training, documentation for procedures, and workflow creation. Lorretta implemented other features in Voyager including the use of embedded order data and EDI (Electronic Data Interchange) for monographs. Lorretta also coordinated the gifts program for monographs including the NLM Exchange Program, the Library of Congress Duplicates Program, and gifts received from worldwide sources. Lorretta has consistently focused on increasing work efficiency and helped implement the Central Receiving and Tracking System (CRTS) used to systematically track the processing of monographs. Lorretta will be greatly missed! More information regarding her party in December will be issued within the next few weeks.
- The Literature Selection Technical Review Committee (LSTRC) meeting was held Oct. 24-25. Several significant changes were introduced at this meeting:
    - TSD staff assumed responsibility for coordinating the meeting.
    - The LSTRC Reviewer Interface within the MEDLINE Publisher Portal was implemented.
    - A new Journal Review Report form was implemented.

    - Detailed screening information, prepared by Selectors in the Collection Development and Acquisitions Section (CDAS), was provided for each journal.

The changes were enthusiastically welcomed by the LSTRC reviewers who greatly appreciated the work that went into improving the system and processes for LSTRC journal review. Thanks go to the many staff in LO, NCBI and OCCS who contributed to the successful development and implementation of these changes.

- The MeSH RDF URIs have been added to the display for all descriptors and qualifiers in the MeSH Browser under the label RDF Unique Identifier.
- Cheryl Fields is attending the Charleston Conference November 4-8 in Charleston, SC. Part of her time will include performing a market survey, in preparation for the serials contract re-negotiation that will begin shortly.

HMD (Jeff)

- Congratulations to our former Pathways intern Thu Tran, who informed us this week that Nova Southeastern University College of Optometry in Fort Lauderdale, Florida, has accepted her into its class of 2024. “Thank you so much for your all of your support, guidance, and encouragement during my time at HMD,” Thu shared. “I wouldn't be where I am today without your investment in me as your intern. I will always remember fondly of my time at HMD, as it was one of the best experiences I have had as an undergraduate student.” Congratulations and best wishes, Thu, and we look forward to keeping in touch and learning about your further career successes!
- Thanks very much to Harold Lindmark and NLM Team OAMAS for their time and support:
    - last Friday, October 25, to relocate HMD’s astral bench so carefully and strategically to the rotunda. Thanks equally to Ken Koyle for spearheading this important change to support integration of the reading rooms, and to Deshaun Williams for helpfully documenting this major change through a series of thoughtful photographs, and
    - this Thursday, October 31, to remove the defunct Turning the Pages kiosk from the HMD coat room, paving the way for its footprint to allow for a new set of patron lockers to be installed as part of the planned integration of the reading rooms by April 6, 2020.
- The Anglo-American publisher Phaidon has just released *Anatomy: Exploring the Human Body*, the latest in its “Explorer Collection.” The profusely illustrated volume includes twenty-four images from HMD and NLM, including several multi-page spreads.
- Christie Moffatt attended a Continuing Education to Advance Web Archiving (CEDWARC) workshop on Monday, October 28 at George Washington University. The workshop was organized and hosted by Virginia Tech Libraries and the Virginia Tech Department of Computer Science, in collaboration with Los Alamos National Lab Research Library, Old Dominion University Department of Computer Science, the University of Waterloo Department of History, the Internet Archive, and George Washington University Libraries (with IMLS funding) to teach library and archive professionals advanced web archiving and analysis techniques including the use tools and services such as Social Feed Manager, Webrecorder, Storytelling, ArchivesSpark, and Archives Unleashed.
- HMD welcomes back History Associates Archivist Erica Williams who joins the Digital Manuscripts Program staff as a contractor to work on Profiles in Science and web archiving projects for the next several months.
- On Tuesday, October 22, as part of a week-long celebration of International Open Access Week (October 21-27), the NLM Copyright Group hosted a brown bag talk about Open Access and Public Access. Thanks to Katie Funk for giving an excellent presentation “After the Big Bang: The Expanding Universe of ‘Open’ in Scholarly Communication,” exploring how the dialogue around openness in scholarly communication has evolved in the last two decades and expanded

in recent years. 12 NLM staff attended in person and 17 participated online. A copy of Katie's talk has been added to the Copyright Group wiki page under Copyright Resources, and is available directly here.

- And a reminder about HMD's two exciting and data-oriented Job Jar projects, both still open for participation by interested and qualified colleagues: Help us reveal data in NLM's historical collections! (led by and with thanks to Beth Mullen) and Understanding how to surface and study patterns of medical terminology used in historic films and videos about mental illness (led by and with thanks to Sarah Eilers).

OET (Amanda)

- Happy Halloween!
- Monday-Wednesday, OET staff (Franda Liu, Nichelle Midon, and Amanda Wilson) attended the All of Us Research Program Face-to-Face meeting.
- Monday-Wednesday, OET staff (Mike Davidson, Aimee Gogan, and Kate Majewski) attended Federal Grants Training for working with the UG4 grants.

PSD (Stacey)

- On Monday, October 28th, the DOCLINE team released the "Contact Library" feature. This allows libraries to contact each other from within the system using an envelope icon that appears next to each request. Since NLM is also a user of DOCLINE, NLM customers can contact us with this feature as well. Those messages will show up in Dynamics as a customer support ticket. The feature has been highly requested, and we're excited to release it to the users.
- PCMS is finalizing the cleaning protocol for mold remediation with the contractor and expects the remediation to start in mid-November.
- The CAS Head position closed on October 30th.
- On October 28th, Stacey Arnesen, as alternate COR for the Biomedical, Public Health, and Clinical Information Services (BPHCIS) BPA, participated in a meeting of CORs, task managers, and contracts office staff to discuss task management for FY20.

October 24, 2019

LO

- The group* leading the planning and implementation of the combined reading room functions continues to meet bi-weekly and make progress toward the target date of April 6, 2020, when functions of the main reading room will begin formally to occur in the HMD reading room. . *This group consists of Stacey Arnesen, Steve Greenberg, Terry Ahmed, Ken Koyle, Ben Petersen, D'Neen Ross, and Rebecca Warlow. The new wiki space of the group is here, while their associated SharePoint space is here.
- The PSD Chief onsite interviews have been completed. The interview teams are compiling feedback and expect to have all comments to ADLO by the close of October.
- On October 29, 2019, 2pm – 3:30pm in the Lister Hill Auditorium, the NIH Civil Program will present information about Preventing and Addressing Harassment in the Workplace and the Personal Relationship Policy Statement. There will be time for Q&A and Civil Specialists will be available to meet with staff to personally discuss any concerns they may have.
- As of 10/24, 82% of Library Operations staff have taken the online Anti-Harassment training. Thank you! Deadline for completion for those who have not yet taken the training is November 15, 2019.

All of Us Updates:

Enrollment in All of Us

-

-
    - Just surpassed 250,000 participants and 200,000 core participants! Now, more than 278,000 participants have enrolled in the program, including more than 214,000 who have provided physical measurements and biospecimens. View our Data Snapshots.

Other Information of Interest:

-
    - On September 3, *All of Us* issued a Request for Information (RFI) to collect additional input from the consultation and engagement with Tribal Nations. Responses to the RFI will be accepted through October 31 and must be submitted via email to AoUTribal@nih.gov. View the RFI for full details.
    - On October 18, *All of Us* selected the HudsonAlpha Institute for Biotechnology to evaluate the use of leading-edge DNA sequencing technologies that could someday improve diagnosis and treatment of many diseases. NCATS is funding the project with $7 million over one year. With this award, HudsonAlpha will use long-read whole genome sequencing technologies to generate genetic data on about 6,000 samples from participants of different backgrounds.
    - **Saliva Pilot:** We have recently launched a saliva pilot with a limited number of direct volunteers who live outside of partner catchment areas and so are currently ineligible for standard collection of blood and urine samples. The program will gradually ramp up operations to collect a few thousand saliva samples from participants directly by mail. The goals of this project are to assess technical feasibility, the participant experience, completion rates, and data quality. The samples will undergo genetic analysis in the future, but no return of results is planned for the near term.
    - **PregSource® Pilot:** This fall, we plan to launch a new pilot project with NICHD, inviting eligible *All of Us* participants to join PregSource, a separate research project on pregnancy. PregSource participants complete online surveys about their health, their pregnancies, and their babies' health to help researchers and health care providers better understand pregnancy and women's experiences with motherhood. This effort is an initial step toward our larger goal of launching child enrollment in the future.
    - **Researcher Workbench:** This December, we'll make a go/no-go decision on the readiness of the Researcher Workbench for a public beta launch in early February. Our researcher outreach plans are in development and will include publications about our demonstration projects and presentations at a diverse set of scientific conferences. Many thanks to the LCT for offering input on priority events and other aspects of the rollout.
    - **Genomics:** We are working hard to firm up our genomics plans and timeline, in ongoing collaboration with the consortium, the IRB, and the Food and Drug Administration. Currently, we expect to begin by genotyping a limited number of participant samples and returning non–health-related results. These will likely include information about ancestry (though not at the resolution of 23andMe or ancestry.com) and common traits (such as lactose tolerance and caffeine metabolism). We'll likely return just a few traits at first and add more as we gauge participants' interest. Whole genome sequencing and the return of

health-related results (e.g., pharmacogenomics, the ACMG59) will likely come in a later phase. Plans remain subject to change, so any public announcements about what specific information we'll return and when we'll return it remain on hold. Our main message now is that the program intends to return both health-related and non–health-related genetic information to participants over time.

- **Mental Health Campaign:** We're working with NIMH to kick off a mental health campaign in early 2020, which will include rolling out a new survey on mental health and well-being and a mood module for *All of Us* participants. The program will disseminate various educational messages about mental health as a communications tactic to encourage participants to complete these additional activities.
- **NPR:**How Should Scientists' Access To Health Databanks Be Managed? (September 6): More than a million Americans have donated genetic information and medical data for research projects. But how that information gets used varies a lot, depending on the philosophy of the organizations that have gathered the data.
- **Technology Networks:**The *All of Us* Research Project: A historic effort to sequence one million genomes (September 2): Technology Networks recently spoke with Josh Denny, M.D., M.S., principal investigator of the *All of Us* Data Research Center and a professor of biomedical informatics and medicine at Vanderbilt University Medical Center. They wanted to know more about the aims of the project and the logistics involved with sequencing the genome of more than one million people.

TSD (Jennifer)

- YEP processing to update NLM bibliographic records with 2020 MeSH has been postponed from the weekend of November 15 to the weekend of December 6, to stay aligned with the indexing update which will take place on December 4-5.

NICHSR (Dianne)

- The planning stages for the 4th Annual HSRProj Student Competition have commenced. The first meeting will be held in November, with the marketing campaign opening that same month.

HMD (Jeff)

- Jeff Reznick and Rebecca Warlow met with former HHS-secretary Louis W. Sullivan, MD, to discuss his recent donation of his papers and to share ideas for making researchers aware of NLM's new stewardship of this important collection.
- Jeff Reznick met with Dr. Brennan, Jerry Sheehan, Dr. Corn, and Jody Nurik about the 2020 Lindberg-King lecture and NLM's role in programming this annual event next year as part of a day symposium next summer in honor of Dr. Donald A.B. Lindberg. Jeff will be working directly with Dr. Corn on this future planning and coordinating with NLM's OCPL to ensure success and impact.
- Ahead of the scheduled removal this Friday, October 25, of the circular bench and rug in the HMD reading room, as part of the announced plans and ongoing collaborative work to integrate NLM's reading rooms by the target date of April 6, 2020, HMD staff gathered on Tuesday, October 22, for a final staff photo in this spot, with all due credit and thanks to Susan Speaker for spearheading the gathering, and Steve Greenberg for taking the photograph, which in due course will be catalogued and preserved in NLM Digital Collections, along with the selected, catalogued, and described photos taken as

part of the efforts to capture visually NLM spaces, workflows, and people for the purpose of preserving these images for future generations, as reported on September 26, 2019.

AFP (Kathel)

- On Friday, October 25, 2019, the Associate Fellows met with Patti Brennan for a preparation meeting and discussion prior to their attending the American Medical Informatics Association (AMIA) meeting November 17 – 20, 2019. The Associate Fellows previously met with Liz Amos and India Winter, a post-bac nurse in Patti Brennan's NINR lab to review the AMIA meeting schedule, workshops, and potential people to meet.

BSD (David)

- Meng Cheng (MMS) participated in the Oct 16-18 Codeathon.
- The Annual Indexing Orientation will be held on November 1 in the Lister Hill Auditorium. An initial overall presentation will be given in the auditorium from 8:30-9:150, with breakout sessions to follow. Olga Printseva and Janice Ward will lead the review of the 2020 MeSH Highlights. The breakout sessions will be lead by Nick Miliaras, Stella Koppel, David Cissel, Janice Ward, and Olga Printseva. Thank you very much to all of them and everyone else in Index Section who have worked the planning efforts for the orientation session.
- On October 22, Robin Taylor (MMS) gave an update to the NIH Common Data Elements (CDE) Task Force on NLM CDE activities since December 2018 and asked for the Task Force's support for the current usability study.
- On October 23, Chris Hui participate in a conference call with Craig Anderson, Senior Expert, Program Delivery, Health Canada/Government of Canada.). Health Canada is planning on the implementation of standard product labels (SPL) for drug product labeling and wanted to hear about NLM's experiences with SPL data.
- The BSD Sunset Team created a list of URL redirects that need to be put in place in December when many TOXNET resources will be taken down or transitioned to other sites. These will be discussed at the monthly meeting of the NCBI TOXNET Integration project meeting on October 24.
- Jeanne Goshorn will be Acting Chief BSD for Oct 28 - Nov 1 while David Gillikin is on leave.

OET (Amanda)

- This week, Science Classroom was added to ToxTown, which integrates classroom resources from the to-be-retired Environmental Health Student Portal: https://toxtown.nlm.nih.gov/science-classroom.

PSD (Stacey)

- PSD hosted the NLM Associate Fellows for three days, October 15-17, 2019. Thanks to the many PSD staff who gave excellent presentations to the Associate Fellows and recruited two fellows to work with PSD on fall projects.
- The CAS Section Head position is posted on USAjobs.gov. The position is open from October 21 – October 30, 2019.
- The bilingual technical information specialist position also is posted on USAjobs.gov. This position closes on October 26, 2019.
- Dan Wendling led an NLM Codeathon team in a project that classifies search queries, in an effort to improve Search Engine Optimization (SEO).
- Laura Bartlett led a team at the NLM Codeathon doing Twitter sentiment analysis around MedlinePlus and other NLM consumer health resources. Sabrina Springer also participated in the Codeathon working on finding, organizing, and analyzing NNLM funded activity data.
- Roger Brtva coordinated the retirement of the Local Legends subsite on NLM Main.

- My MedlinePlus Newsletter: “What You Should Know About STDs” was sent on October 16, 2019, to 35,819 subscribers. The open rate was 30%, and the click rate was 9%. The top three articles were: Chapped Lips, Farmers Market Salsa, What Causes a Stroke?
- Jen Jentsch and Stephanie Morrison met with Lakshmi Grama, NCI's Associate Director of the Office of Dissemination and Digital Communications (ODD), and members of her team, to discuss the integration of NCI consumer health materials into MedlinePlus Connect. Jen also presented on MedlinePlus Connect at the staff meeting for NHLBI's Office of Science Policy, Engagement, Education and Communications (OSPEEC). Both NCI and NHLBI have expressed strong interest in joining MedlinePlus Connect. Jen provided both groups with participation guidelines and starter materials.
- Stephanie Morrison and Stacy Coppess met with Sherine El-Toukhy from the National Institute on Minority Health and Health Disparities to discuss a text message campaign collaboration.
- Stephanie Morrison attended a meeting of the NIH Health Literacy Quality Improvement Workgroup. The group discussed improvements to the NIH Clear Health page and finding a home for MedlinePlus's tutorial on How to Write Easy-to-Read Materials.
- Mary Herron, Stacy Coppess, and Stephanie Morrison spoke with Dr. Lisa Fitzpatrick about her community outreach and information program, Dr. Lisa on the Street.
- Sabrina Springer attended the NLM Codeathon as part of the NNLM FOA group. We investigated finding, organizing, and analyzing NNLM funded activity data. The group presented one way of analyzing the data to gain a better understanding of trends and future needs.
- For staff wishing to archive past wiki content, Dan Wendling created new documentation at Wiki archiving choices - And how to implement your choice.
- PSD released & promoted the new DIMRC online course on Continuity of Operations (COOP) Planning - https://www.nlm.nih.gov/dis_courses/coop/index.html
- Jen Pakiam held a WISER planning meeting to flesh out the priorities for the next year in terms of feature developments, etc.
- Stacey Arnesen and Jen Pakiam participated in a meeting with HHS Assistant Secretary for Preparedness and Response (ASPR) staff and contractors to discuss plans for CHEMM and REMM.
- The My MedlinePlus Newsletter: “Sleep: Getting Your Z's” was sent October 9, 2019, to 35,456 subscribers. The open rate was 32% and the click rate was 6%. The top three articles were: Whole Wheat Quick Bread, Improve Your Sleep Habits, Why Can’t I Fall Asleep?
- Stephanie Morrison and the team updated the metrics/analytics we will report about MedlinePlus and MedlinePlus Connect beginning in FY20. Stephanie updated the NLM Statistics wiki and related documentation.
- Stacey Arnesen, Stephanie Morrison, Alla Keselman (OET), and Amanda Wilson (OET) met to discuss strategy for the future of Tox Town. We will explore whether another IC would be interested in adopting Tox Town, and otherwise consider how to evaluate this resource for possible inclusion in MedlinePlus.
- MedlinePlus website (English and Spanish): The recipes Baked Cauliflower Tots https://medlineplus.gov/recipes/baked-cauliflower-tots/ and Peanut Power Smoothie: https://medlineplus.gov/recipes/peanut-power-smoothie/ were added.

Dianne Babski
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301-827-4279

From: Zaringhalam, Maryam (NIH/NLM) [C]
Sent: 5 Nov 2019 20:07:32 +0000
To: NLMImpCouncil
Cc: Dunn, Kathel (NIH/NLM) [E];Samsel, Leigh (NIH/NLM) [E]
Subject: Reminder: NLM SP Imp Cncl Mtg This Thursday 11-7-19 @ 4pm
Attachments: List of Strategic Offerings.xlsx, NLM_SP_IC_agenda 11-7-19.docx, NLM SP ImpCncl Notes 2019-10-03.docx

Dear Strategic Plan Implementation Council Members,

A reminder that the NLM Strategic Plan Implementation Council will be meeting this Thursday, November 7th at 4pm in the Lindberg Conference Room. I've attached the agenda for your reference, and the prompt for our discussion below:

> To build off of some of the strategic communications ideas discussed at our last meeting, we would like to center our next meeting on a discussion of projects happening within your respective divisions that support the Strategic Plan. I've attached a list of NLM offerings that align to Strategic Objectives (tab 1) and Strategic Initiatives (tab 2) as a starting place. We'd like you to look through the list and select one from your respective divisions for our discussion, with attention to how we might practically develop a communication strategy around them (e.g. do we highlight the project through a blog post, in a video, through digital signage, at Town Hall meetings, etc.).

I've attached the agenda for the meeting, as well as notes from our last meeting if you need a refresh.

Thanks,
Maryam

***

Maryam Zaringhalam, PhD
(she/her/hers)
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Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

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Objective1	Offering Name	1: Accelerate discovery and advance health through data-driven research	2: Reach more people in more ways through enhanced dissemination and engagement	3: Build a workforce for data-driven research and health
1.1: Connect the resources of a digital research enterprise	CDD/SPARCLE			
	CDE Repository			
	ClinicalTrials.gov			
	DailyMed			
	dbGaP			
	Disaster Lit			
	DOCLINE			
	DR2			
	FDA Notices of Judgment			
	GenBank			
	GEO			
	GTR/MedGen			
	HMD DHMC			
	HMD Web Curated Content			
	HSRIC			
	HSRProj			
	HSRR			
	IndexCat			
	Loansome Doc			
	LocatorPlus			
	LSTRC Publisher Web Form			
	MEDLINE			
	MeSH RDF			
	MeSH Vocabulary			
	NLM Classification			
	NLM Collection			
	NLM Digital Collections			
	NLM Main Web			
	Outreach & Training			
	Pathogens			
	PHPartners.org			
	PMC			
	PubChem			
	PubMed			
	RefSeq			
	RxNorm			
	SeqTools			
	SFX			
	SNOMED CT			
	SRA			
	UMLS			
	VSAC			
	WISER			
1.2: Advance research and development in biomedical informatics and data science	CBB Intramural Research Program			
	CDD/SPARCLE			
	CDE Repository			
	ClinicalTrials.gov			
	DailyMed			
	dbGaP			
	dbSNP/dbVar			
	DOCLINE			
	GenBank			
	GEO			
	Loansome Doc			
	LocatorPlus			
	MEDLINE			
	MeSH Vocabulary			
	NLM Collection			
	NLM Extramural Grant Program			
	NLM Main Web			
	NLM Products and Services Directory			
	Pathogens			
	RefSeq			
	RxNorm			
	SeqTools			
	SNOMED CT			
	SRA			
	UMLS			
	VSAC			
1.3: Foster open science policies and practices	CHEMM			
	ClinicalTrials.gov			
	DailyMed			
	Data Discovery			
	DIMRC Website			
	Disaster Lit			
	DR2			
	GenBank			
	GEO			
	HSRIC			
	HSRProj			
	HSRR			
	Outreach & Training			
	PHPartners.org			
	REMM			
	RxNorm			
	SFX			
	SRA			
	WISER			
1.4: Create a sustainable institutional, physical, and computational infrastructure	ChemIDplus			
	dbGaP			
	DOCLINE			
	GenBank			
	GEO			
	GTR/MedGen			
	Haz-Map			
	Household Products Database			

	HSDB
	IRIS
	ITER
	LactMed
	LiverTox
	PMC
	PubChem
	PubMed
	SeqTools
	SRA
	TOXNET
2.1: Know NLM users and engage with persistence	AIDSinfo
	AIDSource
	AltBib
	American Indian Health
	Arctic Health
	CBB Intramural Research Program
	CDD/SPARCLE
	ChemIDplus
	CHEMM
	ClinicalTrials.gov
	Conference Services
	Data Discovery
	dbGaP
	DIMRC Website
	Disaster Lit
	DOCLINE
	DR2
	Drug Information Portal
	DSID
	DSLD
	Environmental Health and Toxicology Information
	Environmental Health Student Portal
	FDA Notices of Judgment
	FOIA Service
	GenBank
	GeneEd
	GEO
	GTR/MedGen
	Haz-Map
	HealthReach
	HMD DHMC
	HMD Web Curated Content
	Household Products Database
	HSDB
	HSRIC
	HSRProj
	HSRR
	IndexCat
	IRIS
	ITER
	Journalism Fellowship
	LactMed
	LinkOut for Libraries
	LiverTox
	Loansome Doc
	LocatorPlus
	LSTRC Publisher Web Form
	MEDLINE
	MedlinePlus
	MedlinePlus Connect
	MedlinePlus magazine
	MeSH Vocabulary
	Musings from the Mezzanine
	NLM Collection
	NLM Digital Collections
	NLM in Focus
	NLM Informational Media
	NLM Main Web
	NNLM Web Resources
	OCPL Exhibitions
	Outreach & Training
	Pathogens
	PHPartners.org
	Pillbox
	PMC
	PubMed
	RefSeq
	REMM
	SeqTools
	SFX
	SIS Main Website
	SIS Outreach
	Social Media Platforms
	SRA
	Substance Registration System
	Tox Mystery
	Tox Town
	Tox Tutor
	TOXLINE
	ToxMap
	TOXNET
	WISER
2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data	AccessGUDID
	AIDSinfo
	AIDSource
	AltBib
	American Indian Health
	Arctic Health

	Audiovisual & Integrated Media Production
	CBB Intramural Research Program
	CDD/SPARCLE
	CDE Repository
	ChemIDplus
	CHEMM
	Conference Services
	DailyMed
	Data Discovery
	dbGaP
	DIMRC Website
	Disaster Lit
	DOCLINE
	DR2
	Drug Information Portal
	DSID
	DSLD
	Environmental Health and Toxicology Information
	Environmental Health Student Portal
	FDA Notices of Judgment
	FOIA Service
	GenBank
	GeneEd
	GEO
	Haz-Map
	HealthReach
	HMD DHMC
	HMD Web Curated Content
	Household Products Database
	HSDB
	HSRIC
	HSRProj
	HSRR
	IndexCat
	IRIS
	ITER
	Journalism Fellowship
	LactMed
	LiverTox
	LocatorPlus
	LSTRC Publisher Web Form
	MEDLINE
	MedlinePlus
	MedlinePlus Connect
	MedlinePlus magazine
	MeSH RDF
	MeSH Vocabulary
	Musings from the Mezzanine
	NLM Classification
	NLM Collection
	NLM Digital Collections
	NLM in Focus
	NLM Informational Media
	NLM Main Web
	NNLM Web Resources
	OCPL Exhibitions
	Outreach & Training
	Pathogens
	PHPartners.org
	Pillbox
	PMC
	PubMed
	RefSeq
	REMM
	RxNorm
	SFX
	SIS Main Website
	SIS Outreach
	SNOMED CT
	Social Media Platforms
	SRA
	Substance Registration System
	Tox Town
	Tox Tutor
	TOXLINE
	ToxMap
	TOXNET
	UMLS
	VSAC
	WISER
2.3: Support research in biomedical and health information access methods and information dissemination strategies	AccessGUDID
	CBB Intramural Research Program
	CDD/SPARCLE
	CDE Repository
	Conference Services
	DailyMed
	dbGaP
	DOCLINE
	FOIA Service
	GenBank
	GEO
	Journalism Fellowship
	Loansome Doc
	LocatorPlus
	MEDLINE
	MedlinePlus Connect
	MedlinePlus magazine
	MeSH Vocabulary
	Musings from the Mezzanine

	NLM Collection
	NLM Extramural Grant Program
	NLM in Focus
	NLM Informational Media
	NLM Main Web
	NLM Products and Services Directory
	NNLM Web Resources
	OCPL Exhibitions
	Pathogens
	PMC
	PubMed
	RefSeq
	RxNorm
	SNOMED CT
	Social Media Platforms
	SRA
	UMLS
	VSAC
2.4: Enhance information delivery	AccessGUDID
	AIDSinfo
	AIDSource
	AltBib
	American Indian Health
	Arctic Health
	Audiovisual & Integrated Media Production
	BabelMeSH
	CDD/SPARCLE
	CDE Repository
	ChemIDplus
	CHEMM
	Conference Services
	DailyMed
	Data Discovery
	dbGaP
	DOCLINE
	Drug Information Portal
	DSID
	DSLD
	Environmental Health and Toxicology Information
	Environmental Health Student Portal
	FDA Notices of Judgment
	FOIA Service
	GenBank
	GeneEd
	GEO
	Haz-Map
	HealthReach
	HMD DHMC
	HMD Web Curated Content
	Household Products Database
	HSDB
	HSRIC
	HSRProj
	HSRR
	IndexCat
	IRIS
	ITER
	Journal Donation
	Journalism Fellowship
	LactMed
	LiverTox
	Loansome Doc
	LocatorPlus
	MEDLINE
	MedlinePlus
	MedlinePlus Connect
	MedlinePlus magazine
	MeSH RDF
	MeSH Vocabulary
	Musings from the Mezzanine
	NLM Collection
	NLM Digital Collections
	NLM Extramural Grant Program
	NLM in Focus
	NLM Informational Media
	NLM Main Web
	NLM Products and Services Directory
	NNLM Web Resources
	OCPL Exhibitions
	Outreach & Training
	Pathogens
	PHPartners.org
	Pillbox
	PMC
	PubMed
	PubMed for Handhelds
	RefSeq
	REMM
	RxNav
	RxNorm
	SFX
	SIS Main Website
	SIS Outreach
	SNOMED CT
	Social Media Platforms
	SRA
	Substance Registration System
	Tox Mystery
	Tox Town

	Tox Tutor
	TOXLINE
	ToxMap
	TOXNET
	Turning the Pages
	UMLS
	VSAC
	WISER
3.1: Expand and enhance research training for biomedical informatics and data science	CBB Intramural Research Program
	CDD/SPARCLE
	CDE Repository
	DailyMed
	dbGaP
	GTR/MedGen
	HSRIC
	HSRProj
	HSRR
	LinkOut for Libraries
	Medical Informatics Training Program
	NLM Extramural Grant Program
	NNLM Web Resources
	Outreach & Training
	PHPartners.org
	RefSeq
	RxNorm
	SNOMED CT
	UMLS
	VSAC
3.2: Assure data science and open science proficiency	dbGaP
	GTR/MedGen
	HSRIC
	NNLM Web Resources
	Outreach & Training
	PHPartners.org
3.3: Increase workforce diversity	CBB Intramural Research Program
	Medical Informatics Training Program
	NLM Extramural Grant Program
	Outreach & Training
3.4: Engage the next generation and promote data literacy	CBB Intramural Research Program
	HSRIC
	HSRProj
	NNLM Web Resources
	Outreach & Training
	PHPartners.org
	RefSeq
	SIS Outreach

Initiative1	Offering Name	Objective1	1: Accelerate discovery and advance health through data-driven research	2: Reach more people in more ways through enhanced dissemination and engagement	3: Build a workforce for data-driven research and health
1.1a: Assessment of MeSH and Auto-Indexing	Disaster Lit	1.1: Connect the resources of a digital research enterprise			
	GTR/MedGen	1.1: Connect the resources of a digital research enterprise			
	MEDLINE	1.1: Connect the resources of a digital research enterprise			
	MeSH Vocabulary	1.1: Connect the resources of a digital research enterprise			
1.1b: MEDLINE 2022	ClinicalTrials.gov	1.1: Connect the resources of a digital research enterprise			
	LSTRC Publisher Web Form	1.1: Connect the resources of a digital research enterprise			
	MEDLINE	1.1: Connect the resources of a digital research enterprise			
	MeSH Vocabulary	1.1: Connect the resources of a digital research enterprise			
	PMC	1.1: Connect the resources of a digital research enterprise			
	PubChem	1.1: Connect the resources of a digital research enterprise			
	PubMed	1.1: Connect the resources of a digital research enterprise			
1.1c: NLM Portfolio Assessment by MITRE	MEDLINE	1.1: Connect the resources of a digital research enterprise			
	MeSH Vocabulary	1.1: Connect the resources of a digital research enterprise			
	PMC	1.1: Connect the resources of a digital research enterprise			
	PubMed	1.1: Connect the resources of a digital research enterprise			
1.2a: Blue Ribbon Panel Review of NLM Intramural Research Program	CBB Intramural Research Program	1.2: Advance research and development in biomedical informatics and data science			
	NLM Main Web	1.2: Advance research and development in biomedical informatics and data science			
1.2b: NLM-NSF MOU Innovative Mathematical, Statistical, and Computational Approaches to Biomedical Data Science	ClinicalTrials.gov	1.2: Advance research and development in biomedical informatics and data science			
1.4a: TOXNet platform migration	ChemIDplus	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	dbGaP	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	Haz-Map	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	Household Products Database	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	HSDB	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	IRIS	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	ITER	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	LactMed	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	LiverTox	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	PMC	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	PubChem	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	PubMed	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	TOXNET	1.4: Create a sustainable institutional, physical, and computational infrastructure			
2.1a: Outreach planning	CBB Intramural Research Program	2.1: Know NLM users and engage with persistence			
	DIMRC Website	2.1: Know NLM users and engage with persistence			
	DOCLINE	2.1: Know NLM users and engage with persistence			
	GTR/MedGen	2.1: Know NLM users and engage with persistence			
	HMD Web Curated Content	2.1: Know NLM users and engage with persistence			
	LinkOut for Libraries	2.1: Know NLM users and engage with persistence			
	Loansome Doc	2.1: Know NLM users and engage with persistence			
	NLM Main Web	2.1: Know NLM users and engage with persistence			
	NNLM Web Resources	2.1: Know NLM users and engage with persistence			
	Outreach & Training	2.1: Know NLM users and engage with persistence			
	SIS Outreach	2.1: Know NLM users and engage with persistence			

2.1b. Assessment of Tools used for NLM Resource Evaluation	SIS Outreach	2.1: Know NLM users and engage with persistence
2.1c: Assessment of Comparative Web Metrics	AIDSinfo	2.1: Know NLM users and engage with persistence
	AIDSource	2.1: Know NLM users and engage with persistence
	AltBib	2.1: Know NLM users and engage with persistence
	American Indian Health	2.1: Know NLM users and engage with persistence
	Arctic Health	2.1: Know NLM users and engage with persistence
	ChemIDplus	2.1: Know NLM users and engage with persistence
	CHEMM	2.1: Know NLM users and engage with persistence
	Data Discovery	2.1: Know NLM users and engage with persistence
	DIMRC Website	2.1: Know NLM users and engage with persistence
	Disaster Lit	2.1: Know NLM users and engage with persistence
	DR2	2.1: Know NLM users and engage with persistence
	Drug Information Portal	2.1: Know NLM users and engage with persistence
	DSID	2.1: Know NLM users and engage with persistence
	DSLD	2.1: Know NLM users and engage with persistence
	Environmental Health and Toxicology Information	2.1: Know NLM users and engage with persistence
	Environmental Health Student Portal	2.1: Know NLM users and engage with persistence
	GeneEd	2.1: Know NLM users and engage with persistence
	Haz-Map	2.1: Know NLM users and engage with persistence
	HealthReach	2.1: Know NLM users and engage with persistence
	Household Products Database	2.1: Know NLM users and engage with persistence
	HSDB	2.1: Know NLM users and engage with persistence
	IRIS	2.1: Know NLM users and engage with persistence
	ITER	2.1: Know NLM users and engage with persistence
	LactMed	2.1: Know NLM users and engage with persistence
	LiverTox	2.1: Know NLM users and engage with persistence
	MedlinePlus	2.1: Know NLM users and engage with persistence
	NLM Main Web	2.1: Know NLM users and engage with persistence
	NNLM Web Resources	2.1: Know NLM users and engage with persistence
	Outreach & Training	2.1: Know NLM users and engage with persistence
	Pillbox	2.1: Know NLM users and engage with persistence
	REMM	2.1: Know NLM users and engage with persistence
	SIS Main Website	2.1: Know NLM users and engage with persistence
	Substance Registration System	2.1: Know NLM users and engage with persistence
	Tox Mystery	2.1: Know NLM users and engage with persistence
	Tox Town	2.1: Know NLM users and engage with persistence
	Tox Tutor	2.1: Know NLM users and engage with persistence
	TOXLINE	2.1: Know NLM users and engage with persistence
	ToxMap	2.1: Know NLM users and engage with persistence
	TOXNET	2.1: Know NLM users and engage with persistence
	WISER	2.1: Know NLM users and engage with persistence
2.1d: User Experience / User Development Initiative	DOCLINE	2.1: Know NLM users and engage with persistence
	Loansome Doc	2.1: Know NLM users and engage with persistence
	LocatorPlus	2.1: Know NLM users and engage with persistence
	MedlinePlus	2.1: Know NLM users and engage with persistence
	NLM Digital Collections	2.1: Know NLM users and engage with persistence
	NLM Main Web	2.1: Know NLM users and engage with persistence
	Outreach & Training	2.1: Know NLM users and engage with persistence
	PMC	2.1: Know NLM users and engage with persistence
	PubMed	2.1: Know NLM users and engage with persistence
	SFX	2.1: Know NLM users and engage with persistence
	SIS Outreach	2.1: Know NLM users and engage with persistence

2.1e: External Communications Plans & Information Resources	DOCLINE	2.1: Know NLM users and engage with persistence
	HMD Web Curated Content	2.1: Know NLM users and engage with persistence
	LinkOut for Libraries	2.1: Know NLM users and engage with persistence
	NLM Main Web	2.1: Know NLM users and engage with persistence
	NNLM Web Resources	2.1: Know NLM users and engage with persistence
	Outreach & Training	2.1: Know NLM users and engage with persistence
2.1f: Informatics Professionals Outreach, Training and Development	CBB Intramural Research Program	2.1: Know NLM users and engage with persistence
	DOCLINE	2.1: Know NLM users and engage with persistence
	HSRIC	2.1: Know NLM users and engage with persistence
	HSRProj	2.1: Know NLM users and engage with persistence
	HSRR	2.1: Know NLM users and engage with persistence
	NLM Main Web	2.1: Know NLM users and engage with persistence
	NNLM Web Resources	2.1: Know NLM users and engage with persistence
	Outreach & Training	2.1: Know NLM users and engage with persistence
	PHPartners.org	2.1: Know NLM users and engage with persistence
	SIS Outreach	2.1: Know NLM users and engage with persistence
2.2a: Branding of NLM	Audiovisual & Integrated Media Production	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	CBB Intramural Research Program	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Conference Services	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	DIMRC Website	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Disaster Lit	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	FDA Notices of Judgment	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	FOIA Service	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	HMD Web Curated Content	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Journalism Fellowship	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	MedlinePlus	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	MedlinePlus Connect	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	MedlinePlus magazine	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Musings from the Mezzanine	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	NLM in Focus	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	NLM Informational Media	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	NLM Main Web	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	OCPL Exhibitions	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Outreach & Training	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data

	SIS Outreach	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Social Media Platforms	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	WISER	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
3.1a: Data Science Core Skills Analysis	Outreach & Training	3.1: Expand and enhance research training for biomedical informatics and data science
3.2d: Assessment of extramural staff data science training needs	Outreach & Training	3.2: Assure data science and open science proficiency

NLM Strategic Plan Implementation Council

Thursday, November 7, 2019 // 4 - 5 pm
*Lindberg Room, Mezzanine, Building 38**

Agenda

- **Welcome and Recap of October Meeting** – Mike Huerta (5 minutes)
- **Share-out of Strategic Projects from NLM Divisions** – All (25 minutes)
  - Council members will share a strategic project from their respective division
- **Discussion of Communication around Strategic Projects** – All (30 minutes)
  - Drawing from the concrete examples discussed, how might we develop a strategy around communicating these projects? How can we connect them to progress in implementing the Strategic Plan?

_____
**To participate by WebEx*

When it's time, join the meeting.

https://nih.webex.com/nih/j.php?MTID=m6db842fed3d76f1d8d9938204f01305d

Meeting number (access code): 623 834 420

Meeting password: 8G2fb5MG

Join by phone: 1-650-479-3208 Call-in toll number (US/Canada)

Global call-in numbers

NLM Strategic Plan Implementation Council

Thursday, September 5, 2019 // 4 - 5 pm
Lindberg Room, Mezzanine, Building 38

Meeting Minutes

Increasing Visibility of the Strategic Plan – Jody Nurik

- Jody Nurik outlined a proposed communications strategy to increase the visibility of the strategic plan and its goals across the Library
    - Phase 1 would focus on strategically placing visuals around the Library with the pillars of the Strategic Plan
        - Idea is that if people want to see how their work connects to the Strategic Plan, they need to be reminded what the Strategic Plan is trying to achieve
    - Phase 2 would be more focused on directly relating the goals and objectives of the plan to activities happening across the Library to accomplish the vision
- Jody presented mock-ups of five different kinds of visual assets, which can be viewed in the presentation slides
    - Signage
    - Posters
    - Screensaver to provide to everyone and have in conference rooms
    - Plexiglass stands – two-sided
        - Should add logo to both sides
    - Business cards – two-sided

Discussion of Communication Strategy – All

- Patti Brennan asked about the green color palette, which might be difficult to read in a dark room
    - Decision was to put the graphics out to the community for feedback
    - General agreement around the room was that the print should be bigger, and we should ensure the graphics are high contrast
- Mike asked whether we envision other communication beyond the signage
    - Will send out a broadcast email announcing that the signage is now around the Library and ask them to think about those goals and how their work relates to them
    - Include that we want to hear from the community about the graphics and ideas they might have around further communications, as well as asking what they need from the Council
- Anatoly Mnev noted that it's great to have this visual communication out, but unless we connect it to the work people are doing around the Library, it may not achieve its maximum impact
    - People need to understand what their day-to-day jobs have to do with the Strategic Plan, so we will need to start an effort mapping activities to strategic goals and objectives

- Mike noted that we have already collected strategic projects in the data call for the NLM Portfolio Analysis
    - Can begin to identify the people working on those projects, and for instance, have a picture of that person with a quote and description of what they're doing and how it relates to strategic plan
    - Can have a generic poster about the Strategic Plan and additional posters about some of the strategic activities
- Anatoly also noted that it would be good to have dashboard with strategic projects, not just those listed in the ESM tool, with rolling updates so people can see the progress of different project
    - Can be available online
    - Mike noted that this was an idea when the Plan originally rolled out, but people haven't done a great job of consistently updated the progress of these projects
        - Anatoly noted that this dashboard and updating in the dashboard could be owned by the people directly working on those projects, rather than managers
- Valerie Schneider noted that some of the work that we do at NLM has aligned with these goals for a long time, so it would be important to show how those longstanding activities connect to the Strategic Plan
    - Patti noted that it's still important for NLM staff to recognize that there is a real shift that is happening in the Library's priorities, even as some day-to-day operations remain the same
    - Might be worthwhile to write a blog post to help NLM staff see what we've done over the years, how your work fits in with what we've done, and how the goals are about consolidating our efforts and driving the Strategic Plan
        - About taking the best strengths of the Library and using them to drive the science of the future

- Anne Altemus suggested that we could take one pillar of the Plan and show some projects that are being done to support the pillar; could have a series of posters around the Library
- Jody suggested creating videos, similar to those made for the Data Science Day, where staff could talk about what data science means to them
    - Could start Town Hall Meetings with these videos
    - Anatoly also suggested promoting certain projects, as they did during Data Science Day, creating videos and posters to post around the Library
        - Jody noted that the posters from Data Science Day have been captured and are on the Data Science wall
    - Anne noted that we can also push video through email
        - Each month, we could pick a pillar and highlight a project that supports it
        - Build a collection of demonstrated expression of the Strategic Plan
    - Mike noted that we'll need to identify who and what to highlight as a Council
        - Council members can bring ideas from their respective Divisions back to the Council

        - Anatoly noted that this doesn't need to be an exhaustive effort to capture everything
        - Showing staff that these are the objectives and goals of the Strategic Plan and here is how the work everyone is doing is being pushed up to support the goals/pillars
    - Rex Shuler noted that the useful thing about the pillars is that you can drill down into finer granularity – underlying the goals are the objectives, underlying the objectives are the strategic projects and initiatives
        - Can continue to drill down to show the work underneath it and the people supporting that work
- Patti suggested to Mike that as they consider the five-year update on the Strategic Plan, they might turn it around into a campaign asking NLM staff where they see themselves in the progress of the Strategic Plan to learn more about people's ideas
- Dan Cho noted that we might incorporate the pillars of the Strategic Plan on the NLM home page
    - Patti suggested going to the homepage and being able to click around to find stories about NLM staff and what they're doing to support the Strategic Plan
    - Anne noted that at the Board of Regents meeting, some of these stories were already highlighted, which can be shared – can call from the reports that were made there
- Patti suggested cleaning up the report that was given to the Board of Regents of all the different accomplishments over the year to share with the community
    - Everything from how many papers in PubMed Central that now have data associated with them to the number of people reached through the Data Science Training Initiative to the number of grant areas we've funded
- Jody noted that we need to make sure we're engaging a broad swath of NLM, so we're not focusing on people who already know a lot about the Plan, but are targeting those who don't so we can get them excited and engaged
    - Patti likes the idea of telling people that because of what they're doing, we're achieving the Strategic Plan – make the Plan more concrete and to recognize their efforts
    - Idea of the visuals is that they'll be around as a constant reminder of what the plan is
- Council members' input on different visual materials
    - People liked the poster, digital signage, and the business cards
    - Not much enthusiasm around the screensaver and the plexiglass sign
    - Anne also suggested creating a pop-up banner for the three pillars to display in Lister Hill and around the Library so that people coming through on tours can see what's going on across the Library

Round Robin Updates – All

- Mike for OSI
    - In April, OSI hosted a workshop where we brought about 15 librarians and iSchool faculty in to identify data science skills that would be useful for librarians working in research-based libraries, beyond data management assistance

        - OSI just finished a draft of the report on the workshop, led by Lisa Federer, and the draft was sent to Elaine Martin at Harvard University, who was the chair of the workshop, for comments; once we incorporate those comments, we'll be circulating the report to other participants
        - Subsets of the participants have been getting together and working on synthesizing and sharing outcomes of the workshop at various meetings
        - The document looks not only at the data science-related skills and services that data librarians should be thinking about, but also how general librarianship skills integrate with those more data-centric considerations
- Patti for OD
    - We are now under a continuing resolution, so we have enough funds to take us up through November 21st
        - Dr. Collins is optimistic that we will be having a budget resolution after that, which will likely be a minibus, so we won't be lumped in with Defense
    - Patti also gave Congressional testimony last week, which had a great response, and she thanked NLM staff for their work to support the testimony
- Dan Cho for MeSH
    - Have teamed up with NCBI taxonomy and have introduced their entire set of data into MeSH – turning all the terms they have into MeSH terms so they are discoverable
        - Set up as SCRs (Supplemental Concept Record)
        - With the inclusion of data related to bacteria, SCR has now grown 7%, and still have other kingdoms to incorporate
        - Supports Objective 1.1 – connecting NLM resources
- Valerie for NCBI
    - MEDLINE2020 group met a few weeks ago to look at the relationship of the gene database and indexing, as well as the progress on GeneRIFs (Gene Reference into Function)
        - Report from Jian Liu and staff on the indexing side who are looking into automating this process
        - Now discussions of programmatically pulling in relationships between genes and literature
    - Making sure that there will be engagement with users
- Rex for OCCS
    - IT assessment teams have been working hard to figure out ways to measure and quantify the accomplishments of NLM products
    - Have run into an impasse with the ways in which offerings have been described because they are no longer technical
        - No longer good alignment between IT assessment and offerings
        - There's a thought that those descriptions can be translated to map the component technologies (e.g. webpages) to offerings, but right now there's a disconnect
- Anne for OCPL

    - Noted that Patti has a talk coming up, which will be a retrospective on how the Library has successfully implemented the strategic plan, at the Charleston Publisher's Conference at the end of October/early November
    - The Tour program will be undergoing enhancements and updates with new information
        - Tara Mowery has had great numbers of people coming through
        - Need to highlight current research projects, people, and the new NLM vision
        - Doing a refresh now and would like thoughts and input on elements of divisions that should be featured
        - Jody noted that as new staff come on, part of their orientation should be a tour
        - Dan added that visitors could be given a business card with the pillars of the strategic plan when they tour
- Marie Gallagher for LHC
    - Have been participating in the IT Assessment Effort
    - Related to the third pillar, Marie got to participate in the Data Science Fundamentals class
        - She noted that in order to utilize the data science software and tools, trainees would need to use their own machines because of restrictions around what software can be downloaded
        - Mike asked Rex whether OCCS can set up machines that have the required data science tools (e.g. Jupyter notebooks) pre-installed for people who want to get training – developer desktops
    - Mike suggested that it would be useful for people who have data science skills that they aren't using for their jobs to put their skills into the Job Jar so they can put those skills to use
        - Right now, people who have ideas for projects can put those projects in, but the reverse isn't true
- Anatoly for NCBI
    - In October, PubMed 2.0 will go live, which will be the beginning of the transition for the whole PubMed, which should be complete by April 2020
        - Right now, PubMed Labs is undergoing rigorous testing to prepare for the transition later this month
- Jody for OCPL
    - Related to goal 2, will have the first trans-NLM social media working group to understand how we can cross-promote messages
        - How we're using social media, what kinds of accounts exist
        - Talk about metrics
    - After Patti's testimony on Wednesday, realized it would be nice to have one central place to go with talking points and updated statistics – now working on this
        - Right now, sources of information are the CJ, the strategic plan, Patti's testimony and FAQs, blogs, and presentations
        - Will then go out and interview people
- Rebecca for HMD

    - HMD opened a new exhibition in the HMD Reading Room on the first floor called *World Health Organization: Picturing Health for All*
        - Features a selection of images from the NLM Prints & Photographs collection of WHO photographs that highlight some of WHO's work in the 20th century
    - Thursday, October 10th have the next in the HMD Lecture with Ted Brown to talk about WHO's declaration from 1978
        - Being held in memory of Dr. James H. Cassedy
        - Will be in LHC Auditorium at 10am
    - Relaunched Pofiles in Science on Monday, profiles.nlm.nih.gov
        - Now integrated with the digital repository and are able to provide images and documents in new ways to people
- Karen Nimerick for LO
    - Had a nice exchange with SIS folks who joined the staff
        - Provided presentations on their respective products
        - HFTB and ToxNet will be integrated with PubChem, PubMed, and Bookshelf
            - Should finish work by end of December
    - DATMM project is making good progress and are working to finalize the data model
- Alicia Ross for EP
    - As of September 24th, awarded $55 million of NLM's funds and $16 million from co-funding
        - 67 new awards, 120 non-competing awards, and 5 supplements
    - Building priorities for FY2020

From: Gillikin, David (NIH/NLM) [E]
Sent: 6 Nov 2019 17:38:53 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Subject: FW: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Joyce
You don't need to try to read this full email trail. Basically Nancy Baker, Literature Informatics Researcher at EPA, has been asking questions about the Toxline transition, and wanting to know if NLM will be providing a lot of training and support for how to do the searching in PubMed that she issue to. This is ended up with Bert working with her and probably having a conference call with her in December. There is an apparent concern that there are some Toxline citations that may not make it into PubMed – Bert has asked her a list of those citations.

I just wanted you aware of this in case you or the Director's Office hears from EPA.

David

From: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Sent: Wednesday, November 6, 2019 12:26 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: FW: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

FYI ……. Time for you to know about this.

Jeanne

Jeanne C. Goshorn
Deputy Chief, Bibliographic Services Division
National Library of Medicine
Bldg 38A, Rm 4N417
8600 Rockville Pike
Bethesda, MD 20892
Jeanne.goshorn@nih.hhs.gov
301-496-4089

From: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Sent: Wednesday, November 6, 2019 12:21 PM
To: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

I just had a long call with Nancy. What we arrived at as a next step is a conference call with you, me, and possibly others such as NIEHS' Stephanie Holmgren to discuss this and what could be done. Likely in early December given Nancy's availability. She'll also be reaching-out to NIEHS' Stephanie Holmgren. The key thing seems to be that Nancy feels that there are some documents only in TOXLINE that would not be accessible if TOXLINE goes away. She'll get me a list of those. I suspect some of those documents could be added to Bookshelf as time goes on.

Bert

From: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Sent: Wednesday, November 6, 2019 11:58 AM
To: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
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From: Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Sent: Wednesday, November 6, 2019 11:50 AM
To: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
Subject: RE: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

And her boss = Charles Schmitt. Both are tasked with coming-up with recommendations for NIEHS leadership about what to do with Haz-Map and Household Products Database, and anything else that we may not want, e.g., ToxTutor. TOXLINE has yet to come up as a topic during my numerous interactions with NIEHS.

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Thanks, Bert. I did not notice that Stephanie was cc'd on the original message. That might explain where it came from. . . .

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FYI, I just sent her an email to suggest that she call me to discuss this (I didn't see her phone number anywhere). Did you notice who was copied on the "Monday, November 4, 2019 5:00 PM" email? How did NIEHS folks get added to this?

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I will but I am not a TOXLINE expert and use it very rarely.

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Would one of you let me know today who will be following up with Nancy on this?

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
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Subject: Re: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

What does this person mean by deliver? The PubMed sunset t for toxicology does the same thing, and just requires the use of that filter in your search strategy. It would also be possible to set up a recurring update search on PubMed that could be emailed.

Jesnne

Get Outlook for iOS

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"It's possible your group doesn't understand how TOXLINE has been used by the tox community. … Is it possible for the Toxline web site could remain functional to deliver current content even though new citations are not added?"…..

No idea how to respond to this-- your call. C

From: Baker, Nancy C. <Baker.Nancy@epa.gov>
Sent: Monday, November 4, 2019 5:00 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Cc: Holmgren, Stephanie (NIH/NIEHS) [E] <holmgre1@niehs.nih.gov>; Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>; Jones, Ryan <Jones.Ryan@epa.gov>; 'Sipes, Nisha' <Sipes.Nisha@epa.gov>
Subject: RE: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Dear Colette,

Thanks for writing back.

It's possible your group doesn't understand how Toxline has been used by the tox community. It's very important! I can only speak for one set of users, but they have protocols and processes they publish describing how they search bibliographic sites, including Toxline. They expect the community will reuse their queries and processes to retrieve the same set of article citations.

If the Toxline web site goes away, we will need to know how to reproduce Toxline results from previous projects given the new set of tools and how to construct a new protocol for future projects. And we'll need to have those new procedures ready for use soon.

Is it possible for the Toxline web site could remain functional to deliver current content even though new citations are not added? That would give us a chance to work on new procedures.

We would also like to advocate for some education and a chance to ask questions in an interactive setting.

I've copied in some colleagues who work with Toxline and support user communities.

Thank you,

Nancy Baker

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Monday, November 04, 2019 4:16 PM
To: Baker, Nancy C. <Baker.Nancy@epa.gov>
Subject: W: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Ms. Baker,

The National Library of Medicine does not plan to provide formal education and outreach regarding accessing TOXLINE content in PubMed.

As you may know, in recent years most of TOXLINE's content has come from PubMed. The portion that had been updated routinely was the reports from NTIS; that was discontinued earlier this year because NTIS now focuses on data science activities other than the routine collection of government reports.

The archived portion of TOXLINE, which included databases from a wide variety of time periods and sources, will remain available from the NLM data distribution center. In future, it is possible it will be also available via an NLM offering that allows more interactive access.

The core toxicology literature will continue to be available in PubMed and is readily accessible as the Toxicology subset using a PubMed filter (insert exact search term with "toxicology [SB] "). Help with this can be found at https://www.nlm.nih.gov/toxnet/toxline-help.html.

Thanks again for your inquiry.

Colette Hochstein, D.M.D., MLS
National Library of Medicine

Bethesda, MD 20892
☎ 301-827-5663
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From: Baker, Nancy C. <Baker.Nancy@epa.gov>
Sent: Friday, November 1, 2019 10:10 AM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Subject: RE: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Hi, Colette,

I was wondering if you (someone at NLM) is doing education and outreach on the phase out of Toxline. Toxline searches are an important part of the lit review requirements of many people in the tox field, both in EPA and outside. Would you be available for a Skype meeting or something similar?

Thanks,

Nancy

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Monday, September 30, 2019 8:10 AM
To: Baker, Nancy C. <Baker.Nancy@epa.gov>
Cc: NLM Support <nlm-support@nlm.nih.gov>
Subject: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Ms. Baker,

Thank you for your inquiry about NLM TOXLINE.
Regarding "Will all the synonym and chemical expansion features be intact?" No. However, NLM is working on a more unified approach to the handling of chemical terminology while consolidating its resources onto fewer software platforms.

Regarding "Will the non-Medline records be included?" No. For the past few years, only PubMed has been updated in TOXLINE. NTIS is moving away from the collection of government reports, which was the focus of its mission for many years. NLM is working on ways to make the archived portion of TOXLINE accessible to users, possibly via its data distribution program (https://www.nlm.nih.gov/databases/download/data_distrib_main.html).

Again, thank you for your email.

Colette Hochstein, D.M.D., MLS
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Bethesda, MD 20892
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From: NLM Support <nlm-support@nlm.nih.gov>
Sent: Thursday, September 26, 2019 2:01 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: Re: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

****
* PLEASE DO NOT MODIFY THE SUBJECT LINE OF THIS EMAIL WHEN RESPONDING TO ENSURE CORRECT TRACKING *

Case Information:
Case #: CAS-428977-S1N3S0
Customer Name: Nancy Baker
Customer Email: baker.nancy@epa.gov
Case Created: 2019-09-26T17:44:12Z

Summary: Toxline

Details: Hello,

We use Toxline a lot and would like to know more about the transition to PubMed. Will all the synonym and chemical expansion features be intact? Will the non-Medline records be included - this is important.

Is there someone I can talk to?

Thanks,

Nancy Baker
Literature Informatics Researcher
Leidos, contractor to the EPA

From: Backus, Joyce (NIH/NLM) [E]
Sent: 6 Nov 2019 18:33:41 +0000
To: Gillikin, David (NIH/NLM) [E]
Subject: RE: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Thanks for the heads up. Some hand-holding with key constituents is very sensible.

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Wednesday, November 6, 2019 12:39 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Subject: FW: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Joyce
You don't need to try to read this full email trail. Basically Nancy Baker, Literature Informatics Researcher at EPA, has been asking questions about the Toxline transition, and wanting to know if NLM will be providing a lot of training and support for how to do the searching in PubMed that she issue to. This is ended up with Bert working with her and probably having a conference call with her in December. There is an apparent concern that there are some Toxline citations that may not make it into PubMed – Bert has asked her a list of those citations.

I just wanted you aware of this in case you or the Director's Office hears from EPA.

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Sent: Wednesday, November 6, 2019 12:21 PM
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<hochstec@mail.nlm.nih.gov>; Hakkinen, Pertti (NIH/NLM) [E] <hakkinenp@mail.nlm.nih.gov>
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And her boss = Charles Schmitt. Both are tasked with coming-up with recommendations for NIEHS leadership about what to do with Haz-Map and Household Products Database, and anything else that we may not want, e.g., ToxTutor. TOXLINE has yet to come up as a topic during my numerous interactions with NIEHS.

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Subject: RE: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

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No idea how to respond to this-- your call. C

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Cc: Holmgren, Stephanie (NIH/NIEHS) [E] <holmgre1@niehs.nih.gov>; Schmitt, Charles (NIH/NIEHS) [E] <charles.schmitt@nih.gov>; Jones, Ryan <Jones.Ryan@epa.gov>; 'Sipes, Nisha' <Sipes.Nisha@epa.gov>
Subject: RE: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Dear Colette,

Thanks for writing back.

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The archived portion of TOXLINE, which included databases from a wide variety of time periods and sources, will remain available from the NLM data distribution center. In future, it is possible it will be also available via an NLM offering that allows more interactive access.

The core toxicology literature will continue to be available in PubMed and is readily accessible as the Toxicology subset using a PubMed filter (insert exact search term with

"toxicology [SB] "). Help with this can be found at https://www.nlm.nih.gov/toxnet/toxline-help.html.

Thanks again for your inquiry.

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: Baker, Nancy C. <Baker.Nancy@epa.gov>
Sent: Friday, November 1, 2019 10:10 AM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Subject: RE: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Hi, Colette,

I was wondering if you (someone at NLM) is doing education and outreach on the phase out of Toxline. Toxline searches are an important part of the lit review requirements of many people in the tox field, both in EPA and outside. Would you be available for a Skype meeting or something similar?

Thanks,

Nancy

From: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>
Sent: Monday, September 30, 2019 8:10 AM
To: Baker, Nancy C. <Baker.Nancy@epa.gov>
Cc: NLM Support <nlm-support@nlm.nih.gov>
Subject: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

Ms. Baker,

Thank you for your inquiry about NLM TOXLINE.
Regarding "Will all the synonym and chemical expansion features be intact?" No. However, NLM is working on a more unified approach to the handling of chemical terminology while consolidating its resources onto fewer software platforms.

Regarding "Will the non-Medline records be included?" No. For the past few years, only PubMed has been updated in TOXLINE. NTIS is moving away from the collection of government reports, which was the focus of its mission for many years. NLM is working on ways to make the archived portion of TOXLINE accessible to users, possibly via its data distribution program (https://www.nlm.nih.gov/databases/download/data_distrib_main.html).

Again, thank you for your email.

Colette Hochstein, D.M.D., MLS
National Library of Medicine
Bethesda, MD 20892
☎ 301-827-5663
Please consider the environment before printing this e-mail and all other electronic items. (Merci de penser à l'environnement avant d'imprimer ce courriel.)

From: NLM Support <nlm-support@nlm.nih.gov>
Sent: Thursday, September 26, 2019 2:01 PM
To: Hochstein, Colette (NIH/NLM) [E] <hochstec@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: Re: case #CAS-428977-S1N3S0: Toxline TRACKING:000267000007504

****
* PLEASE DO NOT MODIFY THE SUBJECT LINE OF THIS EMAIL WHEN RESPONDING TO ENSURE CORRECT TRACKING *

Case Information:
Case #: CAS-428977-S1N3S0
Customer Name: Nancy Baker
Customer Email: baker.nancy@epa.gov
Case Created: 2019-09-26T17:44:12Z

Summary: Toxline

Details: Hello,

We use Toxline a lot and would like to know more about the transition to PubMed. Will all the synonym and chemical expansion features be intact? Will the non-Medline records be included - this is important.

Is there someone I can talk to?

Thanks,

Nancy Baker
Literature Informatics Researcher
Leidos, contractor to the EPA

From: Samsel, Leigh (NIH/NLM) [E]
Sent: 7 Nov 2019 20:33:05 +0000
To: Huerta, Mike (NIH/NLM) [E]
Subject: FW: Reminder: NLM SP Imp Cncl Mtg This Thursday 11-7-19 @ 4pm
Attachments: List of Strategic Offerings.xlsx, NLM_SP_IC_agenda 11-7-19.docx, NLM SP ImpCncl Notes 2019-10-03.docx

Hi Mike,

Since I'm taking notes in the Implementation Council meeting, it would be best for someone else display their screen for the agenda and any documents which need to be viewed. This is the email Maryam sent with the agenda and list of Offerings.

I'll get the Webex started.

Thanks,
Leigh

Leigh Samsel, M.S.
Planning and Evaluation Officer
Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

Leigh.samsel@nih.gov
301-451-0162

From: Zaringhalam, Maryam (NIH/NLM) [C] <maryam.zaringhalam@nih.gov>
Sent: Tuesday, November 5, 2019 3:08 PM
To: NLMImpCouncil <NLMImpCouncil@mail.nih.gov>
Cc: Dunn, Kathel (NIH/NLM) [E] <dunnk@mail.nlm.nih.gov>; Samsel, Leigh (NIH/NLM) [E] <leigh.samsel@nih.gov>
Subject: Reminder: NLM SP Imp Cncl Mtg This Thursday 11-7-19 @ 4pm

Dear Strategic Plan Implementation Council Members,

A reminder that the NLM Strategic Plan Implementation Council will be meeting this Thursday, November 7th at 4pm in the Lindberg Conference Room. I've attached the agenda for your reference, and the prompt for our discussion below:

> To build off of some of the strategic communications ideas discussed at our last meeting, we would like to center our next meeting on a discussion of projects happening within your respective divisions that support the Strategic Plan. I've attached a list of NLM offerings that align to Strategic Objectives (tab 1) and Strategic Initiatives (tab 2) as a starting place. We'd like you to look through the list and select one from your respective divisions for our discussion, with attention to how we might practically develop a communication strategy around them (e.g. do we highlight the project through a blog post, in a video, through digital signage, at Town Hall meetings, etc.).

I've attached the agenda for the meeting, as well as notes from our last meeting if you need a refresh.

Thanks,
Maryam

***

Maryam Zaringhalam, PhD
(she/her/hers)
AAAS Science & Technology Policy Fellow
Office of Strategic Initiatives
National Library of Medicine
National Institutes of Health

8600 Rockville Pike
Bethesda, MD 20894
Tel: (301) 827-2420
Email: maryam.zaringhalam@nih.gov

Objective1	Offering Name	1: Accelerate discovery and advance health through data-driven research	2: Reach more people in more ways through enhanced dissemination and engagement	3: Build a workforce for data-driven research and health
1.1: Connect the resources of a digital research enterprise	CDD/SPARCLE			
	CDE Repository			
	ClinicalTrials.gov			
	DailyMed			
	dbGaP			
	Disaster Lit			
	DOCLINE			
	DR2			
	FDA Notices of Judgment			
	GenBank			
	GEO			
	GTR/MedGen			
	HMD DHMC			
	HMD Web Curated Content			
	HSRIC			
	HSRProj			
	HSRR			
	IndexCat			
	Loansome Doc			
	LocatorPlus			
	LSTRC Publisher Web Form			
	MEDLINE			
	MeSH RDF			
	MeSH Vocabulary			
	NLM Classification			
	NLM Collection			
	NLM Digital Collections			
	NLM Main Web			
	Outreach & Training			
	Pathogens			
	PHPartners.org			
	PMC			
	PubChem			
	PubMed			
	RefSeq			
	RxNorm			
	SeqTools			
	SFX			
	SNOMED CT			
	SRA			
	UMLS			
	VSAC			
	WISER			
1.2: Advance research and development in biomedical informatics and data science	CBB Intramural Research Program			
	CDD/SPARCLE			
	CDE Repository			
	ClinicalTrials.gov			
	DailyMed			
	dbGaP			
	dbSNP/dbVar			
	DOCLINE			
	GenBank			
	GEO			
	Loansome Doc			
	LocatorPlus			
	MEDLINE			
	MeSH Vocabulary			
	NLM Collection			
	NLM Extramural Grant Program			
	NLM Main Web			
	NLM Products and Services Directory			
	Pathogens			
	RefSeq			
	RxNorm			
	SeqTools			
	SNOMED CT			
	SRA			
	UMLS			
	VSAC			
1.3: Foster open science policies and practices	CHEMM			
	ClinicalTrials.gov			
	DailyMed			
	Data Discovery			
	DIMRC Website			
	Disaster Lit			
	DR2			
	GenBank			
	GEO			
	HSRIC			
	HSRProj			
	HSRR			
	Outreach & Training			
	PHPartners.org			
	REMM			
	RxNorm			
	SFX			
	SRA			
	WISER			
1.4: Create a sustainable institutional, physical, and computational infrastructure	ChemIDplus			
	dbGaP			
	DOCLINE			
	GenBank			
	GEO			
	GTR/MedGen			
	Haz-Map			
	Household Products Database			

	HSDB
	IRIS
	ITER
	LactMed
	LiverTox
	PMC
	PubChem
	PubMed
	SeqTools
	SRA
	TOXNET
2.1: Know NLM users and engage with persistence	AIDSinfo
	AIDSource
	AltBib
	American Indian Health
	Arctic Health
	CBB Intramural Research Program
	CDD/SPARCLE
	ChemIDplus
	CHEMM
	ClinicalTrials.gov
	Conference Services
	Data Discovery
	dbGaP
	DIMRC Website
	Disaster Lit
	DOCLINE
	DR2
	Drug Information Portal
	DSID
	DSLD
	Environmental Health and Toxicology Information
	Environmental Health Student Portal
	FDA Notices of Judgment
	FOIA Service
	GenBank
	GeneEd
	GEO
	GTR/MedGen
	Haz-Map
	HealthReach
	HMD DHMC
	HMD Web Curated Content
	Household Products Database
	HSDB
	HSRIC
	HSRProj
	HSRR
	IndexCat
	IRIS
	ITER
	Journalism Fellowship
	LactMed
	LinkOut for Libraries
	LiverTox
	Loansome Doc
	LocatorPlus
	LSTRC Publisher Web Form
	MEDLINE
	MedlinePlus
	MedlinePlus Connect
	MedlinePlus magazine
	MeSH Vocabulary
	Musings from the Mezzanine
	NLM Collection
	NLM Digital Collections
	NLM in Focus
	NLM Informational Media
	NLM Main Web
	NNLM Web Resources
	OCPL Exhibitions
	Outreach & Training
	Pathogens
	PHPartners.org
	Pillbox
	PMC
	PubMed
	RefSeq
	REMM
	SeqTools
	SFX
	SIS Main Website
	SIS Outreach
	Social Media Platforms
	SRA
	Substance Registration System
	Tox Mystery
	Tox Town
	Tox Tutor
	TOXLINE
	ToxMap
	TOXNET
	WISER
2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data	AccessGUDID
	AIDSinfo
	AIDSource
	AltBib
	American Indian Health
	Arctic Health

	Audiovisual & Integrated Media Production
	CBB Intramural Research Program
	CDD/SPARCLE
	CDE Repository
	ChemIDplus
	CHEMM
	Conference Services
	DailyMed
	Data Discovery
	dbGaP
	DIMRC Website
	Disaster Lit
	DOCLINE
	DR2
	Drug Information Portal
	DSID
	DSLD
	Environmental Health and Toxicology Information
	Environmental Health Student Portal
	FDA Notices of Judgment
	FOIA Service
	GenBank
	GeneEd
	GEO
	Haz-Map
	HealthReach
	HMD DHMC
	HMD Web Curated Content
	Household Products Database
	HSDB
	HSRIC
	HSRProj
	HSRR
	IndexCat
	IRIS
	ITER
	Journalism Fellowship
	LactMed
	LiverTox
	LocatorPlus
	LSTRC Publisher Web Form
	MEDLINE
	MedlinePlus
	MedlinePlus Connect
	MedlinePlus magazine
	MeSH RDF
	MeSH Vocabulary
	Musings from the Mezzanine
	NLM Classification
	NLM Collection
	NLM Digital Collections
	NLM in Focus
	NLM Informational Media
	NLM Main Web
	NNLM Web Resources
	OCPL Exhibitions
	Outreach & Training
	Pathogens
	PHPartners.org
	Pillbox
	PMC
	PubMed
	RefSeq
	REMM
	RxNorm
	SFX
	SIS Main Website
	SIS Outreach
	SNOMED CT
	Social Media Platforms
	SRA
	Substance Registration System
	Tox Town
	Tox Tutor
	TOXLINE
	ToxMap
	TOXNET
	UMLS
	VSAC
	WISER
2.3: Support research in biomedical and health information access methods and information dissemination strategies	AccessGUDID
	CBB Intramural Research Program
	CDD/SPARCLE
	CDE Repository
	Conference Services
	DailyMed
	dbGaP
	DOCLINE
	FOIA Service
	GenBank
	GEO
	Journalism Fellowship
	Loansome Doc
	LocatorPlus
	MEDLINE
	MedlinePlus Connect
	MedlinePlus magazine
	MeSH Vocabulary
	Musings from the Mezzanine

	NLM Collection
	NLM Extramural Grant Program
	NLM in Focus
	NLM Informational Media
	NLM Main Web
	NLM Products and Services Directory
	NNLM Web Resources
	OCPL Exhibitions
	Pathogens
	PMC
	PubMed
	RefSeq
	RxNorm
	SNOMED CT
	Social Media Platforms
	SRA
	UMLS
	VSAC
2.4: Enhance information delivery	AccessGUDID
	AIDSinfo
	AIDSource
	AltBib
	American Indian Health
	Arctic Health
	Audiovisual & Integrated Media Production
	BabelMeSH
	CDD/SPARCLE
	CDE Repository
	ChemIDplus
	CHEMM
	Conference Services
	DailyMed
	Data Discovery
	dbGaP
	DOCLINE
	Drug Information Portal
	DSID
	DSLD
	Environmental Health and Toxicology Information
	Environmental Health Student Portal
	FDA Notices of Judgment
	FOIA Service
	GenBank
	GeneEd
	GEO
	Haz-Map
	HealthReach
	HMD DHMC
	HMD Web Curated Content
	Household Products Database
	HSDB
	HSRIC
	HSRProj
	HSRR
	IndexCat
	IRIS
	ITER
	Journal Donation
	Journalism Fellowship
	LactMed
	LiverTox
	Loansome Doc
	LocatorPlus
	MEDLINE
	MedlinePlus
	MedlinePlus Connect
	MedlinePlus magazine
	MeSH RDF
	MeSH Vocabulary
	Musings from the Mezzanine
	NLM Collection
	NLM Digital Collections
	NLM Extramural Grant Program
	NLM in Focus
	NLM Informational Media
	NLM Main Web
	NLM Products and Services Directory
	NNLM Web Resources
	OCPL Exhibitions
	Outreach & Training
	Pathogens
	PHPartners.org
	Pillbox
	PMC
	PubMed
	PubMed for Handhelds
	RefSeq
	REMM
	RxNav
	RxNorm
	SFX
	SIS Main Website
	SIS Outreach
	SNOMED CT
	Social Media Platforms
	SRA
	Substance Registration System
	Tox Mystery
	Tox Town

	Tox Tutor
	TOXLINE
	ToxMap
	TOXNET
	Turning the Pages
	UMLS
	VSAC
	WISER
3.1: Expand and enhance research training for biomedical informatics and data science	CBB Intramural Research Program
	CDD/SPARCLE
	CDE Repository
	DailyMed
	dbGaP
	GTR/MedGen
	HSRIC
	HSRProj
	HSRR
	LinkOut for Libraries
	Medical Informatics Training Program
	NLM Extramural Grant Program
	NNLM Web Resources
	Outreach & Training
	PHPartners.org
	RefSeq
	RxNorm
	SNOMED CT
	UMLS
	VSAC
3.2: Assure data science and open science proficiency	dbGaP
	GTR/MedGen
	HSRIC
	NNLM Web Resources
	Outreach & Training
	PHPartners.org
3.3: Increase workforce diversity	CBB Intramural Research Program
	Medical Informatics Training Program
	NLM Extramural Grant Program
	Outreach & Training
3.4: Engage the next generation and promote data literacy	CBB Intramural Research Program
	HSRIC
	HSRProj
	NNLM Web Resources
	Outreach & Training
	PHPartners.org
	RefSeq
	SIS Outreach

Initiative1	Offering Name	Objective1	1: Accelerate discovery and advance health through data-driven research	2: Reach more people in more ways through enhanced dissemination and engagement	3: Build a workforce for data-driven research and health
1.1a: Assessment of MeSH and Auto-Indexing	Disaster Lit	1.1: Connect the resources of a digital research enterprise			
	GTR/MedGen	1.1: Connect the resources of a digital research enterprise			
	MEDLINE	1.1: Connect the resources of a digital research enterprise			
	MeSH Vocabulary	1.1: Connect the resources of a digital research enterprise			
1.1b: MEDLINE 2022	ClinicalTrials.gov	1.1: Connect the resources of a digital research enterprise			
	LSTRC Publisher Web Form	1.1: Connect the resources of a digital research enterprise			
	MEDLINE	1.1: Connect the resources of a digital research enterprise			
	MeSH Vocabulary	1.1: Connect the resources of a digital research enterprise			
	PMC	1.1: Connect the resources of a digital research enterprise			
	PubChem	1.1: Connect the resources of a digital research enterprise			
	PubMed	1.1: Connect the resources of a digital research enterprise			
1.1c: NLM Portfolio Assessment by MITRE	MEDLINE	1.1: Connect the resources of a digital research enterprise			
	MeSH Vocabulary	1.1: Connect the resources of a digital research enterprise			
	PMC	1.1: Connect the resources of a digital research enterprise			
	PubMed	1.1: Connect the resources of a digital research enterprise			
1.2a: Blue Ribbon Panel Review of NLM Intramural Research Program	CBB Intramural Research Program	1.2: Advance research and development in biomedical informatics and data science			
	NLM Main Web	1.2: Advance research and development in biomedical informatics and data science			
1.2b: NLM-NSF MOU Innovative Mathematical, Statistical, and Computational Approaches to Biomedical Data Science	ClinicalTrials.gov	1.2: Advance research and development in biomedical informatics and data science			
1.4a: TOXNet platform migration	ChemIDplus	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	dbGaP	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	Haz-Map	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	Household Products Database	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	HSDB	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	IRIS	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	ITER	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	LactMed	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	LiverTox	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	PMC	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	PubChem	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	PubMed	1.4: Create a sustainable institutional, physical, and computational infrastructure			
	TOXNET	1.4: Create a sustainable institutional, physical, and computational infrastructure			
2.1a: Outreach planning	CBB Intramural Research Program	2.1: Know NLM users and engage with persistence			
	DIMRC Website	2.1: Know NLM users and engage with persistence			
	DOCLINE	2.1: Know NLM users and engage with persistence			
	GTR/MedGen	2.1: Know NLM users and engage with persistence			
	HMD Web Curated Content	2.1: Know NLM users and engage with persistence			
	LinkOut for Libraries	2.1: Know NLM users and engage with persistence			
	Loansome Doc	2.1: Know NLM users and engage with persistence			
	NLM Main Web	2.1: Know NLM users and engage with persistence			
	NNLM Web Resources	2.1: Know NLM users and engage with persistence			
	Outreach & Training	2.1: Know NLM users and engage with persistence			
	SIS Outreach	2.1: Know NLM users and engage with persistence			

2.1b. Assessment of Tools used for NLM Resource Evaluation	SIS Outreach	2.1: Know NLM users and engage with persistence
2.1c: Assessment of Comparative Web Metrics	AIDSinfo	2.1: Know NLM users and engage with persistence
	AIDSource	2.1: Know NLM users and engage with persistence
	AltBib	2.1: Know NLM users and engage with persistence
	American Indian Health	2.1: Know NLM users and engage with persistence
	Arctic Health	2.1: Know NLM users and engage with persistence
	ChemIDplus	2.1: Know NLM users and engage with persistence
	CHEMM	2.1: Know NLM users and engage with persistence
	Data Discovery	2.1: Know NLM users and engage with persistence
	DIMRC Website	2.1: Know NLM users and engage with persistence
	Disaster Lit	2.1: Know NLM users and engage with persistence
	DR2	2.1: Know NLM users and engage with persistence
	Drug Information Portal	2.1: Know NLM users and engage with persistence
	DSID	2.1: Know NLM users and engage with persistence
	DSLD	2.1: Know NLM users and engage with persistence
	Environmental Health and Toxicology Information	2.1: Know NLM users and engage with persistence
	Environmental Health Student Portal	2.1: Know NLM users and engage with persistence
	GeneEd	2.1: Know NLM users and engage with persistence
	Haz-Map	2.1: Know NLM users and engage with persistence
	HealthReach	2.1: Know NLM users and engage with persistence
	Household Products Database	2.1: Know NLM users and engage with persistence
	HSDB	2.1: Know NLM users and engage with persistence
	IRIS	2.1: Know NLM users and engage with persistence
	ITER	2.1: Know NLM users and engage with persistence
	LactMed	2.1: Know NLM users and engage with persistence
	LiverTox	2.1: Know NLM users and engage with persistence
	MedlinePlus	2.1: Know NLM users and engage with persistence
	NLM Main Web	2.1: Know NLM users and engage with persistence
	NNLM Web Resources	2.1: Know NLM users and engage with persistence
	Outreach & Training	2.1: Know NLM users and engage with persistence
	Pillbox	2.1: Know NLM users and engage with persistence
	REMM	2.1: Know NLM users and engage with persistence
	SIS Main Website	2.1: Know NLM users and engage with persistence
	Substance Registration System	2.1: Know NLM users and engage with persistence
	Tox Mystery	2.1: Know NLM users and engage with persistence
	Tox Town	2.1: Know NLM users and engage with persistence
	Tox Tutor	2.1: Know NLM users and engage with persistence
	TOXLINE	2.1: Know NLM users and engage with persistence
	ToxMap	2.1: Know NLM users and engage with persistence
	TOXNET	2.1: Know NLM users and engage with persistence
	WISER	2.1: Know NLM users and engage with persistence
2.1d: User Experience / User Development Initiative	DOCLINE	2.1: Know NLM users and engage with persistence
	Loansome Doc	2.1: Know NLM users and engage with persistence
	LocatorPlus	2.1: Know NLM users and engage with persistence
	MedlinePlus	2.1: Know NLM users and engage with persistence
	NLM Digital Collections	2.1: Know NLM users and engage with persistence
	NLM Main Web	2.1: Know NLM users and engage with persistence
	Outreach & Training	2.1: Know NLM users and engage with persistence
	PMC	2.1: Know NLM users and engage with persistence
	PubMed	2.1: Know NLM users and engage with persistence
	SFX	2.1: Know NLM users and engage with persistence
	SIS Outreach	2.1: Know NLM users and engage with persistence

2.1e: External Communications Plans & Information Resources	DOCLINE	2.1: Know NLM users and engage with persistence
	HMD Web Curated Content	2.1: Know NLM users and engage with persistence
	LinkOut for Libraries	2.1: Know NLM users and engage with persistence
	NLM Main Web	2.1: Know NLM users and engage with persistence
	NNLM Web Resources	2.1: Know NLM users and engage with persistence
	Outreach & Training	2.1: Know NLM users and engage with persistence
2.1f: Informatics Professionals Outreach, Training and Development	CBB Intramural Research Program	2.1: Know NLM users and engage with persistence
	DOCLINE	2.1: Know NLM users and engage with persistence
	HSRIC	2.1: Know NLM users and engage with persistence
	HSRProj	2.1: Know NLM users and engage with persistence
	HSRR	2.1: Know NLM users and engage with persistence
	NLM Main Web	2.1: Know NLM users and engage with persistence
	NNLM Web Resources	2.1: Know NLM users and engage with persistence
	Outreach & Training	2.1: Know NLM users and engage with persistence
	PHPartners.org	2.1: Know NLM users and engage with persistence
	SIS Outreach	2.1: Know NLM users and engage with persistence
2.2a: Branding of NLM	Audiovisual & Integrated Media Production	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	CBB Intramural Research Program	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Conference Services	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	DIMRC Website	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Disaster Lit	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	FDA Notices of Judgment	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	FOIA Service	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	HMD Web Curated Content	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Journalism Fellowship	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	MedlinePlus	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	MedlinePlus Connect	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	MedlinePlus magazine	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Musings from the Mezzanine	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	NLM in Focus	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	NLM Informational Media	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	NLM Main Web	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	OCPL Exhibitions	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Outreach & Training	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data

	SIS Outreach	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	Social Media Platforms	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
	WISER	2.2: Foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data
3.1a: Data Science Core Skills Analysis	Outreach & Training	3.1: Expand and enhance research training for biomedical informatics and data science
3.2d: Assessment of extramural staff data science training needs	Outreach & Training	3.2: Assure data science and open science proficiency

NLM Strategic Plan Implementation Council

Thursday, November 7, 2019 // 4 - 5 pm
*Lindberg Room, Mezzanine, Building 38**

Agenda

- **Welcome and Recap of October Meeting** – Mike Huerta (5 minutes)
- **Share-out of Strategic Projects from NLM Divisions** – All (25 minutes)
  - Council members will share a strategic project from their respective division
- **Discussion of Communication around Strategic Projects** – All (30 minutes)
  - Drawing from the concrete examples discussed, how might we develop a strategy around communicating these projects? How can we connect them to progress in implementing the Strategic Plan?

_____
**To participate by WebEx*

When it's time, join the meeting.

https://nih.webex.com/nih/j.php?MTID=m6db842fed3d76f1d8d9938204f01305d

Meeting number (access code): 623 834 420

Meeting password: 8G2fb5MG

Join by phone: 1-650-479-3208 Call-in toll number (US/Canada)

Global call-in numbers

NLM Strategic Plan Implementation Council

Thursday, September 5, 2019 // 4 - 5 pm
Lindberg Room, Mezzanine, Building 38

Meeting Minutes

Increasing Visibility of the Strategic Plan – Jody Nurik

- Jody Nurik outlined a proposed communications strategy to increase the visibility of the strategic plan and its goals across the Library
    - Phase 1 would focus on strategically placing visuals around the Library with the pillars of the Strategic Plan
        - Idea is that if people want to see how their work connects to the Strategic Plan, they need to be reminded what the Strategic Plan is trying to achieve
    - Phase 2 would be more focused on directly relating the goals and objectives of the plan to activities happening across the Library to accomplish the vision
- Jody presented mock-ups of five different kinds of visual assets, which can be viewed in the presentation slides
    - Signage
    - Posters
    - Screensaver to provide to everyone and have in conference rooms
    - Plexiglass stands – two-sided
        - Should add logo to both sides
    - Business cards – two-sided

Discussion of Communication Strategy – All

- Patti Brennan asked about the green color palette, which might be difficult to read in a dark room
    - Decision was to put the graphics out to the community for feedback
    - General agreement around the room was that the print should be bigger, and we should ensure the graphics are high contrast
- Mike asked whether we envision other communication beyond the signage
    - Will send out a broadcast email announcing that the signage is now around the Library and ask them to think about those goals and how their work relates to them
    - Include that we want to hear from the community about the graphics and ideas they might have around further communications, as well as asking what they need from the Council
- Anatoly Mnev noted that it's great to have this visual communication out, but unless we connect it to the work people are doing around the Library, it may not achieve its maximum impact
    - People need to understand what their day-to-day jobs have to do with the Strategic Plan, so we will need to start an effort mapping activities to strategic goals and objectives

- Mike noted that we have already collected strategic projects in the data call for the NLM Portfolio Analysis
    - Can begin to identify the people working on those projects, and for instance, have a picture of that person with a quote and description of what they're doing and how it relates to strategic plan
    - Can have a generic poster about the Strategic Plan and additional posters about some of the strategic activities
- Anatoly also noted that it would be good to have dashboard with strategic projects, not just those listed in the ESM tool, with rolling updates so people can see the progress of different project
    - Can be available online
    - Mike noted that this was an idea when the Plan originally rolled out, but people haven't done a great job of consistently updated the progress of these projects
        - Anatoly noted that this dashboard and updating in the dashboard could be owned by the people directly working on those projects, rather than managers
- Valerie Schneider noted that some of the work that we do at NLM has aligned with these goals for a long time, so it would be important to show how those longstanding activities connect to the Strategic Plan
    - Patti noted that it's still important for NLM staff to recognize that there is a real shift that is happening in the Library's priorities, even as some day-to-day operations remain the same
    - Might be worthwhile to write a blog post to help NLM staff see what we've done over the years, how your work fits in with what we've done, and how the goals are about consolidating our efforts and driving the Strategic Plan
        - About taking the best strengths of the Library and using them to drive the science of the future

- Anne Altemus suggested that we could take one pillar of the Plan and show some projects that are being done to support the pillar; could have a series of posters around the Library
- Jody suggested creating videos, similar to those made for the Data Science Day, where staff could talk about what data science means to them
    - Could start Town Hall Meetings with these videos
    - Anatoly also suggested promoting certain projects, as they did during Data Science Day, creating videos and posters to post around the Library
        - Jody noted that the posters from Data Science Day have been captured and are on the Data Science wall
    - Anne noted that we can also push video through email
        - Each month, we could pick a pillar and highlight a project that supports it
        - Build a collection of demonstrated expression of the Strategic Plan
    - Mike noted that we'll need to identify who and what to highlight as a Council
        - Council members can bring ideas from their respective Divisions back to the Council

        - Anatoly noted that this doesn't need to be an exhaustive effort to capture everything
        - Showing staff that these are the objectives and goals of the Strategic Plan and here is how the work everyone is doing is being pushed up to support the goals/pillars
    - Rex Shuler noted that the useful thing about the pillars is that you can drill down into finer granularity – underlying the goals are the objectives, underlying the objectives are the strategic projects and initiatives
        - Can continue to drill down to show the work underneath it and the people supporting that work
- Patti suggested to Mike that as they consider the five-year update on the Strategic Plan, they might turn it around into a campaign asking NLM staff where they see themselves in the progress of the Strategic Plan to learn more about people's ideas
- Dan Cho noted that we might incorporate the pillars of the Strategic Plan on the NLM home page
    - Patti suggested going to the homepage and being able to click around to find stories about NLM staff and what they're doing to support the Strategic Plan
    - Anne noted that at the Board of Regents meeting, some of these stories were already highlighted, which can be shared – can call from the reports that were made there
- Patti suggested cleaning up the report that was given to the Board of Regents of all the different accomplishments over the year to share with the community
    - Everything from how many papers in PubMed Central that now have data associated with them to the number of people reached through the Data Science Training Initiative to the number of grant areas we've funded
- Jody noted that we need to make sure we're engaging a broad swath of NLM, so we're not focusing on people who already know a lot about the Plan, but are targeting those who don't so we can get them excited and engaged
    - Patti likes the idea of telling people that because of what they're doing, we're achieving the Strategic Plan – make the Plan more concrete and to recognize their efforts
    - Idea of the visuals is that they'll be around as a constant reminder of what the plan is
- Council members' input on different visual materials
    - People liked the poster, digital signage, and the business cards
    - Not much enthusiasm around the screensaver and the plexiglass sign
    - Anne also suggested creating a pop-up banner for the three pillars to display in Lister Hill and around the Library so that people coming through on tours can see what's going on across the Library

Round Robin Updates – All

- Mike for OSI
    - In April, OSI hosted a workshop where we brought about 15 librarians and iSchool faculty in to identify data science skills that would be useful for librarians working in research-based libraries, beyond data management assistance

        - OSI just finished a draft of the report on the workshop, led by Lisa Federer, and the draft was sent to Elaine Martin at Harvard University, who was the chair of the workshop, for comments; once we incorporate those comments, we'll be circulating the report to other participants
        - Subsets of the participants have been getting together and working on synthesizing and sharing outcomes of the workshop at various meetings
        - The document looks not only at the data science-related skills and services that data librarians should be thinking about, but also how general librarianship skills integrate with those more data-centric considerations
- Patti for OD
    - We are now under a continuing resolution, so we have enough funds to take us up through November 21st
        - Dr. Collins is optimistic that we will be having a budget resolution after that, which will likely be a minibus, so we won't be lumped in with Defense
    - Patti also gave Congressional testimony last week, which had a great response, and she thanked NLM staff for their work to support the testimony
- Dan Cho for MeSH
    - Have teamed up with NCBI taxonomy and have introduced their entire set of data into MeSH – turning all the terms they have into MeSH terms so they are discoverable
        - Set up as SCRs (Supplemental Concept Record)
        - With the inclusion of data related to bacteria, SCR has now grown 7%, and still have other kingdoms to incorporate
        - Supports Objective 1.1 – connecting NLM resources
- Valerie for NCBI
    - MEDLINE2020 group met a few weeks ago to look at the relationship of the gene database and indexing, as well as the progress on GeneRIFs (Gene Reference into Function)
        - Report from Jian Liu and staff on the indexing side who are looking into automating this process
        - Now discussions of programmatically pulling in relationships between genes and literature
    - Making sure that there will be engagement with users
- Rex for OCCS
    - IT assessment teams have been working hard to figure out ways to measure and quantify the accomplishments of NLM products
    - Have run into an impasse with the ways in which offerings have been described because they are no longer technical
        - No longer good alignment between IT assessment and offerings
        - There's a thought that those descriptions can be translated to map the component technologies (e.g. webpages) to offerings, but right now there's a disconnect
- Anne for OCPL

    - Noted that Patti has a talk coming up, which will be a retrospective on how the Library has successfully implemented the strategic plan, at the Charleston Publisher's Conference at the end of October/early November
    - The Tour program will be undergoing enhancements and updates with new information
        - Tara Mowery has had great numbers of people coming through
        - Need to highlight current research projects, people, and the new NLM vision
        - Doing a refresh now and would like thoughts and input on elements of divisions that should be featured
        - Jody noted that as new staff come on, part of their orientation should be a tour
        - Dan added that visitors could be given a business card with the pillars of the strategic plan when they tour
- Marie Gallagher for LHC
    - Have been participating in the IT Assessment Effort
    - Related to the third pillar, Marie got to participate in the Data Science Fundamentals class
        - She noted that in order to utilize the data science software and tools, trainees would need to use their own machines because of restrictions around what software can be downloaded
        - Mike asked Rex whether OCCS can set up machines that have the required data science tools (e.g. Jupyter notebooks) pre-installed for people who want to get training – developer desktops
    - Mike suggested that it would be useful for people who have data science skills that they aren't using for their jobs to put their skills into the Job Jar so they can put those skills to use
        - Right now, people who have ideas for projects can put those projects in, but the reverse isn't true
- Anatoly for NCBI
    - In October, PubMed 2.0 will go live, which will be the beginning of the transition for the whole PubMed, which should be complete by April 2020
        - Right now, PubMed Labs is undergoing rigorous testing to prepare for the transition later this month
- Jody for OCPL
    - Related to goal 2, will have the first trans-NLM social media working group to understand how we can cross-promote messages
        - How we're using social media, what kinds of accounts exist
        - Talk about metrics
    - After Patti's testimony on Wednesday, realized it would be nice to have one central place to go with talking points and updated statistics – now working on this
        - Right now, sources of information are the CJ, the strategic plan, Patti's testimony and FAQs, blogs, and presentations
        - Will then go out and interview people
- Rebecca for HMD

    - HMD opened a new exhibition in the HMD Reading Room on the first floor called *World Health Organization: Picturing Health for All*
        - Features a selection of images from the NLM Prints & Photographs collection of WHO photographs that highlight some of WHO's work in the 20th century
    - Thursday, October 10th have the next in the HMD Lecture with Ted Brown to talk about WHO's declaration from 1978
        - Being held in memory of Dr. James H. Cassedy
        - Will be in LHC Auditorium at 10am
    - Relaunched Pofiles in Science on Monday, profiles.nlm.nih.gov
        - Now integrated with the digital repository and are able to provide images and documents in new ways to people
- Karen Nimerick for LO
    - Had a nice exchange with SIS folks who joined the staff
        - Provided presentations on their respective products
        - HFTB and ToxNet will be integrated with PubChem, PubMed, and Bookshelf
            - Should finish work by end of December
    - DATMM project is making good progress and are working to finalize the data model
- Alicia Ross for EP
    - As of September 24th, awarded $55 million of NLM's funds and $16 million from co-funding
        - 67 new awards, 120 non-competing awards, and 5 supplements
    - Building priorities for FY2020

From: Carolyn Kurowski
Sent: 8 Nov 2019 14:18:13 +0000
To: Arnesen, Stacey (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E]
Subject: RE: Steering Committee Meeting Agenda (11/8)

11:00 would be perfect. Can I come to your office?

Carolyn Kurowski
Managing Partner
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From: Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Sent: Friday, November 8, 2019 9:16 AM
To: Carolyn Kurowski <CKurowski@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: RE: Steering Committee Meeting Agenda (11/8)

[EXTERNAL]
I have a conference call from 12-1. I can meet at 1 or I can meet at 11 or 11:30
stacey

From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Sent: Friday, November 8, 2019 9:12 AM
To: Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: RE: Steering Committee Meeting Agenda (11/8)

Sound good. Is there any chance you are free at 12:00 or 12:30 to discuss the draft DIMRC write up?

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From: Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Sent: Friday, November 8, 2019 9:10 AM
To: Carolyn Kurowski <CKurowski@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: RE: Steering Committee Meeting Agenda (11/8)

[EXTERNAL]
Carolyn,

I was asked to talk to some international visitors. I hope to be done by 10:30 and will come to the meeting then.

stacey

From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Sent: Friday, November 8, 2019 8:22 AM
To: Bryanne Reynolds <Breynolds@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Nicole Sroka <nicole@mindmoves.co>
Subject: RE: Steering Committee Meeting Agenda (11/8)

Good morning everyone,

It has been awhile since we have met as a team. Looking forward to checking in with everyone at 10:00 today.

Agenda items:

Sunset Communications:

- A retirement message has been put up on the page https://sis.nlm.nih.gov/ , for it announced the closure of SIS, and has links to the TOXNET products that are being sunsetted in December. However, other areas cited on this page are not sunsetting yet. The message was put up for it was on one of Florence's lists of things to do in relationship to the ToxNet NCBI working group that's been underway for 2 years now.

- Confirm everyone getting the sunsetting system communications following the system modifications by OCCS

- Status of Dietary Supplement Ingredient/Label Database—any updates from ODS?

- HSDB updates?

- Other project updates or questions?

Carolyn Kurowski
Managing Partner

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From: Carolyn Kurowski
Sent: Tuesday, October 22, 2019 8:53 AM
To: Bryanne Reynolds <Breynolds@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>
Subject: RE: Steering Committee Meeting Agenda (10/21)

Good morning everyone,

The following are the notes from the meeting including Wei's update on the release of the new functionality for the Sunsetting tool.

1. **Follow-up items from last week**

    a. Any changes to how follow-up communications are done for products that are initiated into the sunset process? Does everyone who needs to know get notified?
    Update from Wei: Following Changes (per meeting's discussion and requirements) have been implemented and pushed to production yesterday afternoon for sunsetting system:

        - The system will now notify approvers, internal staff to be notified, submitter of the request and key staff involved when someone takes an action on a request.
        - The reports permission now is given to all users.

    b. Carolyn to provide text for how to narrow the focus of Disaster program—any questions/discussion needed?
    Carolyn to schedule a meeting with Joyce and Stacey to review language

    c. Any updates to timeline of actions and internal decision on REMM?
    Check with Stacey

    d. Any updates to timeline of actions and internal decision on DR2?

Check with Stacey

e. Full cost estimate for ChemIDPlus?
The ask is not to provide a full cost estimate but for the group to be aware that the costs are changing/increasing. Need this information by when? OCCS has identified a placeholder estimate of 7X the cost from FY19 and is waiting for a firmer estimate from Oracle, but will include an estimate in the OCCS budget to make sure it will be covered. A decision about the actual way forward for this product will need to be make in the spring (the budget estimate does not mean will automatically move forward with keeping this product).

f. Dietary Supplement Ingredient/Label Database—any updates from ODS?
ODS knows the server is coming down in December. Rich (ODS project officer) has as a cost estimate and is working on this now. Jeanne will check in with Rich David and Jeanne will provide a list of products that are coming down; in "Francis" language; help from Carolyn to get this list in good order.

g. Final decision to sunset Household Products Database?
Proceeding with including that in the December retirements; vendor has been notified. This will be done prior to the end of the contract.

h. Has Pillbox communications gone out to staff?
No, David needs the general communication, message to David Hale provide your justification to Joyce by end of the week, know that unless he has brand new information (sustainable model) Joyce will not change her mind about sunsetting Pillbox. Plan would then be to work on taking this down in January. (time to

i. HSDB—meeting between David and Joyce and Dianne?
David and Wei have determined that HSDB violates security requirements in several ways. Had a meeting with Contracts to do a stop work order. Anticipate penalties. Trying to identify special projects to use money effectively (environmental scans to determine what other products are available, do any Federal agencies out there have definitive list of chemicals that should be included, even have feedback on most useful elements). Only half of the FY19 money was obligated, will not be using FY20 funds, and HSDB will "go into hiatus" for a few years. During that time evaluate if it should be brought back using a new content management system. For users, content system was already being changed over to PubChem, and all resources available. NCBI will to go with the status quo but they do not want to be developing a new content management system. Jeanne and team will ask for use information.
If there is an emergency chemical information need, NLM could be asked to do a manual update to the records, after coordinating with other agencies.

2. **Continue to review the status of transitioning SIS products (I've attached the meeting notes from last week as well as the most recent version of the product list)**

Drug information portal – Works off of ChemID, different interface and pulling information from same searches so if ChemID goes away, this should go away as well. Meng can fix dead link problem while she fixes them in ChemID (actually happens automatically for Drug Info Portal). This will give us more time to answer the question "What is NLM's Drug Information goal/intentions?" Has solid use information and could end up being a valued product but need time to determine.

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From: Bryanne Reynolds <Breynolds@fmpconsulting.com>
Sent: Thursday, October 17, 2019 6:48 PM
To: Carolyn Kurowski <CKurowski@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>
Subject: Steering Committee Meeting Agenda (10/21)

Hi all,

Here's an agenda for Monday's Steering Committee meeting. Carolyn will be back with you all facilitating the meeting. Have a good rest of the week/weekend!

Agenda 10/21

1. **Follow-up items from last week**
    a. Any changes to how follow-up communications are done for products that are initiated into the sunset process? Does everyone who needs to know get notified?
    b. Carolyn to provide text for how to narrow the focus of Disaster program—any questions/discussion needed?
    c. Any updates to timeline of actions and internal decision on REMM?
    d. Any updates to timeline of actions and internal decision on DR2?
    e. Full cost estimate for ChemIDlus?

f. Dietary Supplement Ingredient/Label Database—any updates from ODS?
g. Final decision to sunset Household Products Database?
h. Has Pillbox communications gone out to staff?
i. HSDB—meeting between David and Joyce and Dianne?

2. **Continue to review the status of transitioning SIS products (I've attached the meeting notes from last week as well as the most recent version of the product list)**
   - What is the current plan (dates and activities)?
   - What assistance is needed/requested?
   - Does the team need a decision to move forward?
   - Do team members need to coordinate on some aspect of the plan (technology, communication, research)?
   - Sunsetting product lessons learned/shared process development

3. **Sunsetting product lessons learned/shared process development**

Thanks,
Bryanne

Bryanne Cordeiro Reynolds, Ph.D.
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From: Gillikin, David (NIH/NLM) [E]
Sent: 15 Nov 2019 18:39:24 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Lockett-Jordan, Deborah (NIH/NLM) [E];Ma, Wei (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E]
Subject: TB article re: new homes for TOXNET products

Everyone
As an FYI, here's a link to the draft TB article that identifies where tox related products are moving to. As I mentioned, OCPL has already reviewed the article and provided feedback.
And like any TB article, if somethings change, we can edit the article later. It will be published on Monday.
David
https://teamsite.nlm.nih.gov:81/iw-mount/default/main/nlm/WORKAREA/common/htdocs/pubs/techbull/nd19/nd19_toxnet_new_locations.html

From: Scott, Nicole (NIH/NLM) [E]
Sent: 18 Nov 2019 16:34:56 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Middleton, Grace (NIH/NLM) [C];Tuncer, Diane (NIH/NIDDK) [E]
Subject: FW: TB article re: new homes for TOXNET products

Fyi, this article was discussed in the Steering Committee meeting on last Friday. OCPL already approved, but the link is below.

Nicole Scott, MPH
Public Affairs Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Office: 301-827-5893
Email: Nicole.Scott@nih.gov

From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Monday, November 18, 2019 10:48 AM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>
Subject: RE: TB article re: new homes for TOXNET products

Thanks for sharing. Definitely just the facts.

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Friday, November 15, 2019 1:39 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>
Subject: TB article re: new homes for TOXNET products

Everyone

As an FYI, here's a link to the draft TB article that identifies where tox related products are moving to.
As I mentioned, OCPL has already reviewed the article and provided feedback.
And like any TB article, if somethings change, we can edit the article later. It will be published on Monday.

David

https://teamsite.nlm.nih.gov:81/iw-mount/default/main/nlm/WORKAREA/common/htdocs/pubs/techbull/nd19/nd19_toxnet_new_locations.html

From: Soaring Bear
Sent: 18 Nov 2019 23:16:38 +0000
To: Brennan, Patti (NIH/NLM) [E]
Subject: Fw: NLM Announcements

This so called 'new' pubmed is the same one promoted for a year and continues to SUCK BADLY for hiding details TWO links away from results, while wasting space by giving prominence to results by year. I have protested this hiding of DETAILS multiple times to no avail.

How can I keep the critical DETAILS with search results as has been the case for many years?

This is so CRITICAL because nearly every search is interpreted and DETAILS is the only way to see if the interpretations are appropriate or require manual manipulation. Making that two link jump-wait for every search attempt is dreadful.

Soaring Bear Ph.D. Pharmacology (Medline-MeSH-NLM-NIH retired)
https://www.linkedin.com/in/soaringbear/

----- Forwarded Message -----
From: NLM Office Of Communications <nlm_officeofcommunications@public.govdelivery.com>
To: "soaringbear@yahoo.com" <soaringbear@yahoo.com>
Sent: Monday, November 18, 2019, 5:01:44 PM CST
Subject: NLM Announcements

NIH U.S. National Library of Medicine

You are subscribed to NLM Announces from the U.S. National Library of Medicine.

NLM Technical Bulletin, Nov-Dec 2019, TOXNET Update: New Locations for TOXNET Content

11/18/2019 01:25 PM EST

As noted in a previous Technical Bulletin, TOXNET will be retired on December 16, 2019. Most content will remain available through other NLM databases, as well as from external websites. Currently available information about where to find that content appears below. We will continue to keep you updated as

changes take place.

NLM Technical Bulletin, Nov-Dec 2019, The New PubMed is Here

11/18/2019 10:45 AM EST

An updated version of PubMed is now available at https://pubmed.ncbi.nlm.nih.gov/ (see Figure 1). The new PubMed will become the default in spring 2020 and will ultimately replace the legacy version.

NLM Senior Investigator Dr. Zhiyong Lu, PhD, Elected into the American College of Medical Informatics

11/18/2019 09:03 AM EST

On November 17, National Library of Medicine (NLM) Senior Investigator Zhiyong Lu, PhD, FACMI, was inducted into the American College of Medical Informatics (ACMI), which is part of the American Medical Informatics Association (AMIA). Dr. Lu is an investigator in the NLM's Intramural Research Program in the NLM's National Center for Biotechnology Information (NCBI).

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GOVDELIVERY

Sent: 20 Nov 2019 16:21:03 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: FW: TB article re: new homes for TOXNET products

Jody – did you review this page? I wondered about ways to address a concern Patti expressed to me about not wanting to appear to be limiting or ending access to government scientific information.

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Friday, November 15, 2019 1:39 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>
Subject: TB article re: new homes for TOXNET products

Everyone

As an FYI, here's a link to the draft TB article that identifies where tox related products are moving to. As I mentioned, OCPL has already reviewed the article and provided feedback.
And like any TB article, if somethings change, we can edit the article later. It will be published on Monday.

David

https://teamsite.nlm.nih.gov:81/iw-mount/default/main/nlm/WORKAREA/common/htdocs/pubs/techbull/nd19/nd19_toxnet_new_locations.html

From: Carolyn Kurowski
Sent: 25 Nov 2019 16:33:35 +0000
To: Gillikin, David (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Wilson, Amanda (NIH/NLM) [E];Ma, Wei (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E];Arnesen, Stacey (NIH/NLM) [E]
Subject: RE: List of Apps

Thank you David.

Carolyn Kurowski
Managing Partner
FMP Consulting
2900 South Quincy Street, Suite 200, Arlington, VA 22206
T (703) 671-6600, ext. 104 | C Personal Info | F (703) 671-6924
ckurowski@fmpconsulting.com
Follow FMP: Website | Twitter | LinkedIn | Facebook

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Monday, November 25, 2019 11:08 AM
To: Carolyn Kurowski <CKurowski@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Subject: List of Apps

[EXTERNAL]
Everyone

Here's the list of SIS Apps and background info that we had uncovered. This list goes beyond just Tox/Chem products. The BSD sunset group will be handling the Tox/Chem/Pillbox items only.

David

Specialized Information Services – Mobile Apps

AIDSinfo Guidelines

- Project lead: **Nicole Scott (LO/OET), Allison McDougall (ICF)**
- App developer: **ICF**
- Mobile platforms: **iOS, Android**
- Is the associated project still active? **Yes**
- Is app actively being developed? **No**
- Is the app's data being updated? **Yes**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is there funding and/or a contract associated with the app? **Yes**
- User groups/use cases

- **AIDSinfo Guidelines – Developed for healthcare professionals that treat individuals with HIV. The AIDS*info* HIV/AIDS Guidelines app provides access to the federally approved HIV/AIDS medical practice guidelines.**
- **The app offers treatment recommendations approved by expert panels for the treatment of adult, adolescent, pediatric, and perinatal HIV infection, as well as the prevention and treatment of HIV-related opportunistic infections in adults, adolescents, and children.**

AIDSinfo Drug Database

- Project lead: **Nicole Scott (LO/OET), Allison McDougall (ICF)**
- App developer: **ICF**
- Mobile platforms: **iOS, Android**
- Is the associated project still active? **Yes**
- Is app actively being developed? **No**
- Is the app's data being updated? **Yes**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is there funding and/or a contract associated with the app? **Yes**
- User groups/use cases
    - **AIDSinfo Drug Database - The AIDS*info* HIV/AIDS Drug Database app provides access to the same drug information provided by the AIDS*info* Drug Database.**
    - **The app includes two versions of each drug summary—one for consumers (English and Spanish) and one for health care professionals.**
    - **The app automatically refreshes content, so the information is always up to date. Also links users to relevant clinical trials.**

AIDSinfo Glossary

- Project lead: **Nicole Scott (LO/OET), Allison McDougall (ICF)**
- App developer: **ICF**
- Mobile platforms: **iOS, Android**
- Is the associated project still active? **Yes**
- Is app actively being developed? **No**
- Is the app's data being updated? **Yes**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is there funding and/or a contract associated with the app? **Yes**
- User groups/use cases
    - **AIDSinfo Glossary – Developed for a consumer audience. The app includes English and Spanish definitions of more than 700 HIV/AIDS-related terms (the same terms found in the AIDS*info* Glossary of HIV/AIDS-Related Terms.).**

LactMed

- Project lead: **Ying Sun (OCCS/AB)**
- App developer: **Ying Sun (OCCS/AB)**
- Mobile platforms: **iOS**
- Is the associated project still active? **Yes**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is app actively being developed? **No**

- Is the app's data being updated?
- Is there funding and/or a contract associated with the app?**No**
- User groups/user cases
    - **LactMed a database of drugs and dietary supplements that may affect breastfeeding. It includes information on the levels of such substances in breast milk and infant blood, and possible adverse effects in the nursing infant. Suggested therapeutic alternatives to those drugs are provided, where appropriate.**
    - **All data are derived from the scientific literature and fully referenced. Summaries of the reported information are provided and include links to other NLM databases. Supplemental links to breastfeeding resources from credible organizations are also provided.**

Embryo

- Project lead: **Ying Sun (OCCS/AB)**
- App developer: **Ying Sun (OCCS/AB)**
- Is the associated project still active? **No**
- Mobile platforms: **iOS**
- Is app currently available in the Apple App Store/Google Play Store? **No**
- Is app actively being developed? **No**
- Is the app's data being updated? **N/A**
- Is there funding and/or a contract associated with the app? **No**
- User groups/use cases
    - **see https://link.springer.com/chapter/10.1007%2F978-3-642-24826-9_48**

Base Chase

- Project lead: **Alla Keselman (LO/OET)**
- App developer: **SIS interns**
- Is the associated project still active? **No**
- Mobile platforms: **iOS**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is app actively being developed? **No**
- Is the app's data being updated? **N/A**
- Is there funding and/or a contract associated with the app? **No**
- User groups/user cases
    - **In Base Chase a cartoon mascot DeeNA jumps onto fast moving platforms to grab DNA bases and complete unique DNA strands of various animals. The game supports high school biology curriculum. Short (about 5 minutes) meaningful in-class game sessions are possible.**

Bohr Thru

- Project lead: **Alla Keselman (LO/OET)**
- App developer: **SIS interns**
- Is the associated project still active? **No**
- Mobile platforms: **iOS**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is app actively being developed? **No**

- Is the app's data being updated? **N/A**
- Is there funding and/or a contract associated with the app? **No**
- User groups/user cases
    - **Bohr Thru uses a 3-match game style to collect protons, neutrons, and electrons to create the first 18 elements on the periodic table. Element structures are further reinforced during bonus rounds where players that successfully build Bohr models earn "power-ups" to use in the 3-match game. Atom, the game's mascot, travels along with you and provides fun and interesting facts about the chemical elements.**
    - **The game supports entry level chemistry curriculum. Short, (about 5 minutes,) meaningful, in-class game sessions are possible.**

Run4Green

- Project lead: **Alla Keselman (LO/OET)**
- App developer: **SIS interns**
- Is the associated project still active? **No**
- Mobile platforms: **iOS**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is app actively being developed? **No**
- Is the app's data being updated? **N/A**
- Is there funding and/or a contract associated with the app? **No**
- User groups/user cases
    - **Run4Green helps K-12 students to explore the topics of environmental conservation.**
    - **It reinforces the concepts of greenhouse gas reduction, using renewable energies, and making green product purchases. It teaches students on how to go green and what green products are.**

TOXinvaders

- Project lead: **Ying Sun (OCCS/AB)**
- App developer: **Ying Sun (OCCS/AB)**
- Is the associated project still active? **No**
- Mobile platforms: **iOS**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is app actively being developed? **No**
- Is the app's data being updated? **N/A**
- Is there funding and/or a contract associated with the app? **No**
- User groups/user cases
    - **TOXinvaders engages young adolescents in a fast-paced attack on toxic chemicals in the environment.**
    - **The game supports middle school science concepts about environment and health.**

Tox-App

- Project leads: **Ying Sun (OCCS/AB), Colette Hochstein (LO/PSD)**
- App developer: **SIS intern, Ying Sun (OCCS/AB)**
- Is the associated project still active? **No**
- Mobile platforms: **iOS**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**

- Is app actively being developed? **No**
- Is the app's data being updated? **No. Currently provides the TRI 2016 data set.**
- Is there funding and/or a contract associated with the app? **No**
- User groups/user cases
    - **Scientific research professionals, Public health professionals, Toxicologists, Environmental lawyers, "Concerned citizens" with an active interest in environmental health issues, Environmental health/justice specialists, IT specialists, GIS specialists, Students, Industrial hygienists, Informatics analysts, Medical librarians**
    - **Tox-App is based on the web-based NLM TOXMAP (https://toxmap.nlm.nih.gov).**
    - **Tox-App lets users search for industrial facilities that most recently reported releasing certain chemicals into the environment to the US EPA TRI program.**
    - **Tox-App provides some of the basic TOXMAP functions, including the ability to search for reporting facilities, or browse for these facilities by chemical, state, or county.**

WISER

- Project leads: **Jen Pakiam (LO/PSD)**
- App developer: **Next Century Corporation (NLM contract)**
- Is the associated project still active? **Yes**
- Mobile platforms: **iOS, Android**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is app actively being developed? **Yes**
- Is the app's data being updated? **Yes**
- Is there funding and/or a contract associated with the app? **Yes, with the contract we have with Next Century Corporation. This contract will expire 09/29/19, so is being re-competed.**
- User groups/user cases
    - **A system designed to assist emergency responders in hazardous material incidents. WISER provides a wide range of information on hazardous substances, including substance identification support, physical characteristics, human health information, and containment and suppression advice. Modified slightly from https://wiser.nlm.nih.gov/**
    - **Responders typically have it on their personal devices & consult it for training & when responding on-scene. App is also downloaded to various department devices.**

MobileREMM

- Project leads: **Jen Pakiam (LO/PSD)**
- App developer: **Next Century Corporation (NLM contract)**
- Is the associated project still active? **Yes**
- Mobile platforms: **iOS, Android**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is app actively being developed? **Yes**
- Is the app's data being updated? **Yes**
- Is there funding and/or a contract associated with the app? **Yes, via NLM and ASPR funds**
- User groups/user cases
    - **Mobile REMM contains selected, key files from the online, full version of REMM**
    - **Reference & training exercises related to radiation emergencies**

ERG2016 (soon to be ERG2020)

- Project leads: **Jen Pakiam (LO/PSD)**
- App developer: **Next Century Corporation (NLM contract)**
- Is the associated project still active? **Yes**
- Mobile platforms: **iOS, Android**
- Is app currently available in the Apple App Store/Google Play Store? **Yes**
- Is app actively being developed? **Yes**
- Is the app's data being updated? **Yes**
- Is there funding and/or a contract associated with the app? **Yes. IAA funds from DOT/PHMSA are used to develop & maintain this app (through the contract with Next Century Corporation).**
- User groups/user cases
    - **ERG2016 is a free, mobile web app of the Emergency Response Guidebook 2016 (ERG). The safety tool provides the nation's emergency responders with fast, easily accessible information to help them manage hazardous material incidents.**
    - **Modified slightly from: https://www.phmsa.dot.gov/hazmat/erg/erg2016-mobileapp**
    - **Responders typically have it on their personal devices & consult it for training & when responding on-scene. App is also downloaded to various department devices.**

Pillbox

- Project leads: **David Hale (LO/BSD)**
- App developer: **Gotomedia**
- Is the associated project still active? **Yes**
- Mobile platforms: **iOS**
- Is app currently available in the Apple App Store/Google Play Store? **No**
- Is app actively being developed? **No**
- Is the app's data being updated? **N/A**
- Is there funding and/or a contract associated with the app? **No**
- User groups/user cases
    - **The Pillbox mobile app provided offline access to Pillbox's data and images to support offline identification and information retrieval of pills.**
    - **Emergency medical personnel and law enforcement who required this information when cell/internet service were not available, such as in rural/aquatic environments, lower levels of buildings, and other connectivity-challenging situations. Patients and caregivers were also established users.**
    - **Texas Parks & Wildlife Department Law Enforcement Division had the Pillbox mobile app installed on 800 officer's phones, with active use in the field.**
    - **HHS Design Fellows conducting user research interviewed emergency and law enforcement personnel, finding praise for Pillbox's mobile user experience and substantial need for the functionality, data, images to be provided in an offline application. Interviewees have also stated these tasks have become more difficult to perform in the absence of the Pillbox app.**

From: Babski, Dianne (NIH/NLM) [E]
Sent: 29 Nov 2019 21:35:19 +0000
To: NLM LO ADLO;Auld, Vivian (NIH/NLM) [E];Gallagher, Patricia (NIH/NLM) [E];Lang, Lisa A (NIH/NLM) [E];Sedlar, Lisa (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: LO Div Ch notes

Reminders!

1. **All staff should be working with their supervisors to take their "use or lose" leave by Jan 4.**
2. **All NIH employees must complete Annual Ethics Training before Friday, December 13, 2019. The training module contains several scenarios and hypothetical questions, providing a self-check of your understanding. Upon completion, you will have the option to "print" or "save" a certificate for your own records. Please note: you must complete the entire module through to the certificate page for your training to be automatically recorded in the ethics database. Go to the following link to start this training: https://ethics.od.nih.gov/Training/AET.htm.**

November 28, 2019 ~ *Happy Thanksgiving to all!*

AFP (Kathel)
On December 17, 2019, Kathel Dunn and Associate Fellows will visit the Goddard Library, NASA.
ADLO (Dianne)
Library Operations will hold its All Staff Meeting on Tuesday, December 3, 2019, 10am – 11am. Along with Division announcements and a Space Planning Update, the Division Chiefs will present Division Accomplishments for FY19; Goals for FY20.
HMD (Jeff)

- Congratulations to
    - All involved in the selection and announcement of first venues for NLM Exhibitions Connect, which encourages venues hosting NLM banner exhibitions to engage with and disseminate NLM health information resources to their communities as part of the experience of hosting NLM banner exhibitions.
    - Holly Herro whose abstract "Leather selection and use: The impact of conservators' choices" has been selected for a poster presentation to be part of the 48th American Institute for Conservation (AIC) Annual Meeting in Salt Lake City, UT - May 19-23 2020. This is a continuation of the work Holly and her team have been conducting of how different binding leathers, both modern and historical, were made and what causes their differing levels of aging and deterioration.
- Thanks to:
    - Stephen Greenberg for his planning to welcome to HMD, during the afternoon of December 11, staff of Dumbarton Oaks Research Library and Collection. This engagement is a direct outcome of Steve receiving and accepting an invitation from the Dumbarton Oaks in late 2017, to represent NLM in discussions about the digitization of source materials important for the study of the history of botany, as part of ongoing collaboration between Dumbarton Oaks and JSTOR and JSTOR Labs, and involving several universities and public institutions and their contributions to teaching and research related to plant collections (herbaria, rare books, taxonomic databases, etc.), which have been digitized or lend themselves to digitization. The aim of the workshop

was to foster an exchange of ideas about qualitative and quantitative sources relating to plants and their social contexts, and to determine the best ways of making primary sources available to researchers and students.
    - Tara Mowery for giving HMD a helpful heads-up about a special visit to HMD, on January 30, 2020, of 50 STEM producers from PBS Learning Media, as part of an NIH tour being arranged by NIGMS and involving its director Dr. Lorsch who will talk with about NIGMS Science Education Partnership Awards (SEPA) program and resources, as well as other NIH STEM materials.
- Jeff Reznick visited Weill Cornell Medical Center to deliver a Heberden Society Lecture entitled *So Comes the Sacred Work: Disabled Soldiers and the Humanitarianism of John Galsworthy during the Great War*, encompassing aspects of his research and publications based on NLM's collections and resources. Approximately 40 individuals attended Jeff's lecture, three of whom indicated their interest to write for *Circulating Now*, based on their use of NLM's historical collections, and after Jeff featured the blog in his introductory remarks. Jeff also participated ex-officio in the fall meeting of the advisory committee of the Medical Center Archives of NewYork-Presbyterian/Weill Cornell Medicine, and visited colleagues at the library of the Hospital for Special Surgery, and at the New York Academy of Medicine.

November 21, 2019
LO (Jeff)

- The group* leading the planning and implementation of the combined reading room functions met again this week, as part of their ongoing bi-weekly schedule of meetings. This week's focus was primarily on a draft layout of the integrated reading room with thanks D'Neen Ross for crafting it following walkthroughs and feedback from workgroup members. In continued cooperation with everyone, and the April 6, 2020, target date of the reading room integration, D'Neen will be honing this draft for further discussion at our next meeting. This week also the group also celebrated the fact recently learned that the Phase 1 demarcation line has shifted to allow for the PSD elevator and dumbwaiter to be accessible during Phase 1. *This main group—appreciatively involving our colleagues when we need their experience and expertise—consists of Stacey Arnesen, Patrick Casey, Steve Greenberg, Terry Ahmed, Ken Koyle, Ben Petersen, D'Neen Ross, and Rebecca Warlow. The wiki space of the group is here and associated SharePoint space is here. Thanks again to everyone for their respective contributions to this important, collaborative initiative!

BSD (David)

- Congratulations to NLM Karaoke team, the Bibliophiles, for participating in the NLM CFC Karaoke challenge. The team members were David Anderson (MMS), In-Hye Cho (MMS), Dorothy Trinh (Index Section), Paul Fontelo (LHC) and Allissa Dillman (NCBI).
- The BSD Sunset Team published the first Technical Bulletin article summarizing changes to former SIS resources that will move elsewhere. https://www.nlm.nih.gov/pubs/techbull/nd19/nd19_toxnet_new_locations.html . Team members met on Tuesday 19 November with staff from BSD and OET who are working on some former SIS outreach resources that are being sunset, sharing with them the BSD Sunset Team's plans for archiving resources that will not be available elsewhere after the TOXNET system is taken down.
- Bert Hakkinen (BSD), Jean Goshorn (BSD), Meng Cheng (BSD), Colette Hochstein (PSD) and David Gillikin (BSD) participated in a conference call with NIEHS and EPA representatives to talk about

the retirement of ToxNet, the move of HSDB content into PubChem, and the features and content of TOXLINE and PubMed.

- The BSD FY2019 Fourth Quarter and Annual Summary report is available on the LO Quarterly Reports SharePoint site at https://sharepoint.nlm.nih.gov/Projects/Knowman/SiteAssets/LO%20Quarterly%20Reports.aspx
- Bert Hakkinen (BSD) and Jen Pakiam (PSD) had a meeting on November 18 with the WISER contractor staff. They discussed and prioritize WISER efforts over the next two years. Jen Pakiam and the WISER contractor staff will be interacting with PubChem's Evan Bolton and Jeff Zhang about WISER content in PubChem, and PubChem content in WISER.

HMD (Jeff)

- On the heels of the Washington Post's recent feature on the recent launch of the NLM's new online exhibition *This Lead is Killing Us: A History of Citizens Fighting Lead Poisoning in Their Communities*, be sure to check out the banner version of this exhibition now in the NLM rotunda. Congratulations again to the Exhibition Program team and everyone involved in the curation and launch of this new exhibition!
- Thanks to Tom Ewing of Virginia Tech for flagging HMD that The Washington Post *Made by History* section has published his essay, "How media can help fight flu," which uses historical examples from the 1918 Spanish Influenza to address the role of the media today in dealing with serious disease threats. Tom wrote further "This essay built upon a history of NEH support for influenza history projects, often in partnership with the National Library of Medicine. These projects include a Digging into Data Challenge grant, which applied computational tools for text analysis to understand newspaper coverage of the 1918 Spanish influenza; a bilateral Digital Humanities grant to study the Russian influenza, with a focus on popular reporting in newspapers and expert analysis in medical journals, and two Summer Seminars for K12 teachers on the Spanish influenza in 2015 and 2018. The History of Medicine Division of the National Library of Medicine hosted the teachers who conducted research activities and attended sessions with NIAID epidemiologists and virologists Dr. Morens and Dr. Taubenberger (link); posting research on the Russian influenza by teams of Virginia Tech undergraduates in Circulating Now (link and link); my posts on the Spanish flu in Circulating Now (link and link), and numerous other related collaborations (link). Virginia Tech's College of Liberal Arts and Human Sciences has supported these projects as part of the university's goal of bringing advanced research to broad public audiences. The Dean of the College, Laura Belmonte, is copied on this message so she is aware of the extent and value of these partnerships."
- Jeff Reznick's 2019 Selma and Lois DeBakey Lecture in Biomedical Communication delivered last week at Methodist Hospital in Houston, and based on NLM's recent acquisition of the papers of Selma and Lois DeBakey, is now available online. During his time in Houston Jeff met and spoke at length with numerous faculty of Methodist, including William Winters, MD, and George Noon, MD, as well as, Denis and Michael DeBakey, the sons of Michael DeBakey, and Susan Cooley King, PhD, RN, daughter of Denton Cooley, and Neil Bush, brother of former President George W. Bush.
- This Thursday, Jeff Reznick will be delivering a Heberden Society Lecture at Weill-Cornell Medical Center, entitled *So Comes the Sacred Work: Disabled Soldiers and the Humanitarianism of John Galsworthy during the Great War*, encompassing aspects of Jeff's research and publications based on NLM's collections and resources. Jeff will also be participating ex-officio in the fall meeting of the advisory committee of the Medical Center Archives of NewYork-Presbyterian/Weill Cornell Medicine. In both respects, this public engagement, like others

undertaken by colleagues in HMD and across the Library, independently and together serve to advance the new NLM strategic plan, especially its second goal (2.1) know NLM users and engage with persistence, and (2.2) foster distinctiveness of NLM as a reliable, trustable source of health information and biomedical data.

OET (Amanda)

- This week, a new TB article was published announcing the retirement of the American Indian and Alaska Native Health Portal and Arctic Health website on December 16, 2019: https://www.nlm.nih.gov/pubs/techbull/nd19/nd19_sis_portal_retire.html.
- On Tuesday and Wednesday, Amanda Wilson and Jen Jentsch (PSD) as members of the NASEM Roundtable on Health Literacy for the workshop "Developing Health Literacy Skills in Youth" and committee meeting.
- On Wednesday Mike Davidson presented the new PubMed as part of NNLM Resource Picks webinar series to ~300 attendees.
- This Wednesday was our 4th #citeNLM Fall 2019 virtual edit-a-thon! Check out our dashboard to see stats on the event and entire fall campaign: https://outreachdashboard.wmflabs.org/campaigns/citenlm_fall_2019/programs

PSD (Stacey)

- Reminder for NLM staff that they can place requests for ILLs with the NIH Library. Please see procedures located here: Interlibrary Loan (ILL). The materials will be delivered to the Information Desk in the Reading Room. You'll be notified by email to come pick up the materials.
- The 100% design for the B2 shelving installation has been submitted and reviewed. The new likely construction start date will be in early January with a completion date in May 2020.
- The remediation of mold-affected items on B2 began on 11/12. A team of contractors constructed a containment zone and have commenced cleaning all collection items and shelving within the zone. Cleaning on B2 is expected to be complete by mid-December. Once complete, the contractors will move to the B3 level, which is expected to take an additional five weeks.
- The recipe Vegetables and Turkey Stir-Fry was added to MedlinePlus.
- The health topic, Hidradenitis Suppurativa, is now available in Spanish: Hidradenitis supurativa
- MedlinePlus Magazine (English and Spanish): The Winter issue of the NIH MedlinePlus Magazine is wrapping up and will be delivered to subscribers in mid-to late January. The cover topic is Sickle Cell Disease and the celebrity is Jordin Sparks. The Spring 2020 issue topic and celebrity are Diabetes and Viola Davis.
- My MedlinePlus Newsletter "My MedlinePlus Weekly Newsletter: Quit Smoking, IOL Implants, Thyroid Ultrasound" sent November 13, 2019, to 41,630 subscribers, open rate 30%, click rate 12%. Top three articles: Spinal Stenosis, Bladder Matters, Buttermilk Scones.
- On November 15, the article, *About MedlinePlus: New and Updated Information*, was published in the *NLM Technical Bulletin* announcing the expanded and updated suite of web pages where you can learn about MedlinePlus resources and policies.
- The Trans-NLM Unified Digital Presence Working Group discussed the NLM identity guidelines, product logo standards, collaborative chartering, and the LHNCBC website logo redesign at their biweekly meeting.
- Stephanie Morrison (PSD) and Laura Bartlett (OET) attended the monthly meeting of the NIH Health Literacy Quality Improvement workgroup. Laura gave a brief presentation to update the group on the NLM health literacy assessment tool project.
- On Monday, 11/18, Lisa Theisen and Colette Hochstein met with the Unified Digital Presence Working Group. Topics discussed were updated NLM Identity Guidelines, the proposed new

design for the home page and how to best approach the review of the over 270 product offering logos on NLM sites.

- On Tuesday, 11/19, Ken Koyle, Lisa Theisen, Gillian Takamaru and Joe McNair met with Dan Wendling to discuss future plans and expansion of ILL and Call slip data visualizations using Tableau. The goal is to minimize manual statistics gathering and review CAS analytics more broadly.
- On Thursday, 11/21, Ken Koyle, Stacey Arnesen and Lisa Theisen, along with OCCS met with MLA to discuss the migration of the EFTS service from the University of Connecticut to MLA hosting.

From: Funk, Kathryn (NIH/NLM/NCBI) [E]
Sent: 4 Dec 2019 13:40:03 +0000
To: Paltoo, Dina (NIH/NLM) [E];Rohrbaugh, Mark (NIH/OD) [E]
Cc: Goodwin, Rebecca (NIH/NLM) [E]
Subject: Re: Can you join me for short presentation 5 December National Academies meeting on Federal Labs (Washington, DC)
Attachments: NLM Literature Offering Slides.pptx

Hi Mark,

Here are some slides covering our primary Literature database offerings: PubMed, PMC, PubChem, and ClinicalTrials.gov. I've also included some slides re: PMC efforts to expose underlying data with the article.

Best,
Katie

From: "Paltoo, Dina (NIH/NLM) [E]" <dina.paltoo@nih.gov>
Date: Tuesday, December 3, 2019 at 10:20 AM
To: "Rohrbaugh, Mark (NIH/OD) [E]" <rohrbaum@od.nih.gov>
Cc: "Funk, Kathryn (NIH/NLM/NCBI) [E]" <kathryn.funk@nih.gov>, "Goodwin, Rebecca (NIH/NLM) [E]" <rebecca.goodwin@nih.gov>
Subject: RE: Can you join me for short presentation 5 December National Academies meeting on Federal Labs (Washington, DC)

Hi Mark,

Personal Info I am copying Katie Funk (PMC Program Manager) on this email. She should be able to provide you with a few slides on PMC stats/metrics.

Thanks.

D.

Dina N. Paltoo, Ph.D., M.P.H.
Assistant Director for Policy Development
Office of the Director, U.S. National Library of Medicine, National Institutes of Health
Office: 301.827.4377 | Mobile: Personal Info FAX: 301.496.4450
Email: dina.paltoo@nih.gov

From: Rohrbaugh, Mark (NIH/OD) [E] <rohrbaum@od.nih.gov>
Sent: Tuesday, December 3, 2019 9:52 AM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Subject: RE: Can you join me for short presentation 5 December National Academies meeting on Federal Labs (Washington, DC)

Hi Dina. Do you have a couple NLM slides on metrics or impact of PubMed and any other similar public facing activities?

Andrea and I are talking for about 20 minutes on Thursday

From: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Sent: Wednesday, November 6, 2019 9:39 AM
To: Rohrbaugh, Mark (NIH/OD) [E] <rohrbaum@od.nih.gov>
Subject: RE: Can you join me for short presentation 5 December National Academies meeting on Federal Labs (Washington, DC)

Hi,

Maybe Jim Ostell or Jerry Sheehan would be best.

D.

Dina N. Paltoo, Ph.D., M.P.H.
Assistant Director for Policy Development
Office of the Director, U.S. National Library of Medicine, National Institutes of Health
Office: 301.827.4377 | Mobile: Personal Info | FAX: 301.496.4450
Email: dina.paltoo@nih.gov

From: Rohrbaugh, Mark (NIH/OD) [E] <rohrbaum@od.nih.gov>
Sent: Tuesday, November 5, 2019 5:29 PM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Subject: RE: Can you join me for short presentation 5 December National Academies meeting on Federal Labs (Washington, DC)

I don't who in OSP would be able to talk about the impact of PubMed and other NLM efforts to make data public. We would only need to mention NIH data policies over the years to promote release of data. The whole thing we me talking about patents and licensing is 20 min.
I think an NLM person would be best.

From: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Sent: Tuesday, November 5, 2019 4:32 PM
To: Rohrbaugh, Mark (NIH/OD) [E] <rohrbaum@od.nih.gov>
Subject: Re: Can you join me for short presentation 5 December National Academies meeting on Federal Labs (Washington, DC)

I am wondering if it should be someone from OSP, OER, or NLM. What are your thoughts?

Dina N. Paltoo, Ph.D., M.P.H.
Sent from my iPhone - please excuse any spelling or grammatical errors

On Nov 5, 2019, at 3:48 PM, Rohrbaugh, Mark (NIH/OD) [E] <rohrbaum@od.nih.gov> wrote:

Could you recommend someone else? It's short and they would like some perspective on impacts of NIH funded data and pubs. Thx

---

From: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Sent: Tuesday, November 5, 2019 3:33 PM
To: Rohrbaugh, Mark (NIH/OD) [E] <rohrbaum@od.nih.gov>
Subject: RE: Can you join me for short presentation 5 December National Academies meeting on Federal Labs (Washington, DC)

Hi Mark,

I would love to join you, but I have to fill in for Dr. Brennan on a panel the same day. If they move your session to Dec 6, I could do it…

Let me know if you want me to recommend someone else.

Thanks for thinking about me.

Best,
Dina

Dina N. Paltoo, Ph.D., M.P.H.
Assistant Director for Policy Development
Office of the Director, U.S. National Library of Medicine, National Institutes of Health
Office: 301.827.4377 | Mobile: Personal Info FAX: 301.496.4450
Email: dina.paltoo@nih.gov

From: Rohrbaugh, Mark (NIH/OD) [E] <rohrbaum@od.nih.gov>
Sent: Tuesday, November 5, 2019 1:23 PM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Subject: Can you join me for short presentation 5 December National Academies meeting on Federal Labs (Washington, DC)

Dina:

I have been invited to give a short talk Dec 5 mid-day downtown for this NAS meeting. They define technology transfer in the broadest way and include access to data and publications. Would you join me and cover the data and research results part, and I would talk about mainstream tech transfer.

Thanks,
Mark

From: Eisenstadt, Anita <AEisenstadt@nas.edu>
Sent: Tuesday, November 5, 2019 12:46 PM
To: Rohrbaugh, Mark (NIH/OD) [E] <rohrbaum@od.nih.gov>
Cc: Dierksheide, David <DDierksheide@nas.edu>; Lestina, Frederic <FLestina@nas.edu>

Subject: Your participation in the 5-6 December National Academies meeting on Federal Labs (Washington, DC)

Dear Mark,

We are delighted that you will be joining us as a speaker at the 5-6 December 2019 meeting of the National Academies committee on *Advancing Commercialization from Federal Laboratories*, which will be held in Washington, DC.

You mentioned that you would like to bring a colleague as co-presenter. Have you identified who you would like to co-present with you?

The overall meeting will take place in two locations over the course of the two-day event:

- **The first day (Thursday, 5 December) will take place in the Duke Center** (1201 Pennsylvania Avenue, NW, Suite 500, Washington DC 20004), with open sessions currently scheduled to run from 9:00 AM to 4:15 PM (Eastern Time).
- **The second day (Friday, 6 December) will take place in Room 125 of the National Academy of Sciences headquarters** (2101 Constitution Avenue, NW, Washington, DC 20418), with open sessions currently scheduled to run 9:00-11:00 AM (Eastern Time).

Your Scheduled Speaking Time:
You are scheduled to take part in the session providing an "Overview of Technology Transfer at DOD and NIH," which is currently scheduled to run 11:15AM—1:15PM (Eastern Time) on 5 December at the Duke Center. You and your colleague will have approximately 25-30 minutes for the joint presentation.

A draft agenda will be sent separately as we approach the event.

Request for Bio:
We would appreciate it if you, and any co-presenter, would each send us, at your earliest convenience, a **short biography** that would be appropriate for distribution to the committee and other meeting attendees.

Again, we are delighted that you will be joining us in December to meet with the committee. If you have any questions, please do not hesitate to contact me.

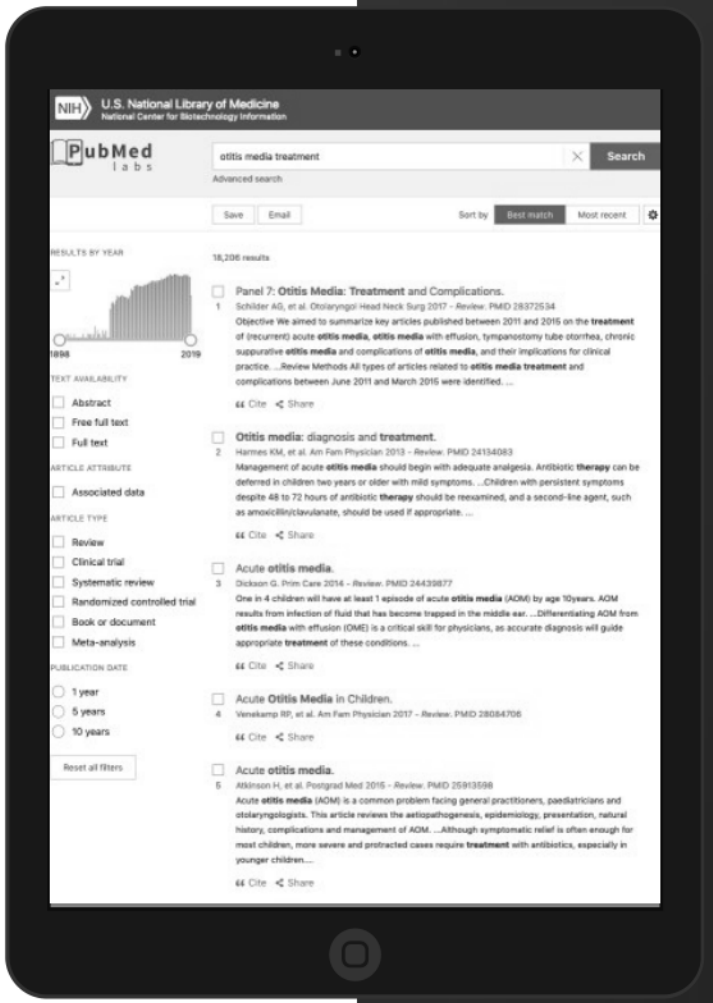
Best regards,
Anita

Anita Eisenstadt, JD
Board on Science, Technology, and Economic Policy
The National Academies of Sciences, Engineering, and Medicine
500 Fifth Street, NW
Washington, DC 20001
Phone: 202-334-2545
<image001.png>

PubMed

An essential, free citation resource that connects researchers, clinicians, HCPs, and the general public to biomedical literature and data.

Essential service “the interruption of which would endanger. . .the whole or part of the population.”



29.5M

Records

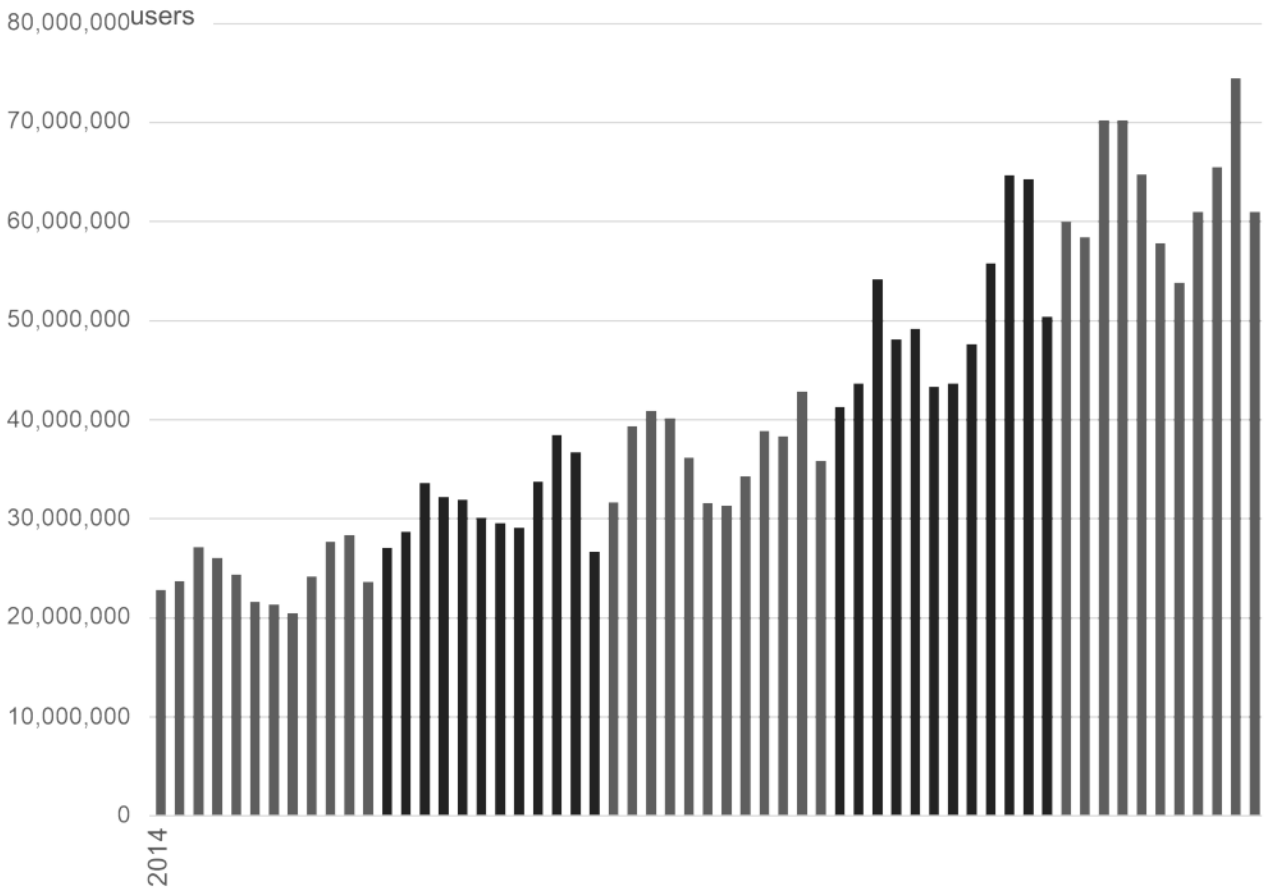
51.9M

Interactive Monthly Users

63.7TB

Monthly Bytes Delivered

PubMed Central



U.S. National Library of Medicine
National Center for Biotechnology Information

PMC has played a critical role in ensuring the public has free access to the full text of publicly-funded research across scientific disciplines.

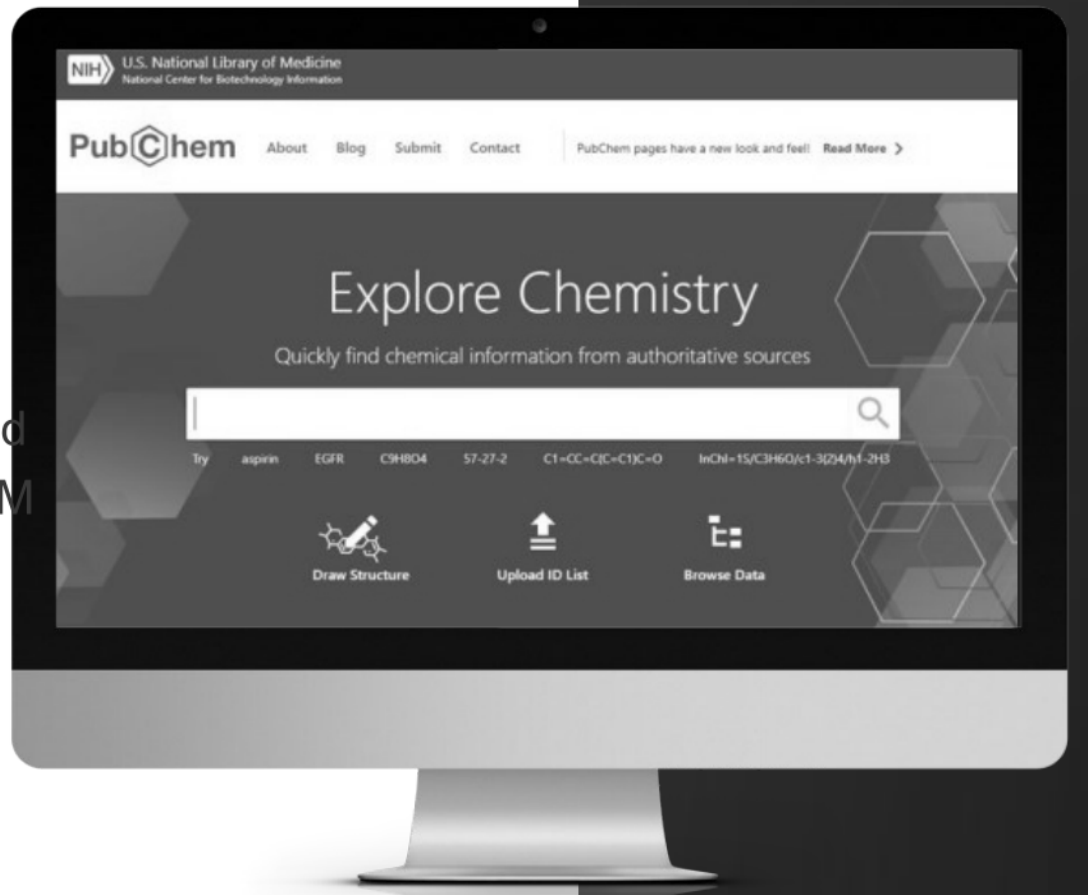
Records	5.5M
Interactive Monthly users	49.7M
Monthly Bytes Delivered	41.2TB

More than 1M papers deposited under the NIH Public Access Policy.Addition of Associated Data Box in Nov 2018 resulted in 30% increase in daily downloads of supplementary material.

PubChem

PubChem helps researchers make sense of the biological roles and health effects of chemicals on human health and the environment.

New Home page & searchGene and Protein Target pagesIntegrated NLM ToxNet dataThieme chemistry supplied 1.2 million citation links, 700K structures



350M

Records

4M

Interactive Monthly Users

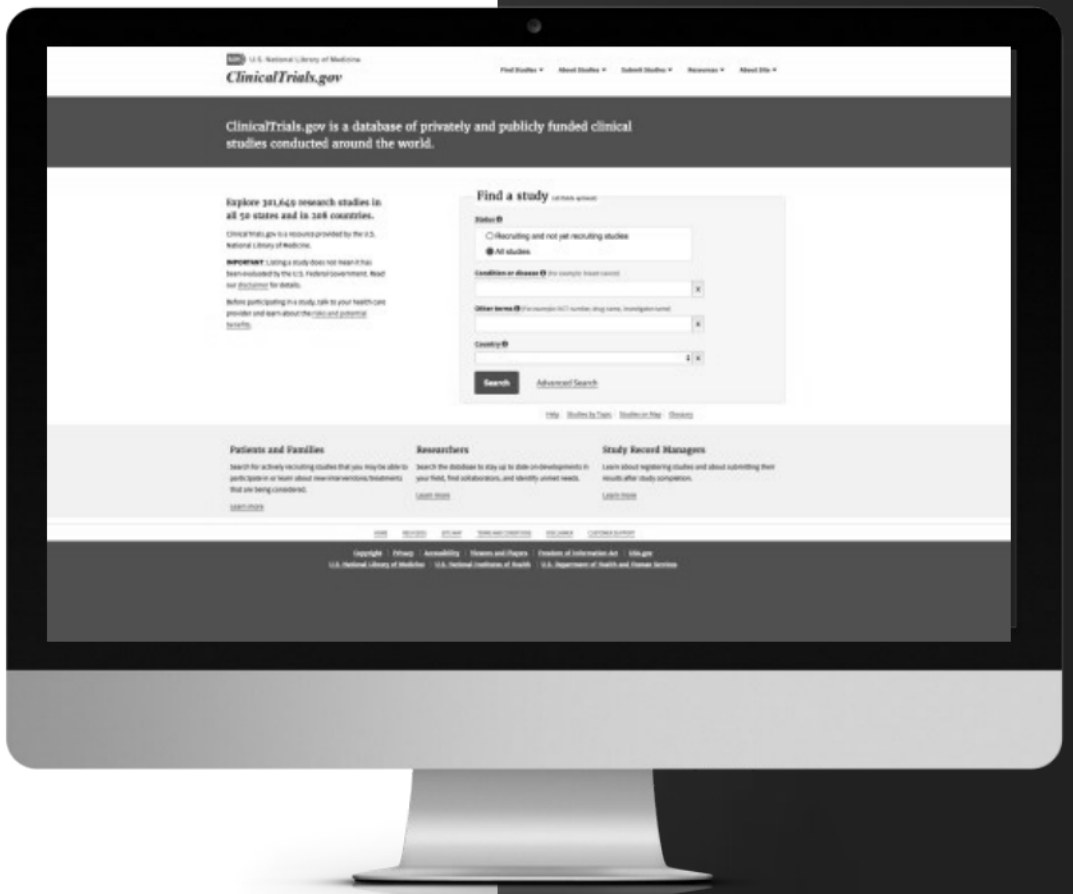
2TB

Monthly Bytes Delivered

ClinicalTrials.gov

A database of privately and publicly funded clinical studies conducted around the world.

Supports U.S. regulations, NIH, and other policies aimed at meeting ethical obligations to research participants and providing accountability in the reporting of research.



301,497

Records

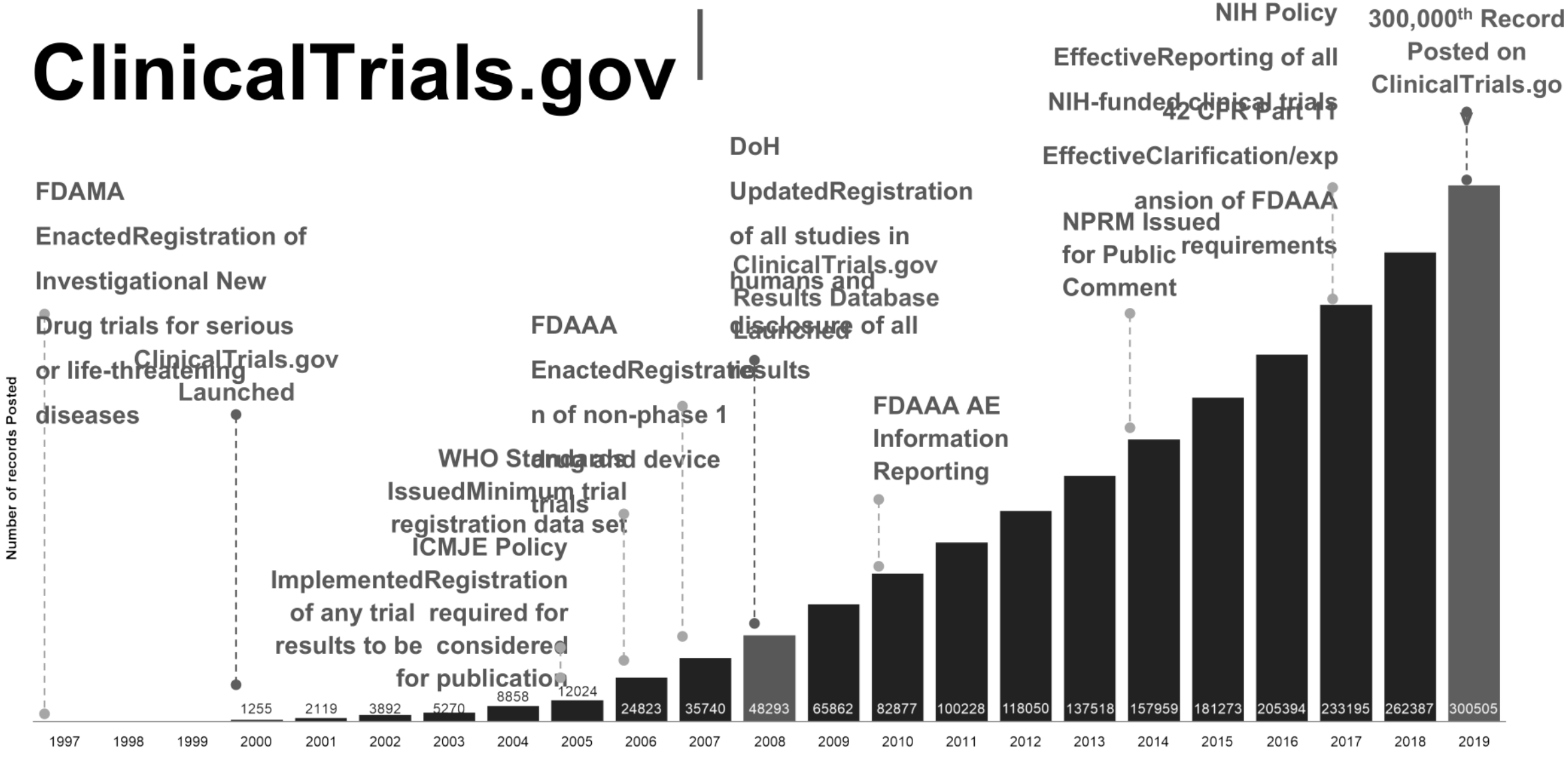
2.8M

Interactive Monthly Users

7.2TB

Monthly Bytes Delivered

ClinicalTrials.gov



Abbreviations: **AE**, adverse event; **CFR**, Code of Federal Regulations; **DoH**, Declaration of Helsinki; **FDAAA**, Food and Drug Administration Amendments Act; **FDAMA**, Food and Drug Administration Modernization Act; **ICMJE**, International Committee of Medical Journal Editors; **NIH Policy**, NIH Policy on the Dissemination of NIH-Funded Clinical Trial Information; **NPRM**, Notice of Proposed Rulemaking; and **WHO**, World Health Organization.

Exposing Datasets Associated with Publications in PMC

U.S. National Library of Medicine
National Center for Biotechnology Information

PMC Associated Data Box

Exposing data-related content available in the full-text of an article

35. Jenkins R, Dowsett AJ, Burton AM. 2018. Data from: How many faces do people know? Dryad Digital Repository. (10.5061/dryad.7f25j43) [CrossRef]

▾ Supplementary Materials

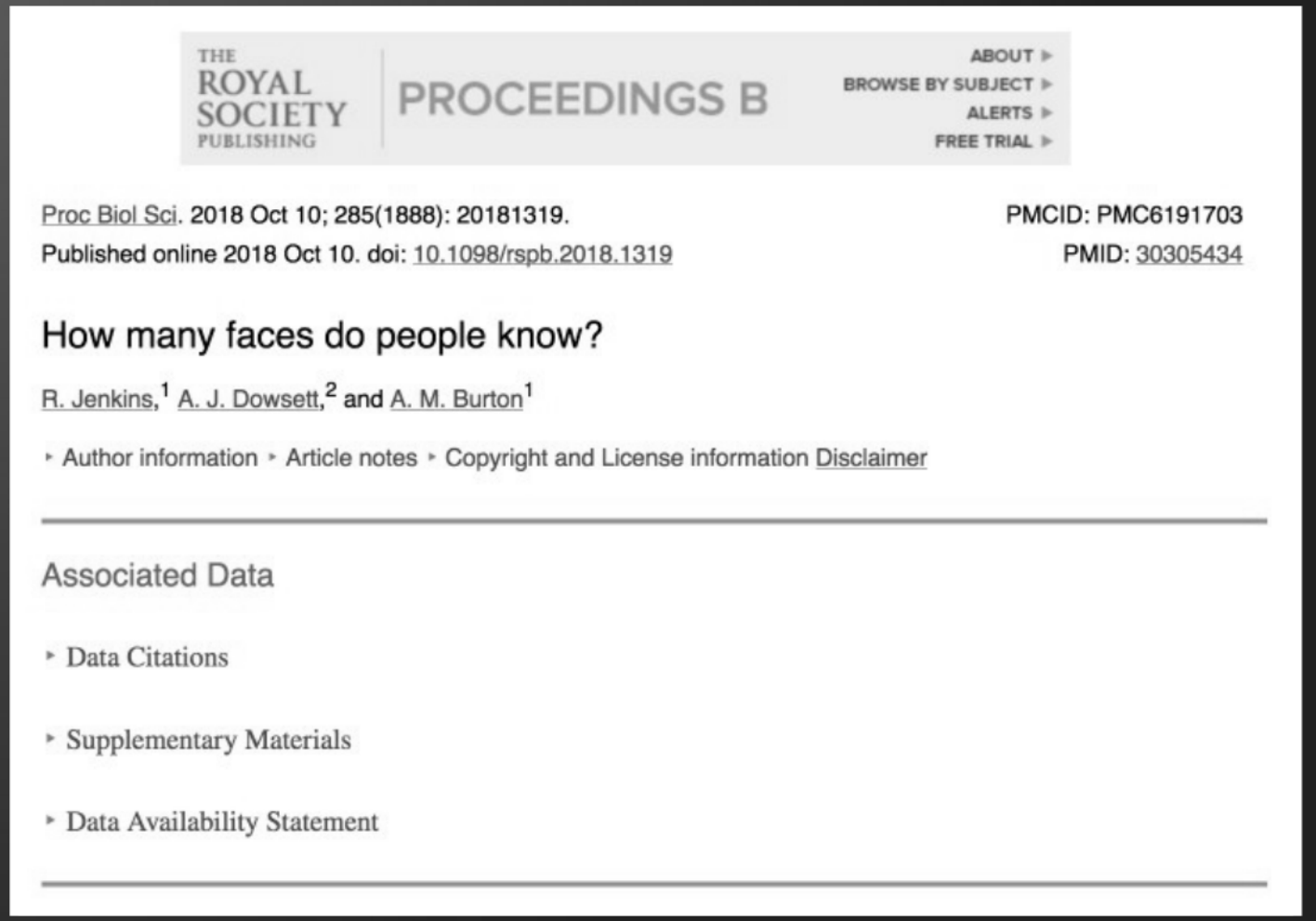
Participant data

rspb20181319supp1.pdf (29K)

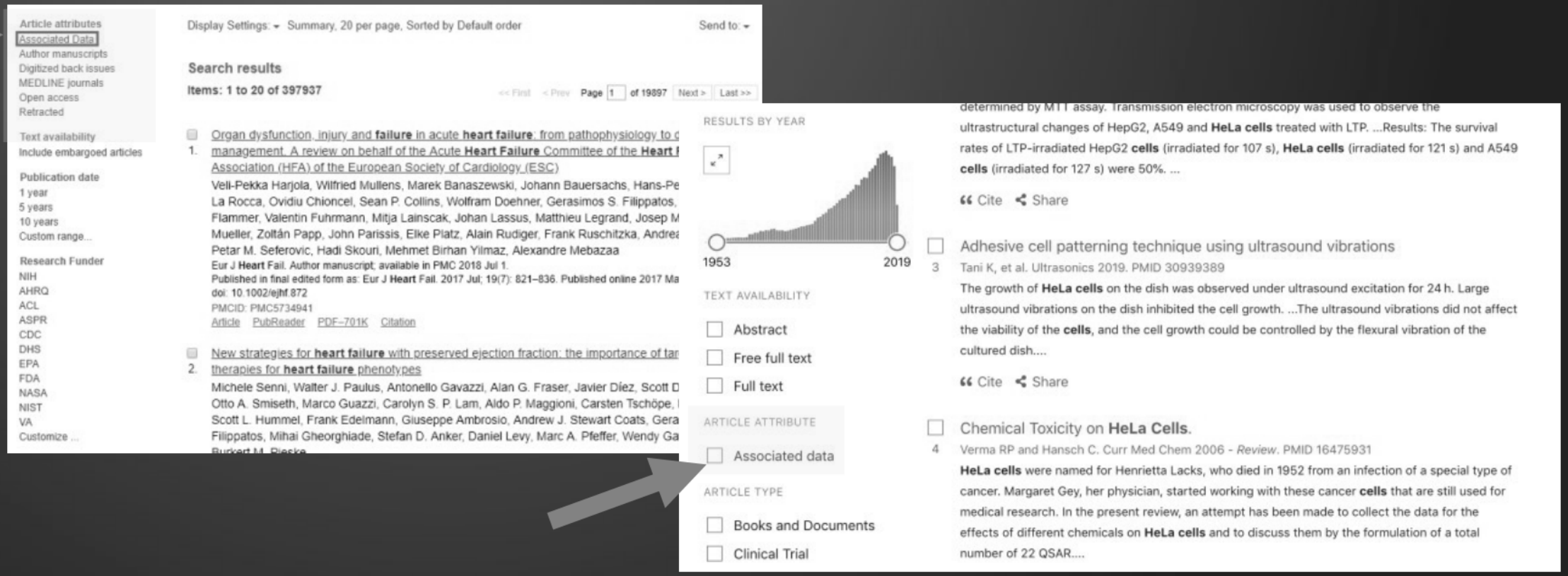
GUID: 6A83AB6C-53C3-4A1E-9206-6F0A13D8EA78

Data accessibility Go to:

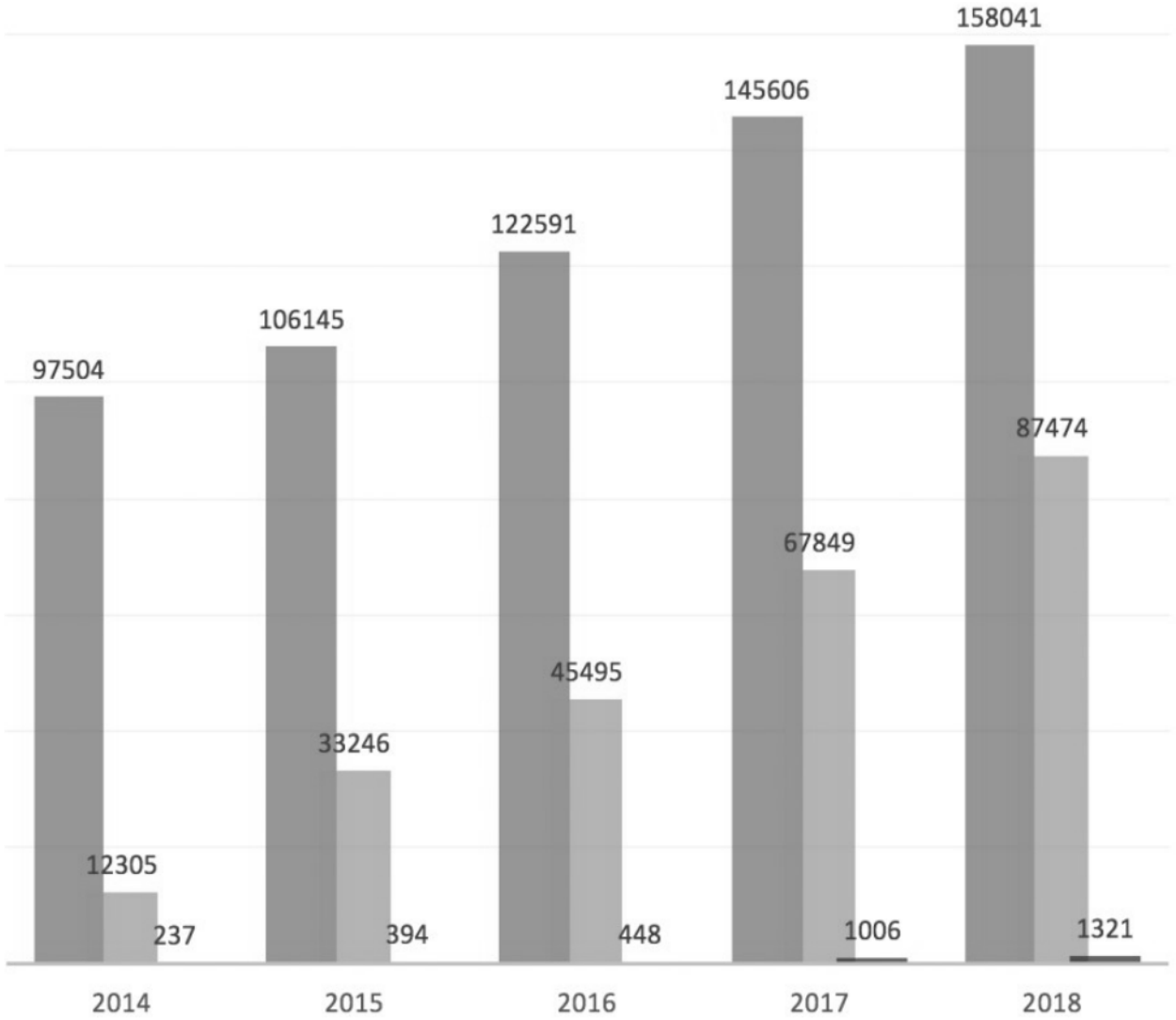
Data available from the Dryad Digital Repository: https://doi.org/10.5061/dryad.7f25j43 [35].



Data Search Filters in PMC and PubMed



PMC Data Sources



Supplemental Material

Deposit required for PMC participation and author manuscripts

Data Availability Statements

A common requirement of journals with data sharing policies

Data Citations

Guidance issued for data providers in October 2017

Dataset Identifiers

February 4, 2019 — Unique Identifiers for Supplemental Material

PMC has updated the Associated Data box to display unique identifiers assigned to supplem
PMC6351104). In cases where the publisher has not assigned a unique ID to a supplemental
(GUID; see PMC6351564). This update aims to support the reporting of datasets as well as t

https://www.ncbi.nlm.nih.gov/pmc/about/new-in-pmc/#2019-02-04

Journal List › Scientific Reports › PMC6351564

SCIENTIFIC REPORTS

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/EDITORIAL BOARD
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Sci Rep. 2019; 9: 822.
Published online 2019 Jan 29. doi: 10.1038/s41598-018-35734-4

PMCID: PMC6351564
PMID: 30696832

Remyelination promoting therapies in multiple sclerosis animal models: a systematic review and meta-analysis

Carlijn R. Hooijmans,[#2] Martin Hlavica,[#1] Florian A. F. Schuler,[3,5] Nicolas Good,[1] Andrin Good,[1] Lisa Baumgartner,[1] Gianluca Galeno,[1] Marc P. Schneider,[1] Tarzis Jung,[4] Rob de Vries,[2] and Benjamin V. Ineichen[1,4]

Sci Rep

‣ Author information ‣ Article notes ‣ Copyright and License information Disclaimer

Associated Data

‣ Supplementary Materials

Supplementary Dataset 1
41598_2018_35734_MOESM1_ESM.pdf (1.0M)
GUID: 470BA9A7-CDCC-4C15-AD51-4FD9D2A1741D

From: Backus, Joyce (NIH/NLM) [E]
Sent: 9 Dec 2019 13:35:36 +0000
To: Babski, Dianne (NIH/NLM) [E]
Subject: FW: HSDB Final ratification
Attachments: Ratification_Haz-MapFinal.docx

Here's the latest version, lightly edited from David's submission. Have at it!

From: Backus, Joyce (NIH/NLM) [E]
Sent: Wednesday, October 23, 2019 10:33 AM
To: Barry, Aisha (NIH/NLM) [E] <aisha.barry@nih.gov>
Cc: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Subject: FW: HSDB Final ratification

Aisha,
Here is the file for the document I just gave you that David and I have signed. If any of the further signatories have modest changes, please just make them and re-send to me and David to sign. Philip can help make e-signature blocks if we need to do it too often.

David's out next week, just FYI.

Joyce

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Wednesday, October 23, 2019 10:21 AM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: HSDB Final ratification

Joyce
Thanks for your comments. Here's the final version.
David

Unauthorized Commitment Action/Ratification Request

Date: **October 22, 2019**

From: **David Gillikin, Chief, Bibliographic Services Division/Library Operations**

Through: **Joyce Backus, Associate Director for Library Operations, NLM**

Through: **Daniel Hartinger, Director, Office of Acquisitions, NLM**

To: **Diane Frasier, Head of Contracting Activity, NIH**

Subject: **Request of Unauthorized Commitment Ratification pursuant to FAR 1.602-3, HHSAR 301.602-3, and HHS Acquisition Alert 2017-02.**

The following information is provided by the individual responsible for creating the subject unauthorized commitment to support a request for ratification.

1. **Name, address, telephone number, and email address, of Government official who created the unauthorized commitment.**

   David Gillikin
   National Institutes of Health
   National Library of Medicine
   Library Operations
   Bibliographic Services Division
   8600 Rockville Pike
   4N419 Bldg. 38A
   Bethesda, MD 20894
   301-827-5034

2. **Name, address, telephone number, email address and/or URL (if available) of the vendor.**

   Jay A. Brown, MD, MPH
   6216 Coho Ln NE
   Olympia, WA 98506
   360-628-8569
   brownjay@haz-map.com

3. **Description of goods, services, or equipment acquired:**

   Chemical and toxicological data about hazardous substances were retained on the NLM website Haz-Map after the license for the data expired. The period of time for the retention of the content is August 1, 2019 – December 31, 2019.

   The total amount for the unauthorized commitment is $16,041 ($3,208.20 per month for 5 months).

4. **Description of benefit received by the Government (include / attach a properly executed Inspection Report or Receiving Report (Receipt, Inspection, and Acceptance) issued in accordance with FAR 32.905 (c) .**

   NLM continued to provide the Haz-Map chemical and toxicology information to our end-users and our federal colleagues for a transition period before the Haz-Map site would be retired. This time period would allow users to be notified about the planned retirement of Haz-map, giving them time to identify other federal or commercial resources for this content.

5. **Explanation of how Contractor was selected. If other vendors were contacted, indicate their names and prices quoted (attach separate pages if necessary or document on Quotation Abstract form).**

   The contract with Jay Brown for the Haz-Map data was already in place. The period of performance for the contract ended on July 31, 2019 without the option year being exercised.

6. **Document the basis for determining the price fair and reasonable in accordance with FAR 13.106-3 (a) and/or FAR 15.402. Program staff should consult with contracting officer when addressing this element. (FAR 1.602-3 (c) (4)).**

   The annual contract cost for Haz-Map content is $38,500. The monthly cost is $3,208.20. The cost for the time period of August 1, 2019 – December 31, 2019 is $16,041 for 5 months.

7. **Explain, in detail, how the unauthorized commitment occurred and why normal procurement procedures were not followed (FAR 1.602-3 (b) (1)).**

   During the first 6 months of 2019, work was under way to merge the Division of Specialized Information Services (SIS) staff and products into Library Operations (LO). Several contract actions overseen by the Acting Director of SIS were not handled before her retirement. This included the contract actions for the ToxNet product called Haz-Map. This product was transferred to the Bibliographic Services Division (BSD) within Library Operations on June 24, 2019.

   The period of performance for the SIS product, Haz-Map, ended on July 31, 2019. The work to initiate the option year had not been undertaken by the Acting Director or by the COR for the contract prior to the merger of SIS into LO in June or the retirement of the Acting Director in June 2019. In addition, though a sunset plan for Haz-Map had been written, no actions had been pursued by former SIS staff to retire the Haz-Map product by July 31, 2019.

   The Haz-Map COR notified his new supervisor, the Chief of the Bibliographic Services Division, on July 31 that the contract was closing on July 31. No work on the option year renewal or on the retirement process had been implemented. No announcements had been made to the public or to the Haz-Map content vendor, Jay Brown. In addition, no work had been done with OCCS to determine how to take down the Haz-Map product from the ToxNet system. The Haz-Map product is integrated into the ToxNet search system and

removing this content would not be a simple process. The ToxNet search system is scheduled to be retired in December 2019.

Users were not aware of the potential retirement of Haz-Map. The sudden removal of this content would not be in the best interests of NLM or our users.

In order to better serve NLM end-users and colleagues in other federals agencies, such as the Occupational Health and Safety Agency in the Department of Labor, the decision was made to retain the Haz-Map content on the ToxNet system until December 2019 when the ToxNet system will be retired.

8. **Describe any other special circumstances (e.g. employee creating the unauthorized commitment has left NIH) or procedures, including clearances (e.g. Special Clearance and Other Acquisition Procedures or Preparation and Clearance of Scientific, Technical, and Public Information Presented by NIH Employees or Produced for Distribution by NIH, etc.) (FAR 1.602-3 (b) (7)).**

   The merger of SIS into LO, and the retirements of the Acting Director and Assistant Acting Director of SIS in June 2019 introduced administrative and managerial issues for the areas of Library Operations into which the SIS staff and products were moved. Other key staff, such as contract CORs, also retired or left SIS during the first half of 2019. This has left Library Operations staff with gaps in knowledge about SIS budget and contractual issues that are still being uncovered.

9. **Describe, in detail, the proper procedure(s) that should have been followed (FAR 1.602-3 (b) (1)).**

   The Division of Specialized Information Services should have initiated the actions to exercise the contract option In the Spring of 2019 in order to award the option year for the Haz-Map data by July 31, 2019.

   Alternatively, the sunset plan for retiring the Haz-Map product should have been started May 2019 in order to provide users with advanced knowledge of the retirement of the site. The vendor should also have been told that the contract option year would not be awarded. All of this information should have been provided to the Bibliographic Services Division prior to the Haz-Map content being transferred.

10. **List all steps taken by Institute, Center or Office (ICO) management, cognizant Office of Acquisition, Delegated Office of Acquisition, and/or Governmentwide Commercial Purchase Card holder to prevent reoccurrence of future unauthorized commitments (FAR 1.602-3 (b) (1)).**

    Review and documentation of the contracts and period of performances of the SIS products transferred from SIS to the Bibliographic Services Division (BSD) has been performed. BSD has set up a Sunset Team to more fully document and complete the sunsetting activities associated with the 14 SIS products that compose the ToxNet search system. Some of these products are being merged into other NLM databases, while others are being fully retired. The sunset plans include a communication strategy that has been developed with the NLM Office of Communications and Public Liaison.

_____ _____
Signature of Government Official Who Created the Unauthorized Commitment Date

_____ _____
Signature of Supervisor of the Government Official
Who Created the Unauthorized Commitment Date

Budget Officer Certification:

By my signature below, I hereby certify that Fiscal Year(s)_____ funds in the amount of $_____ were available at the time this unauthorized commitment was created and such funds remain available for disbursement to resolve this unauthorized commitment, should it be ratified.

_____ _____
Signature of ICO Budget Officer Date

_____ _____
Signature of ICO Chief Administrative Officer Date

_____ _____
Signature of ICO Executive Officer (Required when transaction exceeds $25,000) Date

Contracting Officer Certification:

By signing below, I certify:

- The services were provided to and accepted by the Government thus the Government received a benefit;
- The resulting contract would otherwise have been proper if made by an appropriate Contracting Officer;
- The price of the unauthorized commitment has been determined fair and reasonable;

- The funds were available at the time the authorized commitment was created and remain available;
- The ratification is in accordance with any other agency procedures; and
- Payment is recommended to [Vendor] using Fiscal Year(s) [_____] funds in the amount of, [$0.00].

_____ _____
Signature of the Contracting Officer Date

_____ _____
Signature of Director, Office of Acquisition, [Institute or Office] Date

From: Babski, Dianne (NIH/NLM) [E]
Sent: 9 Dec 2019 19:34:21 +0000
To: NLM LO ADLO;NLM NICHSR-ALL;'Carolyn Kurowski';'Nicole Sroka'
Subject: LO Div Ch notes

Reminders!

- **All staff should be working with their supervisors to take their "use or lose" leave by Jan 4.**
- **All NIH employees must complete Annual Ethics Training before Friday, December 13, 2019. The training module contains several scenarios and hypothetical questions, providing a self-check of your understanding. Upon completion, you will have the option to "print" or "save" a certificate for your own records. Please note: you must complete the entire module through to the certificate page for your training to be automatically recorded in the ethics database. Go to the following link to start this training: https://ethics.od.nih.gov/Training/AET.htm.**

Please note I did NOT add notes from LO, AFP or NICHSR this week; will add notes to this week's release.

December 5, 2019
LO (Jeff)

- The group* leading the planning and implementation of the combined reading room functions met again this week, as part of an ongoing bi-weekly schedule of meetings. Our plan is to combine the reading rooms in the current HMD reading room space by April 6. To meet this deadline we are working on several tasks including honing the draft layout of the integrated reading room, cross-training the PSD and HMD reference staff, developing a communications plan for our patrons and external stakeholders, planning to move furniture and equipment from the main reading room to the HMD reading room to accommodate additional researchers, adding additional lockers for patrons, updating signage, and discussing how retrievals to the combined reading room will happen. The wiki space of the group is here and associated SharePoint space is here.
  Thanks again to everyone for their respective contributions to this important, collaborative initiative.

*This group—appreciatively involving our colleagues when we need their experience and expertise—consists of Jeff Reznick, Stacey Arnesen, Patrick Casey, Stephen Greenberg, Terry Ahmed, Ken Koyle, Ben Petersen, D'Neen Ross, and Rebecca Warlow.

TSD (Beth)

- Voyager and LocatorPlus will be unavailable from 3 pm Friday, December 6, through Sunday, December 8, for Year End Processing (YEP), MeSH URI maintenance and OCCS server maintenance.
- LO staff Dianne Babski, Joyce Backus, Maria Collins, David Gillikin, and Jennifer Marill participated in the meeting of publishers on December 3, sponsored by the Friends of the NLM. Discussion topics included the new PubMed, NIH funded pre-prints, data connection and data discovery, the NIH data management and sharing policy, the new NLM Board of Regents Collection and Preservation Policy, and an update on the changes to the LSTRC system and LSTRC review forms.

- Jen Diffin and Jennifer Gilbert will be attending CNI in DC on December 9-10. Jennifer Gilbert is presenting, "Designing a Migration Path: Final Report and Recommendation," as part of a project briefing panel at CNI. She will also be attending the Fedora Leadership Meeting on December 11 in DC as NLM's representative to DuraSpace.

BSD (David)

- Tammy Powell attended the FDA CDER Prescription Drug Labeling Conference on December 4-5. The meeting covered updated Labeling Rules; Labeling For Biologic Products; Methods to improve the quality of Structured Product Labeling submissions; Product Nomenclature
- The BSD Sunset Team made plans to retire apps associated with SIS resources that are moving to Bookshelf (LactMed) ore being retired (TOXMAP) following an NLM decision not to expend considerable effort to create new apps. The Sunset Team continued to plan, with appropriate NLM staff, the URL redirects that will be put in place by December 16 when many of the TOXNET resources will be taken down or made available only in their new locations.
- Bert Hakkinen participated in the November 20 monthly meeting of the Interagency Coordinating Committee on the Validation of Alternative Methods (*ICCVAM*).
- On November 21, Bert Hakkinen and Meng Cheng provide webinar for FMC Corporation (a Fortune 500 chemicals company) very interested in the "TOXNET is Moving" efforts. The focus was on HSDB's move into PubChem; ChemIDplus, ToxTutor, PubMed, and Bookshelf were also of high interest to the participants.
- The RxNorm December monthly release was made available for download on Monday, December 2. Units of measure on RxNorm normal forms for dietary supplements are changing beginning with the December release. The new Qualitative Distinction modifier "Micronized" is also included. Details on this update are found in the NLM Technical Bulletin article "RxNorm December 2019 Release".
- Bert Hakkinen and Jen Pakiam (PSD) had a biweekly status and planning meeting on December 4 with the WISER contractor staff. Also, they will be meeting soon with PubChem's Evan Bolton and Jeff Zhang about WISER content in PubChem, and PubChem content in WISER.

HMD (Jeff)

- Thanks to Sarah Eilers for informing that the NLM video productions marking the 175th anniversary of our institution and the publication of *Images of America: National Library of Medicine* are now available in NLM Digital Collections, therefore helping to preserve not merely these production themselves but the combined staff expertise, expertise, stewwardship, and public service these productions together represent. Thanks very much to Sarah and everyone involved in cataloging and ingesting these important productions, and others in the future pertaining to the history of our institution as our successors will be able to learn from it.
- With generous support of the Office of Communication and Public Liaison, the National Library of Medicine initiated a trans-institution effort to document, using still photography, our spaces, workflows, and people. Those photographs are now available in SharePoint in a Project labeled NLM Photography. All images are organized into folders by office. Within each office folder are 3 sub-folders. Two folders hold copies of all images from the shoot—organized by format—tiffs and jpgs. The third folder holds jpgs of the "selected" images and a Word document with caption information. The "selected" images represent those photographs that are technically the most interesting (out of the hundreds of photographs taken), and are most successful in representing our spaces, workflows, and people. SharePoint permissions are set so you can download the photographs, and edit and correct the captions.The photographs and caption information are in the queue for cataloging and upload into Digital Collections.

- The selection committee for NLM's annual Michael E. DeBakey Fellowship in the History of Medicine–consisting of Jeff Reznick, Ken Koyle, Rebecca Warlow, Susan Speaker, and Christopher Wanjek (Acting Director, NIH Office of History)--has selected six fellows who, over the course of 2020, will undertake their research projects onsite at NLM. The public announcement of these six selected fellows is forthcoming.

PSD (Stacey)

- Dan Wendling and Colette Hochstein sat in on the Bi-Weekly Digital Data Analytics Status meeting yesterday. A draft of the proposed NLM Digital Scorecard display was reviewed and discussed. The group deliberated about which Time Period (e.g. monthly, quarterly) would be most useful. It was pointed out that Project Managers may be more interested in monthly stats, while Senior Staff may prefer a quarterly summary and well as a comparative/trend summary (e.g. previous year). Several LO staff were asked for feedback about an earlier version of this; they will again be asked. OET pointed out that there are areas of the Library with products that are quite different from these; the group needs to determine how the measures will be adapted to meet their needs.
- A new MedlinePlus health topic on HIV PrEP and PEP (pre-exposure prophylaxis and post-exposure prophylaxis) was released in English and Spanish.
- The "My MedlinePlus Weekly Newsletter: Thanksgiving Food Safety, Family Health History, Indigestion, Ear Infections" was sent November 27, 2019, to 42,328 subscribers; the open rate was 29%, the click rate was 9%. Top three articles: Plantar Fasciitis, Best Practices for Safe Food Preparation, Vegetables and Turkey Stir-Fry.
- The Trans-NLM Unified Digital Presence Work Group had its biweekly meeting. The group discussed overall NLM and product identity guidelines and collaborative chartering.
- DOCLINE 6.2.4 was released on 12/4/19. The release includes updates to Routing Algorithm information, search results pagination for Requests, Libraries, Journals, and Holdings Search results, a revised Borrow Menu option to improve clarity and ease of use, updates to Account Application emails and the "Fill from Format" label on Request forms.
- Thanks to the technical experts from OCCS for their assistance in quickly resolving two computer problems impacting Reading Room operations this week – a LocatorPlus outage on 12/3/19, and a network problem that affected Voyager, Relais, and the network printers on 12/4/19.

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From: Carolyn Kurowski
Sent: 10 Dec 2019 12:54:19 +0000
To: Wilson, Amanda (NIH/NLM) [E]
Cc: Babski, Dianne (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E]
Subject: Re: Steering Committee Meeting Agenda (12/9)

Thanks Amanda, these are exciting updates!

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On Dec 10, 2019, at 7:19 AM, Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov> wrote:

[EXTERNAL]

Dear Carolyn,

I will miss today's meeting.

OET updates are as follows:

From NIEHS on 27 Nov: "NTP does have an interest in these educational resources [ToxTown, ToxTutor, EnvironmentalHealth Student Portal]. It's just a matter of our internal leadership going through a discussion/approval process."
ToxTown: Deliberations at NIEHS continue. Last week NIEHS Librarian Stephanie Holmgren was in touch asking about technical infrastructure for ToxTown and whether or not the student health portal was integrated with ToxTown (it is now).

ToxTutor: Last week, Stephanie also asked the same set of technical questions to Bert about ToxTutor. At the same time, Bert has had conversations with Dr. Wilson Rumbeiha, wkrumbeiha@ucdavis.edu, at UC Davis who hosts: http://www.toxmsdt.com/e-modules.html. He is very interested in taking over and Bert prefers he take over ToxTutor, but he, Dr. Rumbeiha, is using grant funding to support his website. Currently, ToxTutor is hosted on ORAU's (i.e., Oakridge) LMS TopClass (not Moodle. That needs to be corrected in last week's notes). OET prefers NIEHS.

Keeping ToxTutor up for now is folded into the maintenance we're already paying on the LMS being up. ORAU and OET exploring the option of serving the course without requiring a login.

Community Health Maps: OET is discussing evaluation results and making a sunset recommendation this week.

Apps: OET is preparing and submitting sunset plans for 4 apps: Base Chase, Bohr Thru, Rub4Green, and Tox Invaders. After approval, OET will alert Wei's team who will then pull from the app store/Google Play/ etc. OET is thinking timing on this to be April/May, unless leadership wants earlier. Wei has said OCCS can accommodate what timing we propose.

Regards,
Amanda

-------- Original message --------
From: Carolyn Kurowski <CKurowski@fmpconsulting.com>
Date: 12/10/19 06:04 (GMT-05:00)
To: Bryanne Reynolds <Breynolds@fmpconsulting.com>, "Backus, Joyce (NIH/NLM) [E]" <backusj@mail.nlm.nih.gov>, "Babski, Dianne (NIH/NLM) [E]" <babskid@mail.nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Scott, Nicole (NIH/NLM) [E]" <nicole.scott@nih.gov>, "Arnesen, Stacey (NIH/NLM) [E]" <arneses@mail.nlm.nih.gov>, "Gillikin, David (NIH/NLM) [E]" <gillikd@mail.nlm.nih.gov>, "Wilson, Amanda (NIH/NLM) [E]" <amanda.wilson@nih.gov>, "Goshorn, Jeanne (NIH/NLM) [E]" <goshorj@mail.nlm.nih.gov>, "Lockett-Jordan, Deborah (NIH/NLM) [E]" <dlovelace@mail.nih.gov>, "Reynolds, Bryanne (NIH/NLM) [C]" <bryanne.reynolds@nih.gov>, "Ma, Wei (NIH/NLM) [E]" <maw@mail.nlm.nih.gov>, Nicole Sroka <nicole@mindmoves.co>
Subject: RE: Steering Committee Meeting Agenda (12/9)

Good morning everyone,

The following is our agenda for our meeting this morning:

1. Policy on Website/Product retirement and Archiving issues
2. Sources for consolidated list of SIS products
3. DIMRC updates
4. ToxNet Updates

5. Update on data retention options and maintaining access to NLM data that is not available elsewhere. (Wei)
6. ToxTown and Tox Tutor updates
7. Other updates

See you shortly,

Carolyn Kurowski

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From: Carolyn Kurowski
Sent: Monday, November 25, 2019 10:15 AM
To: Bryanne Reynolds <Breynolds@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Nicole Sroka <nicole@mindmoves.co>
Subject: RE: Steering Committee Meeting Agenda and Notes (11/25)

Good morning everyone,

Here are the notes from our meeting today. Have a wonderful Thanksgiving!

- Plans for the ToxNet box on the NLM homepage. No updates, Stacey is working with Lisa and her team, December 16 is the deadline.

- Discussion on outdated Apps.

  - DECISION: **BSD will coordinate pulling LacMed and any other Tox related apps (not WISER) from Apple and Android stores**. As of the 16th the link for the LacMed APP will go down. OCCS does not have Android support and the Apple version of the app is very old (V5 vs V11). Group decided that apps should be taken down. Rex is working on the next Technical Document that covers LacMed and possibly LiverTox and will reference Bookshelf and HRSA site Mother to Baby.

- As we shut down sites, we need a general policy on how long the site and content should be retained by OCCS. This is really a site by site discussion – for example, sites that had licensed data don't need to be retain for a long time. A general policy would probably be good to have.

  - Category 1: we have data and we are allowed to distribute, keep visual through archive, Category 2: Keep the data but remove the search and access system. Category 3: We do not have rights to the data, OCCS retain short term, just block access, for 1-2 months and then remove completely. Coordinate with LO to archive the webpages to retain the look and feel. **(David will write this up)**

- Some of the sites being shut down are the software products and we need to determine how/if these things should be retained /archived. For example, ToxNet is a search retrieval system that NLM developed. What are the parameters that we need to consider for this legacy software/product

  - Materials that preserve the look and feel and describe how the system works should be archived. (Training materials or tutorials are a good past example).

- Results of EPA's call (Tuesday Nov 19 Bert set it up and will be attending - – what steps if any?)

  - No Action: Asking about items that did not get converted. Wanted to know how to get to the information that they need to access. They were pleased to see the technical information.

- WIM and deadlinks communications – Stacey update; Stacey will confirm that Collette and Roger are keeping everyone informed.

  - Roger has it covered, no issues.

- NIEHS updates?

  - Still gathering data. When will OET/Amanda make the decision to sunset resources.
  - ToxTutor was just updated; in Oakridge and Moodle, also free standing. Move to a single hosting location (Moodle).
  - ToxTown also recently updated and maintained on the Consumer Health.

- For BSD resources, we are working through a timeline, if they want to take over the resources they need to deal directly with the vendors because BSD does not own data.

○ Discussion on retenation of data and maintaining access to NLM data that is not available elsewhere.

- Wei will check, is our data on the FTP site backed up and accessible even if we remove the search engine?

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From: Carolyn Kurowski
Sent: Friday, November 15, 2019 9:58 AM
To: Bryanne Reynolds <Breynolds@fmpconsulting.com>; 'Backus, Joyce (NIH/NLM) [E]' <backusj@mail.nlm.nih.gov>; 'Babski, Dianne (NIH/NLM) [E]' <babskid@mail.nlm.nih.gov>; 'Nurik, Jody (NIH/NLM) [E]' <jody.nurik@nih.gov>; 'Scott, Nicole (NIH/NLM) [E]' <nicole.scott@nih.gov>; 'Arnesen, Stacey (NIH/NLM) [E]' <arneses@mail.nlm.nih.gov>; 'Gillikin, David (NIH/NLM) [E]' <gillikd@mail.nlm.nih.gov>; 'Wilson, Amanda (NIH/NLM) [E]' <amanda.wilson@nih.gov>; 'Goshorn, Jeanne (NIH/NLM) [E]'

<goshorj@mail.nlm.nih.gov>; 'Lockett-Jordan, Deborah (NIH/NLM) [E]' <dlovelace@mail.nih.gov>; 'Reynolds, Bryanne (NIH/NLM) [C]' <bryanne.reynolds@nih.gov>; 'Ma, Wei (NIH/NLM) [E]' <maw@mail.nlm.nih.gov>; 'Nicole Sroka' <nicole@mindmoves.co>
Subject: RE: Steering Committee Meeting Agenda (11/15)

Thank you everyone,

The following are the meeting notes.

- Results of EPA's call (Tuesday Nov 19 Bert set it up and will be attending - – what steps if any?)

- Plans for the ToxNet box on the NLM homepage No updates, Stacey is working with Lisa and her team December 16 is the deadline.

- WIM and deadlinks communications – Stacey update; Stacey will confirm that Collette and Roger are keeping everyone informed.

  - Process will result in deadlinks; process will be 1) remove the link, 2) redirect the link, 3) lead to text note.
  - Most redirects are between OCCS and NCBI resources
  - **WIM team needs to setup a review to make sure the redirects are working as expected – this review should go beyond just pages they control, need to work with Site owners and OCPL. (As an example, previously they have provided reports to others to let them know which links will be impacted).**
  - The links are expected to go to the transition page.
  - Static documents (looking at those for removal, archive or other actions) – who will do this work?
  - Other NLM pages that the WIM does not review; as OCPL moves into a role as a content manager.
  - **Wei will confirm the plans for redirects are moving forward and on track.**
  - **Customer Service has standard answers for sunsetting from Sunsetting team.**
  - **Strategies for communicating future changes.**

- One Technical Bulletin ready to go; in the approval process with OCPL.

- NIEHS updates?

  - Asked for analytics and cost information. Taking proposal to management. Amanda will check in with Alla.
  - ToxTown - Longer term/Fallback strategy (spoke Stacey and Stephanie- integrating information into MedLine+ -- there is ToxTown funding to do this work—would require a review of appropriate content)
  - Tox Tutor – does not have longer term plan at this time. (Society of Toxicology had expressed interest in the past – communicating with Bert and maybe Jerry; recently asked about the cost to maintain resources).

Other OET Product Updates

- American Indian Alaska Native page – sunsetting plan is being enacted.
- Artic Health – University of Alaska running new site, just redirects. (might be some work? Amanda will confirm)
- Hosting the Consumer Health Map Blog – working with the writer to find a new home.

- Other product updates?

- HSDB – still waiting for Contracts to complete next steps.
  - Original plan to cut access this weekend; now cut Monday.
- Plan around Chemical Information
  - Should we continue we continue to Tox work at all?
  - What level of support can we provide? David will provide level of effort and cost.
    - Base level – LO provide chemical sources to be used by PubChem (review process similar to what we do with Bookshelf)
    - Provide Chemical Data support – curated data – redefine the level of information needed within PubChem.
    - Provide chemical data at the Toxicology level – develop a review AND input system for providing information/shared content management system.
- AidsInfo – Nicole and Stacey have been meeting with OAR to transition, information gathering meeting to learn about service; OAR will make a decision in March about contract support and begin implementing in September.

- Will only need communications plans, does not impact OCCS since it is hosted at contractor site.

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From: Carolyn Kurowski
Sent: Friday, November 15, 2019 6:12 AM
To: Bryanne Reynolds <Breynolds@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>; Nicole Sroka <nicole@mindmoves.co>
Subject: RE: Steering Committee Meeting Agenda (11/15)

Good morning everyone,

I have the following items for our agenda for this morning.

Agenda

- Results of David EPA's call – what steps if any? (training?)
- Plans for the ToxNet box on the NLM homepage?
- WIM and deadlinks communications – Stacey update
- NIHES updates?
- Other product updates?
- Other topics?

Notes from the Steering Committee Meeting on 11/15

1. A retirement message has been put up on the page https://sis.nlm.nih.gov/ , it announced the closure of SIS, and has links to the TOXNET products that are being sunsetted in December. However, other areas cited on this page are not sunsetting yet. The message was put up for it was on one of Florence's lists of things to do in relationship to the ToxNet NCBI working group that's been underway for 2 years now. **All of the links on this page are being handled.**

SIS Home page https://sis.nlm.nih.gov/– going away and serves as access point for other resources, Amanda has outreach, K-12 education, AIDs; how is Stacey is handling DIMRC.

NLM Home Page https://www.nlm.nih.gov/ -- Action for PSD to remove Toxnet box from home page (connected page will be gone) – new product? What do they want to do? More positive page? **Stacey will talk with Lisa to determine what to replace on the Home Page.**

General action? Who is telling people about issues with web pages and web links? WIM team is dealing with broken links, how are they communicating those issues? Are they anticipated or only responding? How do they work? Stacey and Lisa (PSD) -- **Stacey will confirm that Collette is communicating the pages that are going away so the team can plan work. Can they find all links? Who else needs to be notified?**

2. For some sunsetting site, people ask us to **release source code and/or Web site icon images** (not NIH or NLM logo), I don't think that NLM has an policy regarding this and maybe we should have one or group can make a decision (thanks Joyce for providing a very useful input for a recent request).

Statement – Administrative Manual (David will send a general email and then store it on the SharePoint site).

Release Source Code -- Releasing source code creates future security risks since developed for our environment so we cannot be responsible for releasing to other environments.

Release Web site icon images – these were developed in the past so the provenance of the images is not known, so we cannot give permission to use.

3. Also for some sunsetting sites, people ask **for redirect** (redirect to new site (if content was merged)), some ask for redirect 1 year, some ask if possible to redirect forever… Again, we shall come out a consistent rule (since redirect maintenance also costs).

David will send this message as well.

NLM will support redirect for 1 year; Web team will look at adding an interrupt message during the redirect, Wei will check in.

4. Confirm everyone getting the sunsetting system communications following the system modifications by OCCS

Yes, complete.

5. Status of Dietary Supplement Ingredient/Label Database—any updates from ODS?

They are moving, we are moving forward.

6. HSDB updates?

Issue partial stop work order. And then shutting down access. Within timeline.

7. Other project updates or questions?

HAZMAP proceeding quickly, working on requisition and on track.

BSD Sunset team working with Ruben to determine what needs to be taken down across the products.

NIHES meeting about taking over TOX tutor and TOX town. Librarian very interested. Trying to figure out transition plans. (NTP may also be interested as well). ITER and other areas as well.

FOR NEXT MEETING

Results of David EPA's call – what steps if any? (training?)

WIM and deadlinks communications – Stacey will update

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From: Carolyn Kurowski
Sent: Tuesday, October 22, 2019 8:53 AM
To: Bryanne Reynolds <Breynolds@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E]

<goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E]
<dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C]
<bryanne.reynolds@nih.gov>; Ma, Wei (NIH/NLM) [E]
<maw@mail.nlm.nih.gov>
Subject: RE: Steering Committee Meeting Agenda (10/21)

Good morning everyone,

The following are the notes from the meeting including Wei's update on the release of the new functionality for the Sunsetting tool.

1. **Follow-up items from last week**
    a. Any changes to how follow-up communications are done for products that are initiated into the sunset process? Does everyone who needs to know get notified?

    Update from Wei: Following Changes (per meeting's discussion and requirements) have been implemented and pushed to production yesterday afternoon for sunsetting system:

    - The system will now notify approvers, internal staff to be notified, submitter of the request and key staff involved when someone takes an action on a request.
    - The reports permission now is given to all users.

    b. Carolyn to provide text for how to narrow the focus of Disaster program—any questions/discussion needed?

    Carolyn to schedule a meeting with Joyce and Stacey to review language

    c. Any updates to timeline of actions and internal decision on REMM?

    Check with Stacey

    d. Any updates to timeline of actions and internal decision on DR2?

Check with Stacey

e. Full cost estimate for ChemIDPlus?

   The ask is not to provide a full cost estimate but for the group to be aware that the costs are changing/increasing. Need this information by when? OCCS has identified a placeholder estimate of 7X the cost from FY19 and is waiting for a firmer estimate from Oracle, but will include an estimate in the OCCS budget to make sure it will be covered. A decision about the actual way forward for this product will need to be make in the spring (the budget estimate does not mean will automatically move forward with keeping this product).

f. Dietary Supplement Ingredient/Label Database—any updates from ODS?

   ODS knows the server is coming down in December. Rich (ODS project officer) has as a cost estimate and is working on this now. Jeanne will check in with Rich

   David and Jeanne will provide a list of products that are coming down; in "Francis" language; help from Carolyn to get this list in good order.

g. Final decision to sunset Household Products Database?

   Proceeding with including that in the December retirements; vendor has been notified. This will be done prior to the end of the contract.

h. Has Pillbox communications gone out to staff?

   No, David needs the general communication, message to David Hale provide your justification to Joyce by end of the week, know that unless he has brand new information (sustainable model) Joyce will not change her mind about sunsetting Pillbox. Plan would then be to work on taking this down in January. (time to

i. HSDB—meeting between David and Joyce and Dianne?

   David and Wei have determined that HSDB violates security requirements in several ways. Had a meeting with Contracts to do a stop work order. Anticipate penalties. Trying to identify special projects to use money effectively (environmental scans to determine what other products are available, do any Federal agencies out there have definitive list of chemicals that should be included, even have feedback on most useful elements). Only half of the FY19 money was

obligated, will not be using FY20 funds, and HSDB will "go into hiatus" for a few years. During that time evaluate if it should be brought back using a new content management system. For users, content system was already being changed over to PubChem, and all resources available. NCBI will to go with the status quo but they do not want to be developing a new content management system. Jeanne and team will ask for use information.

If there is an emergency chemical information need, NLM could be asked to do a manual update to the records, after coordinating with other agencies.

2. **Continue to review the status of transitioning SIS products (I've attached the meeting notes from last week as well as the most recent version of the product list)**

Drug information portal – Works off of ChemID, different interface and pulling information from same searches so if ChemID goes away, this should go away as well. Meng can fix dead link problem while she fixes them in ChemID (actually happens automatically for Drug Info Portal). This will give us more time to answer the question "What is NLM's Drug Information goal/intentions?" Has solid use information and could end up being a valued product but need time to determine.

Carolyn Kurowski

Managing Partner

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From: Bryanne Reynolds <Breynolds@fmpconsulting.com>
Sent: Thursday, October 17, 2019 6:48 PM

To: Carolyn Kurowski <CKurowski@fmpconsulting.com>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Wilson, Amanda (NIH/NLM) [E] <amanda.wilson@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Lockett-Jordan, Deborah (NIH/NLM) [E] <dlovelace@mail.nih.gov>; Reynolds, Bryanne (NIH/NLM) [C] <bryanne.reynolds@nih.gov>; Bryanne Reynolds <Breynolds@fmpconsulting.com>; Ma, Wei (NIH/NLM) [E] <maw@mail.nlm.nih.gov>
Subject: Steering Committee Meeting Agenda (10/21)

Hi all,

Here's an agenda for Monday's Steering Committee meeting. Carolyn will be back with you all facilitating the meeting. Have a good rest of the week/weekend!

Agenda 10/21

1. **Follow-up items from last week**
    a. Any changes to how follow-up communications are done for products that are initiated into the sunset process? Does everyone who needs to know get notified?
    b. Carolyn to provide text for how to narrow the focus of Disaster program—any questions/discussion needed?
    c. Any updates to timeline of actions and internal decision on REMM?
    d. Any updates to timeline of actions and internal decision on DR2?
    e. Full cost estimate for ChemIDlus?
    f. Dietary Supplement Ingredient/Label Database—any updates from ODS?
    g. Final decision to sunset Household Products Database?
    h. Has Pillbox communications gone out to staff?
    i. HSDB—meeting between David and Joyce and Dianne?

2. **Continue to review the status of transitioning SIS products (I've attached the meeting notes from last week as well as the most recent version of the product list)**

- What is the current plan (dates and activities)?
- What assistance is needed/requested?
- Does the team need a decision to move forward?
- Do team members need to coordinate on some aspect of the plan (technology, communication, research)?
- Sunsetting product lessons learned/shared process development

3. **Sunsetting product lessons learned/shared process development**

Thanks,

Bryanne

Bryanne Cordeiro Reynolds, Ph.D.

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From: Carolyn Kurowski
Sent: 10 Dec 2019 15:12:29 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Subject: FW: General update message
Attachments: DRAFT language on SIS products 10.31.2019.docx

Hi Joyce,

This is a general message we can share with David and the rest of the team that I think captures the words of why and what is changing.

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From: Carolyn Kurowski
Sent: Thursday, October 31, 2019 1:52 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Subject: General update message

Hi Joyce,

I have attached a draft update message for your review. The idea would be for you and Wei to share this with LO and OCCS staff to help people understand the status of SIS products. It could also be talking points you share at an all staff meeting. I tried to work in that your Div Chiefs are in fact working on making decisions, that it is an iterative process and that you are using the criteria established back in Jan. I am hoping that this message will provide both Stacy and David the talking points they need to move things forward with some of their staff members. In addition to this message, I will have a draft update on the disaster products and on the toxicology product for you when you get back on Tuesday. Have a safe and fun trip the weekend!

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Draft language for Joyce and Wei to share regarding the status of SIS products. This draft is based on the discussions during previous meetings, messages from Dr. Brennan and Joyce and updates from the Steering team.

Background language from Dr. Brennan:

"To start, we're taking a good look at all of our public-facing services, from dbGaP to PubMed to MedlinePlus, from TOXNET to PubChem to ClinicalTrials.gov. We want to be sure the user experience for each of these services is the best it can possibly be. We also want to ensure the infrastructure is robust and sustainable, and that we haven't ended up with an awkward patchwork on the back end through a series of well-intentioned but disparate fixes and user-driven improvements. We need to launch the next decade on solid technological footing." Dr. Brennan, Blog post. *Moving Forward—Together (July 2018).*

One NLM emphasizes the integration of all our valuable divisions and services under a single mantle, and acknowledges the interdependency and engagement across our programs. Dr. Brennan, Blog Post. *One NLM (January 2017).*

DRAFT MESSAGE

LO and OCCS Workforce Message

Intended Audience: NLM workforce (OCCS and LO in particular)

Status of SIS Programs:

Just over three months have passed since we integrated SIS staff into LO, OCCS, and OCPL. We appreciate the flexibility and adaptability our staff members have shown in response to these changes. In particular, we appreciate everyone's efforts to transition and support the various programs built by SIS over the years. We continue to review and evaluate these products and services to determine which we should include in NLM's long-term portfolio of products. We are having to make difficult decisions about some long-standing offerings, and we thought it would be helpful to share a few insights into how we are making our decisions and determining how we will proceed.

At a high level, our decisions are being guided by the NLM Strategic Plan and Dr. Brennan's vision of a well-integrated, user-friendly, and technologically-stainable portfolio of offerings. As we consider both topic areas and individual products, we are looking to the criteria established back in January when the first phase of evaluations occurred. These criteria include the following considerations:

- NLM should consolidate information into a few platforms for improved user experience, discoverability, and efficiency
- Priority should be given to resources that are unique, high quality, and that are highly connected to NLM offerings, or clearly contribute to furthering the strategic plan
- NLM is committed to supporting key offerings in chemical, toxicology, and environmental health
- Sunset offerings if a sufficiently-equivalent offering is available from another organization
- Sunset offerings that don't have a clear sustainability or succession plan

- Sunset offerings that have low or declining use
- Consider the cost required to sustain and upgrade
- NLM shouldn't be a web provider for another agency/entity just because they pay

Using these criteria, we have decided to focus on streamlining and consolidating NLM's chemical, toxicology and environmental health resources. We have also determined that NLM will continue to provide disaster-related literature and some grey literature that is already collected through digital collections or Bookshelf. However, we will no longer be providing products that are specifically focused on disaster grey literature. WISER will continue given that it is a toxicology-related resource. Across all our offerings, we are looking for opportunities to integrate products into existing platforms or technologies, but stand-alone offerings and offerings without a strong infrastructure are being sunset.

Our approach has been an iterative process; asking questions and collecting information so we can make appropriate decisions that are in the best interest of the Library and our users. Our Division Chiefs and their staff are working closely with our OCCS colleagues, and over the next 18 months they are working on plans for each of the SIS offerings. As we learn more about different products in light of the criteria we have established, we are finding that the best decision is to transition these resources to other organizations or sunset them all together. We understand this may be challenging, but we also believe that these efforts will help us build a strong, integrated portfolio of offerings that exemplify that future vision Dr. Brennan laid out for all of us close to two years ago.

From: Huerta, Mike (NIH/NLM) [E]
Sent: 10 Dec 2019 21:34:36 +0000
To: Samsel, Leigh (NIH/NLM) [E]
Subject: For OSI Website
Attachments: Mike Huerta 9-18-17.jpg, July 2017digital_ecosystem.pdf

_____

Michael F. Huerta, PhD
Director, Office of Strategic Initiatives
Associate Director, National Library of Medicine, NIH

Realizing the Promise of a Digital Ecosystem for Science and Scholarship[i]

Michael F. Huerta, PhD, Associate Director for Program Development and NLM Coordinator of Data Science and Open Science, National Library of Medicine, National Institutes of Health

What is the National Library of Medicine and What Does It Do?

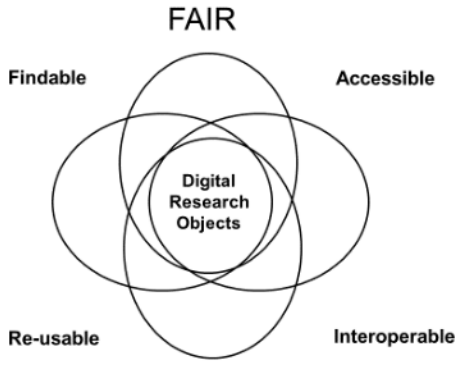
The National Library of Medicine (NLM) joined the National Institutes of Health (NIH) in 1968. As an NIH Institute, NLM conducts and supports research and training in information science, informatics, and data science. The NLM is also the world's largest biomedical and medical library, tracing its origins to the library of the Office of the Surgeon General of the Army in 1836[ii]. Today, in addition to its large collections of physical items, including books, journals, manuscripts, photographs, and other items, NLM is also home to hundreds of digital data and information resources. These include major resources, such as ClinicalTrials.gov[iii], which houses information about and from hundreds of thousands of clinical trials, and MedlinePlus[iv], which provides authoritative consumer health information, as well as smaller resources serving important niche purposes, such as TOXNET, which is a collection of databases and information products related to toxicology, environmental health, and hazardous substances[v].

Every day, NLM receives more than 10 terabytes of digital content from more than 3000 users, and delivers more than 100 terabytes to more than 4 million users, often through application programming interfaces. Users of these resources include researchers, healthcare providers, and the general public. The Library supports activities that engage all categories of users to make its resources known, understood and used. For example, to facilitate and enhance health information access to the general public throughout the country, including many rural areas, the NLM supports the National Network of Libraries of Medicine[vi]. Through its eight regional medical libraries, the Network reaches more than 6500 points of presence across the country in academic health science, community college, tribal college and public libraries, as well as other organizations, such as community health centers.

With medicine and biomedicine as its substantive scope, the NLM has been paying attention to that literature for more than 180 years. In 1879, John Shaw Billings, Director of the Library of the Surgeon General of the Army, and Robert Fletcher compiled and had published *Index Medicus*, an index of medical books, journals, and pamphlets[vii]. Stewarded by NLM, *Index Medicus* continued to be the authoritative index of the medical literature until 2004, but by 1964 the Library had started compiling citations and indexing much of the biomedical and medical literature digitally, in a database system called MEDLARS. In 1971, this database became available online (mostly

through university libraries) as MEDLINE[viii]. And, in 1997, PubMed, which included MEDLINE bibliographic data and more, was launched for free use by anyone on the World Wide Web. Today, PubMed contains more than 27 million bibliographic citations[ix].

In addition to bibliographic data, NLM has established databases and resources for particular types of research data. These include GenBank, a database containing all publicly available DNA sequence data with annotations[x], and others[xi]. As biomedical research becomes increasingly digital, the NLM will likely pay attention to research objects beyond research data and bibliographic data. Such digital research objects[xii] (DROs) might include software used to generate or analyze research data, as well as models, workflows, etc., used in research. (It is important to note that "pay attention to" covers a broad range of possible activities.) To DROs, such as citations or datasets, NLM applies: information science to curate acquired objects, informatics to compute in context on these objects, and data science to extract insight from these objects. After this, the DROs are findable (e.g., by having had metadata assigned), accessible (e.g., through publicly accessible databases), interoperable (e.g., by having adopted common data-related standards), and re-usable (e.g., by linking one set of objects, like publication citations, to another set of objects, like the datasets reported on in those publications). Thus, the processes of NLM applied to DROs make those objects compliant with the FAIR Principles[xiii]. In addition, NLM is interested in making DROs attributable (e.g., through PubMed Identifiers, PMIDs, or GenBank Accession Numbers) and sustainable (NLM considers this carefully before committing to hosting DROs).



The Importance of Being FAIR

When DROs are findable, accessible, interoperable, re-usable, and attributable, they make possible a more data-centric and open paradigm of science and scholarship, where the products and processes of research can populate an ecosystem that allows for others than those who produced specific DROs to add value to the science and scholarship around them. The starting point for bringing DROs into this more open ecosystem is to share DROs, especially data. Benefits of sharing data and other DROs can include (depending how interoperable they are with other data and tools): providing a deeper understanding of the publications and ideas with which they are associated, gaining additional insight by reanalysis of the data, boosting statistical power to answer particular questions by aggregating multiple datasets, ability to apply big data analytic methods, broadening opportunities for collaboration, enhancing accountability

(e.g., assessing reproducibility) and increasing return on research investments for research participants, science, and society.

Of course, there are also objections to such sharing, including: the costs incurred by making data and other DROs FAIR and sharing them, the possibility of others using the shared data to publish before the lab that produced the data does, concerns about intellectual property, patient privacy, and confidentiality, the fact that credit is accrued to investigators for papers published but not for data-related activities (so efforts not directed at publishing represent a net loss), the concern that data will not be understood and that the data will be misused. Most of these objections can be, and in some cases have already been, overcome (e.g., support of funders for data-sharing activities, use of embargo periods so sharing data happens after publication, and a host of policy and practice solutions to address intellectual property and patient privacy concerns). Yet, some, such as the lack of incentives for data-sharing, will require broad changes in the enterprise, while others still, such as the misuse of data, may never be fully resolved.

Conducting biomedical research in a more data-centric and open paradigm has repeatedly been shown to add significant value to science and scholarship. This was perhaps most famously demonstrated by the Human Genome Project, a 13-year project launched in 1990 that fundamentally changed the direction of biomedical research, and transformed our understanding of health and illness[xiv]. The spectacular success of the Human Genome Project was powered by collaborations and interactions of investigators in the ecosystem wrought of its findable, accessible, interoperable, re-usable data, tools, and infrastructure. Since then, many large-scale data-centric and open research initiatives have proven the value of these paradigms, including the Human Connectome Project and its subsequent related initiatives[xv], the NIH Human Microbiome Project[xvi], and the Genotype-Tissue Expression initiative[xvii]. And, the use of data-centric and open paradigms continues today as projects like All of Us[xviii] and the Adolescent Brain Cognitive Development Study[xix] get underway.

From Concept-Centric and Closed to

Data-centric & open paradigms have proven successful

Data-Centric and Open

Despite many examples of data-centric and open approaches being used, most biomedical research is not conducted that way. For most research, the major public products are scientific papers reporting conclusions *about* the data, but the data themselves are almost never seen by others, much less shared with others. Thus, the currency of most biomedical research is not the data, but ideas and concepts about the data; it is concept-centric. And, since data are not made available to others, most research remains closed rather than open. This, however, is about to change. As society increasingly expects data from federally

funded research to be broadly accessible, as computational and communication technologies become ever more powerful, as the scientific opportunities afforded by open and data-centric paradigms become more obvious, and as bipartisan policy directives from executive and legislative branches of the federal government encourage data sharing, it is likely that data-centric and open paradigms will soon be used beyond the confines of one-off initiatives.

An important policy directive was issued on February 22, 2013 by the Director of the White House Office of Science and Technology Policy (OSTP), Dr. John Holdren, wherein federal agencies with annual research and development budgets exceeding $100 million were directed to increase public access to the results of the research they conduct or support, including both the publications and the data underlying those publications[xx].

The National Institutes of Health issued its plan for meeting the OSTP directive in February 2015[xxi]. Regarding access to research publications, the NIH already had a policy in place, and NLM had already developed PubMed Central as the infrastructure to provide public access to them. Starting in 2008, NIH required "scientists to submit final peer-reviewed journal manuscripts that arise from NIH funds to PubMed Central immediately upon acceptance for publication"[xxii]. Since the OSTP directive, several other agencies across the federal government have opted to use PubMed Central as the infrastructure for publications supported by those agencies. The NIH plan for making research data more accessible in response to the OSTP directive and in the interest of better science, is described below.

What is NIH Doing to Make Digital Research Objects FAIR?

As data and other DROs become more broadly accessible, it is important that NIH encourage and facilitate these objects being findable, accessible, interoperable, and re-usable. There are existing and ongoing efforts at NIH that do or could support the FAIR principles; some of these are described, below.

Findable – PubMed is a powerful platform for discovery of the biomedical literature, with coverage from 1946 to the present, and more selectively before 1946. The full contents of some 5600 journals are indexed with a curated, hierarchically organized terminology (MeSH[xxiii]) that allows for sophisticated search and retrieval of citations. This infrastructure could be leveraged to make other DROs, such as datasets, findable, perhaps by building on MeSH in ways that would be well suited to categorize and find datasets, with a pointer to the locations of the datasets.

Some publication citations in PubMed already link to datasets[xxiv]. And, it is expected that within the next year, investigators submitting papers to PubMed Central will be able to also deposit in PubMed Central the datasets associated with those papers. Both mechanisms allow data to be findable via the literature.

Data repositories make their constituent data findable and NLM supports a portal with information about, and links to, some 70 data repositories that are supported by NIH[xxv], and that allow data egress and ingress. This portal can be used to identify data repositories contain-

ing data of interest, and the search mechanisms available for the respective repositories can be used to find specific datasets.

Looking forward, NLM is now exploring specifications that could be used to describe datasets with appropriate metadata, ideally in ways that would be widely applicable across much of the diverse data landscape of biomedical research.

Accessible – As was mentioned, the 2013 OSTP directive to increase public access to research results supported with federal funding included increasing access to both research publications and research data. Highlights of the NIH plan to make research data more accessible include that policies would apply to all NIH mechanisms of research support, including grants, contracts, and intramural projects, and would apply at all levels of support, regardless of the amount of budget.

Data management plans would be expected from all applications and proposals for research support, and would provide information such as the type and amounts of data expected to be generated or collected, the data-related standards to be used, how data might be made available to others, provisions for re-use, etc. The data management plans would be part of the review process, with the review of the plan being able to affect the merit score.

Peer review of the data management plans would allow plans to be reviewed on a project-by-project basis, with the expertise and norms of that particular research community brought to bear on the assessment. Peer review of data management plans, with that review affecting the overall score of the review, will also raise the salience of the plans with applicants and reviewers, encouraging an appropriate level of consideration being paid to them both parties.

Interoperable – Data, and other DROs, are made interoperable with other DROs, tools and data resources through the use of standards. The NLM develops, supports the development of, and stewards widely-used standards, particularly for biomedical literature, healthcare information technology, and certain types of research data. These standards include[xxvi] terminologies, such as the Unified Medical Language System[xxvii] and SNOMED CT, coding systems like LOINC[xxviii], and metadata tagging specifications like JATS[xxix].

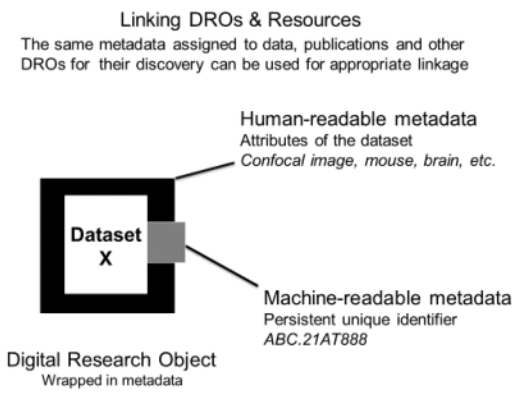
Across NIH, data repositories and major research initiatives supported by NIH, its institutes and centers, also specify data-related standards. Some of these, such as the Human Connectome Project, have incentivized investigators beyond that initiative[xxx] to adopt their data-related standards as their adoption allows investigators not supported by the initiative to rigorously compare their data with the initiative's data.

As the value of the use of common standards becomes more evident, institutes and centers of the NIH are increasingly communicating about and coordinating such efforts. For example, the NIH Clinical Common Data Elements Task Force maintains a conversation among all institutes and centers on this topic and is currently considering how to best harmonize related infrastructure, as well as developing and documenting best

practices for standing up common data element initiatives. The NLM has also developed web resources on behalf of the Task Force, including a portal to NIH collections of common data elements and related resources[xxxi], and a repository for common data elements used in research conducted or supported by NIH[xxxii]. The repository allows users to search for specific common data elements, by topic, funding opportunity announcement, etc., as well as serving as a platform to compare and harmonize similar but distinct common data elements. Such harmonization mitigates the unnecessary proliferation of these types of standards.

NIH is now launching pilot projects to create cloud instances as virtual spaces for data, analytic tools, repositories, and other DROs. Digital research objects that populate this NIH Data Commons will need to be compliant FAIR principles and certain standards[xxxiii], enhancing their interoperability.

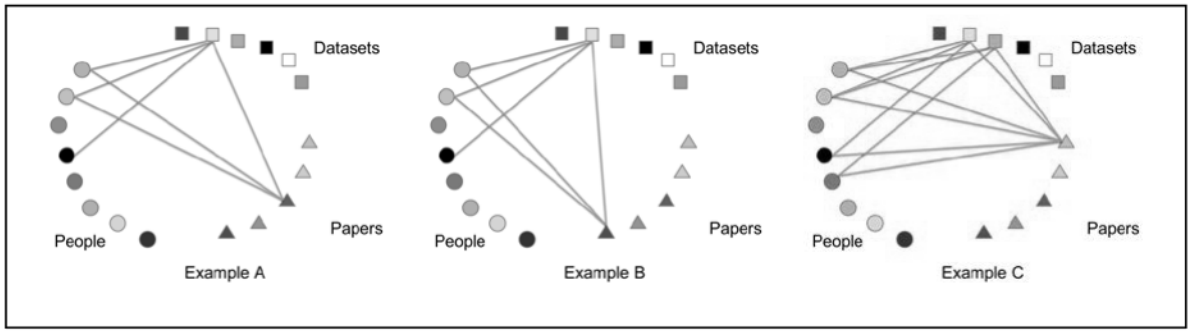
Re-usable – Digital research objects are re-usable and most useful when they are linked to each other. Such linkage depends upon metadata of the DRO (metadata are data or information about DRO). For example, if the DRO is a research dataset, it might have both human-readable and machine-readable types of metadata. The human-readable metadata might be a set of descriptors such as "confocal image, mouse, brain" to reflect the instrument source of the data, and the organism and tissue type from which the data were collected. The machine-readable metadata might be a string of alpha numeric characters. Ideally, the identifier is unique so it resolves to the intended object, and persistent so



that version of that object will not be lost over time, and its provenance tracked (i.e., changes to the object can be monitored by relating the identifier to identifiers of subsequent, modified, versions of it).

Linkage of DROs forms the basis of a digital ecosystem because such linkage allows DROs to interact in an automated and dynamic way. A simple example of such an ecosystem is shown below, where each disc represents a particular person, each square a particular dataset, and each triangle a particular scientific publication. And, each of these objects is associated with other specific objects through linkage of their respective persistent unique identifiers, shown as lines connecting them.

In Example A, below, three individuals participated in activities resulting in a dataset (i.e., they are the data authors), and two of them were authors on the paper. In Example B, the same dataset produced by the same three data authors resulted in a second publication by the same two paper authors. In Example C, the dataset and data authors from examples A and B, as well as an additional dataset authored by a subset of data authors in previous example and a



new author, served as the basis of a scientific publication for which all authors of both datasets served as paper authors.

At this time, through some of NIH's research data repositories, bibliographic data platform (i.e., PubMed), administrative systems for grants, investigator's identifiers, and other DRO identifiers, simple linkage like that illustrated here is possible for certain sets of DROs (e.g., as does the National Database for Autism Research[xxxiv]).

Now, imagine an ecosystem where all DROs have persistent unique identifiers and are associated with (linked to) all DROs appropriately. So, in addition to identifiers of particular datasets, publications, investigators and their affiliations, also present and appropriately linked in this ecosystem are identifiers such as those for the specific instrument used to collect the data (e.g., the particular magnetic resonance imaging scanner), the specific data-related standards (e.g., NIfTI-1[xxxv] data format), the software used to statistically analyze the data (e.g., AFNI_17.2.05[xxxvi]), pre-registered experimental protocols[xxxvii], etc. For any given DRO (whether a dataset, paper, data author, paper author, software tool, etc.), such an ecosystem would allow a person - or a computer - to be aware of all of the other DROs directly linked to it. Of, course, this awareness of associations need not be limited to the first degree of association, but higher levels; analysis of such higher dimensional relationships across networks of DROs could provide interesting insights about the nature of the science, itself. Comprehensive awareness of associations in and by the ecosystem could be maintained by something like a blockchain approach[xxxviii],[xxxix], with the DRO links representing the transactions tracked. Such an approach could provide a way to characterize the DROs and maintain provenance at-scale in an open, distributed, and reliable manner, adding significant value to the ecosystem of science and scholarship.

Data Science and Open Science at NIH: Looking Forward

With the retirement of Dr. Donald A. B. Lindberg as the Director of NLM, the Director of NIH asked a working group of the Advisory Committee to the Director to examine the nexus of NLM's purview and expertise and the future of data science and open science in biomedicine[xl]. Later that year, the working group issued a report[xli] with six recommendations, all of which were adopted by the Director of NIH. One of these was that "NLM should be the intellectual and programmatic epicenter for data science at NIH" and another that "NLM should lead efforts to support and catalyze open

science, data sharing, and research reproducibility, striving to promote the concept that biomedical information and its transparent analysis are public goods." Soon thereafter, Dr. Patricia Flatley Brennan accepted the position as Director of NLM.

Since Dr. Brennan's arrival at NLM, input has been solicited and received from many, including NLM leadership and staff, leadership of NIH institutes and centers, external experts, and the general public through meetings, workshops, committee deliberations, town halls, and published requests for information (some of these activities have been undertaken as part of the decadal NLM strategic planning process). Informed by these ideas from diverse perspectives, a view has emerged of the key issues that need to be addressed as NLM assumes the leadership role for data science and open science at NIH.

A clear and urgent priority for biomedical data science and open science is to engage with others across NIH to develop solutions for sustainability. As more large scale, large cohort studies, initiatives, and research programs are launched, the valuable data they produce must be housed, curated, and disseminated. Economies of scale and experience can be realized with a strategic enterprise approach, solving the same problem once rather than multiple times, converging on common standards, common architectures, coordination of acquisition activities around compute, and developing best practices for implementing and maintaining data assets and related infrastructure. Of course, it is important that trans-NIH approaches are flexible enough to meet the needs of particular studies, initiatives, and programs.

Another important contributor to sustainability is the use of evidence-based value assessment (e.g., cost/benefit analyses). Decisions such as those about: which data to keep, at what level particular datasets should be curated, how long specific datasets should be kept, which infrastructure should be invested in, which policies should be implemented and at what level of compliance, would all benefit by having an empirically-derived base of evidence for support. Such evidence could be used to develop criteria and heuristics for guidance about future investments in data, infrastructure, and policy.

Other priorities include the: 1) Strategic engagement beyond NIH, as data, science, and scholarship do not respect borders of nations, economic sectors or disciplines. 2) Development of a data-savvy workforce, including not only data scientists, *per se*, but data scientists cross-trained in biomedicine, biomedical scientist cross-trained in data science, both intramurally and extramurally. And, as data science and open science figure more prominently in NIH portfolios of extramurally-supported research, program officers, scientific review officers, and scientific policy staff of NIH must become more familiar with these areas. 3) Promotion of open science through changes in policies, engagement with the public around data and open science issues, and the development of tools designed specifically for use by public to facilitate their participation in research activities. 4) Research and innovation in data science and open science, developing new analytic approaches and tools,

solutions to challenges of curation at-scale, and exploration of various flavors of artificial intelligence to harness the dynamic and expanding ecosystem of science and scholarship.

Finally, it is important to note that the behaviors of individuals and the practices of research-related organizations in a closed, concept-centric paradigm of science and scholarship are very different than those required for an open, data-centric paradigm. For example, in the former data are not shared, while the latter depends upon sharing data (and other DROs). The flip from the former paradigm to the latter will require changes in incentives to both people and organizations comprising the biomedical research enterprise (e.g., universities, funders, publishers, professional societies, regulatory agencies, etc.). Ideally, these incentives would be distributed across the entire enterprise and would be strategically aligned with each other to be mutually and maximally reinforcing, and avoiding unintended consequences. Due to wide variations in how poised various biomedical research domains are for adopting a data-centric and open paradigm (e.g., genomics already is largely thus; not so for epidemiology), such strategic incentive structures would likely be best designed and developed domain-by-domain, rather than across all areas of biomedicine at once.

In closing, the cumulative biomedical knowledgebase and breathtakingly powerful scientific technologies available today present significant opportunities to understand health and mitigate illness. A digital ecosystem wrought of data science and open science promises to multiply these opportunities many-fold. With the right incentives in place, this promise could be realized in the foreseeable future.

References

[i] Supported by the National Institutes of Health, National Library of Medicine

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[viii] https://www.nlm.nih.gov/pubs/factsheets/medline.html

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[x] https://www.ncbi.nlm.nih.gov/genbank/

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[xxxvii] http://www.sciencemag.org/careers/2015/12/register-your-study-new-publication-option

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[xli] https://acd.od.nih.gov/documents/reports/Report-NLM-06112015-ACD.pdf

From: Arnesen, Stacey (NIH/NLM) [E]
Sent: 12 Dec 2019 21:04:38 +0000
To: Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Cc: Middleton, Grace (NIH/NLM) [C];Scott, Nicole (NIH/NLM) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: RE: question from a reporter re: ToxMap

Hi Jody,

Please contact David Gillikin and Jeanne Goshorn regarding TOXNET.
Stacey

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Thursday, December 12, 2019 4:01 PM
To: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Arnesen, Stacey (NIH/NLM) [E] <arneses@mail.nlm.nih.gov>
Cc: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi Stacey,

Do you know if an update went out to stakeholders in the last day or two about Toxnet ? We have received the below request in addition to another one. We are wondering what precipitated the two requests. If you aren't the right person who should OCPL reach out to?

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Dec 12, 2019, at 2:40 PM, Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov> wrote:

> Hi Grace,
>
> As part of the sunset efforts, were there key messages, talking points developed? If so, a written response could be drafted as part of the clearance request. Can recommend that it just be a statement; not an interview.
>
> Diane

From: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Sent: Thursday, December 12, 2019 2:06 PM
To: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Cc: Jones, Cameron (NIH/NLM) [E] <cajones@mail.nih.gov>; NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: FW: question from a reporter re: ToxMap

Diane,

What is the process for these media inquiries?

Thanks,
Grace

From: NLM Communications <NLMCommunications@nlm.nih.gov>
Sent: Thursday, December 12, 2019 12:09 PM
To: Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
Cc: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: FW: question from a reporter re: ToxMap

Forwarded by Cameron

Hi Grace – this looks like a sunsetting related inquiry so I am forwarding it to you.

From: Michael Schulson <michael@undark.org>
Sent: Thursday, December 12, 2019 11:38 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: question from a reporter re: ToxMap

Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

I'm at Personal Info

Thanks,

Michael

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark

Personal Info

From: Nurik, Jody (NIH/NLM) [E]
Sent: 12 Dec 2019 21:09:10 +0000
To: Tuncer, Diane (NIH/NIDDK) [E];Middleton, Grace (NIH/NLM) [C]
Cc: Scott, Nicole (NIH/NLM) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: RE: question from a reporter re: ToxMap

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This might be the reason for the two press requests today. David Gillikin and Jeanne Goshorn regarding TOXNET might be able to provide assistance/insights.

Thanks,
Jody

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Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
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Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
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From: Tuncer, Diane (NIH/NIDDK) [E]
Sent: 12 Dec 2019 21:38:03 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: FW: question from a reporter re: ToxMap
Attachments: TOXMAP.docx

I'm going to run upstairs to see if you are available for review. See attached.

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Thursday, December 12, 2019 4:09 PM
To: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
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I'm at (Personal Info

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--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

Dear [Michael]

Dear [David]

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:
U.S. EPA Toxics Release Program (TRI)
U.S. EPA Superfund Program
U.S. EPA Facilities Registry System (FRS)
U.S. EPA Clean Air Markets Program
U.S. EPA Geospatial Applications
U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
Government of Canada National Pollutant Release Inventory (NPRI)
U.S. Census Bureau
U.S. Nuclear Regulatory Commission (NRC)

Sincerely,

The NLM Team

****

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Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

From: David LaRoss <dlaross@iwpnews.com>
Sent: Thursday, December 12, 2019 1:48 PM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: Press request: Discontinuation of ToxMap

I'm working on a story for the newsletter *Inside EPA* about the end of NLM's ToxMap service. Does the library have any comment on the reasons for canceling it, or any potential replacement for the function it currently serves?

Deadline is close of business today. Thanks!

--
David LaRoss
Inside EPA
Personal Info

From: Tuncer, Diane (NIH/NIDDK) [E]
Sent: 12 Dec 2019 21:38:04 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: FW: question from a reporter re: ToxMap
Attachments: TOXMAP.docx

Hi Jody,

Looks like we received 2 inquiries about TOXMAP.

Attached is a draft response that we could consider using for both inquiries (very similar inquiries), which is curious.

Want to share with you before reaching out to Jerry.

Diane

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Thursday, December 12, 2019 4:09 PM
To: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Middleton, Grace (NIH/NLM) [C] <grace.middleton@nih.gov>
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U.S. EPA Facilities Registry System (FRS)
U.S. EPA Clean Air Markets Program
U.S. EPA Geospatial Applications
U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
Government of Canada National Pollutant Release Inventory (NPRI)
U.S. Census Bureau
U.S. Nuclear Regulatory Commission (NRC)

Thank you.

****

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David LaRoss
Inside EPA
Personal Info

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 12 Dec 2019 22:06:02 +0000
To: Tuncer, Diane (NIH/NIDDK) [E]
Cc: Nurik, Jody (NIH/NLM) [E]
Subject: FORM REQUEST TO RETIRE NLM TOXMAP March2019rev - js.docx
Attachments: FORM REQUEST TO RETIRE NLM TOXMAP March2019rev - js.docx

Here's the information about why we sunset ToxMap.

REQUEST TO RETIRE NLM TOXMAP

Product owner(s) fill out sections I, III, IV and V. Include documentation with this form.
Record approvals in section II.

I. **Written justification for the retirement of an NLM resource.** Three to six months before sunsetting any NLM resource, a written justification for the retirement of the resource must be prepared. In drafting the justification, the use of statistics is often helpful. Reasons for sunsetting and/or retiring an NLM resource may include (check all that apply):

☐ Low usage

☐ Obsolescence (that is, better products have come along) – whether from NLM or another group

☒ No longer aligned with NLM priorities or mission needs

☐ Incorrect or out-of-date information. If information cannot be updated, then archive the resource

☒ Reallocation of staff to different products because resource is no longer a priority

☒ Cost in relation to value

☒ Other (Please explain) The US EPA now produces several GIS products and visualization applications (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality, except the ability to search TOXNET from within the GIS tools. This was a unique feature in TOXMAP-classic, which was retired due to the obsolete technology platform. The new version of TOXMAP does not have this feature either. To make the new TOXMAP to have this feature will require major investment in software development. We cannot justify the effort because the usage of this feature was very low, averaging about 400 searches a year.

II. **Approval.** This form must be signed by:

- NLM Division head (within LHC, LO, NCBI, OCCS, SIS, OD) Initial Here Date

- Upon approval by NLM division head, forward completed form to Kathy Cravedi, Director, OCPL (kcravedi@nlm.nih.gov), for distribution and approval by:
  NLM Director Initial Here Date
  NLM Deputy Director Initial Here Date
  NLM Communications Director Initial Here Date

III. **Prepare Communications plan for sunsetting the NLM resource.** This document is developed for sharing news about the retirement of the NLM resource with relevant internal and external audiences. Please address the following key elements:

A. ***Internal communication plan*** for NLM staff. Identify who needs to be informed? (staff, contractors) SIS staff, NLM staff, NNLM staff and core set of dedicated users from the Public Health and Toxicology Communities.

1. Determine questions that may need to be addressed. These may include:
   What information needs to be provided? TOXMAP will be retired because it no longer aligns with NLM priorities and because the US EPA now

provides several GIS products that provide similar GIS functionality of TOXMAP.

- When will the information be provided? End of FY2019
- By what method(s) will information be provided? Example: Email to all NLM staff Email, GovD posts, announcement on TOXMAP web site
- If multiple messages are to be sent, by what method(s) and with what frequency? Over a three-month period.
- Are there any potential areas for misunderstanding or concern? None except that core users of TOXMAP will not have a comparable resource available. PLEASE EXPLAIN – YOU SAY ELSEWHERE THAT THE INFORMATION IN TOXNET IS AVAILABLE FROM OTHER SOURCES, AS IS MOST FUNCTIONALITY.

2. Establish what may need to be communicated to internal audiences. This could include:
   - Why is this program or service being retired? TOXMAP will be retired because the US EPA now provides several GIS products that provide similar GIS functionality.
   - What content, if any, will still be available and, if so, why and where? (Options may include archived pages on the NLM website, FTP, the Wayback Machine internet archive, and tape.) US EPA GIS applications and TRI applications; possibly NLM TOXNET TRI
   - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS.
   - What staff will be involved in this transition? Colette Hochstein
3. Identify mechanisms to be used for communicating with internal audiences. These may include some or all of the following (Check all that apply):
   - ☒ Emails
   - ☒ Signage
   - ☐ Information delivered at staff meetings
   - ☐ Point of discussion at brown bag luncheons
   - ☐ Town Hall meetings, etc.
   - ☐ Other (Explain) Enter other mechanism(s)
4. Develop and attach a set of Talking Points for the NLM Director TOXMAP has helped users visually explore data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canadian NPRI data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plants. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program. It will be retired at the end of FY2019. the US EPA now provides several GIS products that provide similar GIS functionality.
5. Does the NIH Director or other IC Directors need to be informed? No

   If Yes, check all that apply:

   ☐ The service is produced jointly with another IC or serves an audience of interest to the IC

Comment [SJ([]: Do we need to provide any advanced warning to NIEHS? Are they or their stakeholder communities users of this resource?

☐ The service has high visibility and sunsetting may result in questions, letters, emails to the NIH Director from the public, key stakeholders, Congressional staff, HHS leadership

☒ Other (Please elaborate) SIS has worked for many years with the US EPA regarding the data and functionality of TOXMAP. Their staff should be informed of its status.

B. ***External communication plan*** for users, stakeholders, and the public

1. Who needs to be informed? (Identify stakeholders).
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other original sources. GIS application users can access them by overlaying the data in their GIS applications. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS

2. Establish what may need to be communicated. This could include—
    - Why is this program or service being retired? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
    - What content, if any, will still be available and, if so, why and where? Data used in TOXMAP will be available from other sources. GIS application users can access them by overlaying the data to the maps. TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI.
    - What will happen to the staff working on the product or service? Assigned to other areas and projects within NLM/SIS
    - How can I or how can my group be involved in this transition? Provide related information as needed.

3. Identify what needs to be completed:
   - ☐ Deliverables Specify
   - ☒ Responsible party or parties for the sunsetting process Colette Hochstein, Florence Chang
   - ☐ Due date 9/30/2019

   Identification of communication channels. These could include (Check all that apply):
   - ☒ emails to stakeholders and users
   - ☐ signage
   - ☐ NLM homepage (public news announcement)
   - ☐ speeches
   - ☒ social media including Facebook, Twitter, LinkedIn, etc.
   - ☒ newsletters/blogs, including *Technical Bulletin*, *NLM in Focus*, *Circulating Now*, *Musings*, etc.
   - ☐ Other (Please Explain) Enter other possible communication channel(s)

4. Determine questions that may need to be addressed, including:
   - What information will be provided? The US EPA now produces several GIS products (https://www.epa.gov/geospatial/epa-geospatial-applications) that have the similar GIS functionality.
   - When will the information be provided? Starting Summer 2019)
   - With what frequency? Monthly
   - Are there potential areas for misunderstanding or concern? Probably not.
   - After informing stakeholders that the site will no longer be accessible, where can they find information once the site is retired? TRI and NPL data: US EPA; Canadian NPRI data from Environment and Climate Change Canada; Nuclear Regulatory Commission publishes the commercial nuclear power plant data; BEA data from the US Department of Commerce; TRI lat/long info from EPA's Facility Registry System (FRS).; coal plant data from EIA Electricity Data Browser; EPA Air Markets Program Data (AMPD) data available from the EPA Clean Air Markets; Cancer and Mortality data available from the US NIH NCI. Links to direct users to these external data sources will be provided on the TOXMAP home page for 6 months prior to the sunset.
   - How will NLM respond to questions and comments? Staff will respond to questions received through customer service emails
   - Is this an issue that may generate media interest? (If so, please include strategies for responding in the plan.) No

IV. **Posting notice on central NLM "sunsetting calendar" (coming soon) on the NLM Wiki.** A notice should be posted on the "NLM resource sunset calendar" immediately following the effective

date of the retirement of the resource. The sunset calendar, which will also be found on the NLM wiki, will serve as an historical record about retired NLM products and services.

V. **Identification of primary point of contact for further information about retired NLM resource.** Provide name and contact information for primary point of contact for retired NLM resource here:

Name	Colette Hochstein, Florence Chang

From: Fine, Amanda (NIH/OD) [E]
Sent: 12 Dec 2019 22:56:40 +0000
To: Tuncer, Diane (NIH/NIDDK) [E];Myles, Renate (NIH/OD) [E];Burklow, John (NIH/OD) [E]
Cc: Nurik, Jody (NIH/NLM) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: RE: Question re: media clearance

Thank you!

From: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Sent: Thursday, December 12, 2019 5:35 PM
To: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>; Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance

Thanks! Will do.

Congrats Amanda!

Diane

From: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Sent: Thursday, December 12, 2019 5:35 PM
To: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance

Hi Diane:

Your response looks good. Go ahead and send it up for clearance. Also, please be sure to include Amanda on any media questions. She's the newly appointed News Media Branch Chief.

Thanks,
Renate

Renate Myles, MBA
Deputy Director for Public Affairs
Office of Communications and Public Liaison
National Institutes of Health
Tel: 301-435-3638

NIH . . . *Turning Discovery Into Health*

From: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Sent: Thursday, December 12, 2019 5:31 PM
To: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>; Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Question re: media clearance

Hi John and Renate,

We received two email media inquiries (*Undark Magazine* and *Inside EPA*) this afternoon asking why the NLM is retiring its TOXMAP website. We are not entertaining interviews, but we would like to provide the reporters with language that aligns with other messages that NLM has shared in recent months about some of the changes that have been made as part of NLM's strategic plan and realignment efforts.

Below is the response that we would like to provide to these two reporters, but we wanted to check in to ask if this action would require going through the traditional media interview clearance process.

Thanks in advance for your guidance.

Diane

***
Dear XXX,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:

- U.S. EPA Toxics Release Program (TRI)
- U.S. EPA Superfund Program
- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

***

Diane Tuncer, MPH
Public Affairs Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Mobile: Personal Info
diane.tuncer@nih.gov

From: Tuncer, Diane (NIH/NIDDK) [E]
Sent: 12 Dec 2019 22:58:32 +0000
To: Crutchman, Alise (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: FW: Interview requests: Retirement of NLM's TOXMAP website

Hi Alise,

I am Personal Info but will be checking emails and available by phone at Personal Info.

If we get clearance tomorrow, do you mind responding to the two reporters below (with the language below) via the NLM Comms Box?

Thank you!

Diane

From: Tuncer, Diane (NIH/NIDDK) [E]
Sent: Thursday, December 12, 2019 5:48 PM
To: OCPLPressTeam <OCPLPressTeam@od.nih.gov>; ODOCPL Interviews (NIH/OD OCPL) <ODOCPLInterviews@mail.nih.gov>
Cc: NLM Communications <NLMCommunications@nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Interview requests: Retirement of NLM's TOXMAP website

One request for two different media outlets:

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / Personal Info

Reporter: David LaRoss
Organization: Inside EPA
Phone #(s): dlaross@iwpnews.com / Personal Info

Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: TBD
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD
Additional information: See language below for recommended response to reporters

Dear XXX,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

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- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

From: Robinson, Michael J (HHS/ASPA)
Sent: 12 Dec 2019 23:03:37 +0000
To: Akinso, Woleola (NIH/OD) [E];HHS/OS Interviews;Burden, Bernadette (CDC/OD/OADC);Hoskins, Sharon (K.D.) (CDC/OD/OADC);Bonds, Michelle E. (CDC/OD/OADC);Haynes, Benjamin (CDC/OD/OADC);Heldman, Amy B. (CDC/OD/OADC)
Cc: Burklow, John (NIH/OD) [E];Prince, Scott (NIH/OD) [E];OCPLPressTeam;ODOCPL Interviews (NIH/OD OCPL);NLM Communications;Nurik, Jody (NIH/NLM) [E];Crutchman, Alise (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: Re: Interview request: retirement of NLM's TOXMAP website

Ok

On: 12 December 2019 17:52, "Akinso, Woleola (NIH/OD) [E]" <akinsow@od.nih.gov> wrote:

One request for two different media outlets:

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / Personal Info

Reporter: David LaRoss
Organization: Inside EPA
Phone #(s): dlaross@iwpnews.com / Personal Info

Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: TBD
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD

Additional information: See language below for recommended response to reporters

Dear XXX,

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- U.S. EPA Superfund Program
- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications

- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

From: Tuncer, Diane (NIH/NIDDK) [E]
Sent: 12 Dec 2019 23:35:14 +0000
To: Scott, Nicole (NIH/NLM) [E]
Cc: Nurik, Jody (NIH/NLM) [E]
Subject: Personal Info - status of activities
Attachments: K Pruitt announcement 12.12.19 approved for posting to NLM Announcements page.docx, OfficeShot (2).png

Hi Nicole,

Personal Info. Feel free to call me if you need anything.

Status of key activities:

- TOXMAP media inquiries – cc:d you on the email to Alise. Initiated media clearance request and have language (approved by Jerry and Jody) that Alise can be sent to the reporters via the NLM Comms mailbox.

- Musings blog for next week – sent Patti a draft for her review. Will check emails – working with John and Andrew on the video.

- Kim Pruitt announcement – NLM all staff email went out today; requested (via JIRA) to post announcement and headshot to the NLM Announcements page. Will check in tomorrow re: status. I might not have access to JIRA for approvals so I might forward email to you just so you can give approval on my behalf. (I've attached the language and headshot that was submitted – for reference only).

Nothing else that I know of that should require any immediate attention while I'm out.

Thanks!
Diane

Diane Tuncer, MPH
Public Affairs Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Mobile: Personal Info
diane.tuncer@nih.gov

Dr. Kim Pruitt Announcement
For dissemination via NLM Announcements Page

Kim D. Pruitt, PhD, Appointed Chief, Information Engineering Branch, National Center for Biotechnology Information, National Library of Medicine

Kim Pruitt, PhD, has been named the Chief of the Information Engineering Branch (IEB) at the National Library of Medicine's (NLM's) National Center for Biotechnology Information (NCBI).

As head of IEB, Dr. Pruitt is responsible for NCBI's collection, creation, analysis, organization, curation, and dissemination of data and analysis tools in the areas of molecular biology and genetics, as well as for the collection and management of bibliographic information. Dr. Pruitt leads NCBI's more than 500 highly skilled scientific and technical staff in the design, development, and maintenance of databases, information systems, and software tools, as well as operational management of data submissions, quality checks, and data access.

"Dr. Pruitt is a superb example of a scientist who has used her data science background, knowledge of NLM's mission, and extensive management skills to develop innovative products to meet the needs of our stakeholders," said NLM Director, Patricia Flatley Brennan, RN, PhD.

Dr. Pruitt has been with NLM since 1998 and has taken on many roles and responsibilities during that time. In 2017, she became Acting Chief of IEB, where she established a Production Services Operating Board to communicate on the status and future directions of critical services, including PubMed, PubMed Central, PubChem, ClinicalTrial.gov, GenBank, RefSeq, BLAST, Pathogen Detection, ClinVar, and dbGaP. This effort led to notable changes to guide and inform product decisions and development priorities.

"Dr. Pruitt brings a determination, organization, and a drive to any project she engages with," said NCBI Director, James M. Ostell, PhD. "During her two years as acting chief, she has been an innovative and effective leader, implementing many new processes and programs that have enhanced IEB operations and services. Please join us in congratulating Dr. Pruitt in her new role."

# # #

From: Tuncer, Diane (NIH/NIDDK) [E]
Sent: 13 Dec 2019 13:27:48 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Crutchman, Alise (NIH/NLM) [E];Scott, Nicole (NIH/NLM) [E]
Subject: Re: Interview requests: Retirement of NLM's TOXMAP website

Ditto! Thanks, Alise!

Sent from my iPhone

On Dec 13, 2019, at 8:04 AM, Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov> wrote:

Thanks, Alise.

Jody

From: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Sent: Friday, December 13, 2019 7:45 AM
To: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: Interview requests: Retirement of NLM's TOXMAP website

Hi Diane,

Thanks for the information! We received clearance approval late last night. I will respond to the reporters with the templated response you drafted.

Enjoy your weekend!

Thank you,
Alise Crutchman

From: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Sent: Thursday, December 12, 2019 5:59 PM
To: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Cc: Scott, Nicole (NIH/NLM) [E] <nicole.scott@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: FW: Interview requests: Retirement of NLM's TOXMAP website

Hi Alise,

Personal Info but will be checking emails and available by phone at Personal Info

If we get clearance tomorrow, do you mind responding to the two reporters below (with the language below) via the NLM Comms Box?

Thank you!

Diane

From: Tuncer, Diane (NIH/NIDDK) [E]
Sent: Thursday, December 12, 2019 5:48 PM
To: OCPLPressTeam <OCPLPressTeam@od.nih.gov>; ODOCPL Interviews (NIH/OD OCPL) <ODOCPLInterviews@mail.nih.gov>
Cc: NLM Communications <NLMCommunications@nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Interview requests: Retirement of NLM's TOXMAP website

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Organization: Inside EPA
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Additional information: See language below for recommended response to reporters

Dear XXX,

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- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)

- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

From: Goodwin, Rebecca (NIH/NLM) [E]
Sent: 13 Dec 2019 16:14:19 +0000
To: Babski, Dianne (NIH/NLM) [E]
Cc: Paltoo, Dina (NIH/NLM) [E]
Subject: RE: NLM TOXMAP Retirement

Good morning, Dianne,

Will the info from ToxMap continue to be available/accessible via search from any NLM website after ToxMap retires? Or will it only be available by going directly to the other USG sites listed on the web page?

> **The TOXMAP website will be retired in December 2019.**
> Selected TOXMAP data can be accessed from the following sites:
> - U.S. EPA Toxics Release Program (TRI)
> - U.S. EPA Superfund Program
> - U.S. EPA Facilities Registry System (FRS)
> - U.S. EPA Clean Air Markets Program
> - U.S. EPA Geospatial Applications
> - U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
> - Government of Canada National Pollutant Release Inventory (NPRI)
> - U.S. Census Bureau
> - U.S. Nuclear Regulatory Commission (NRC)

The NIH Office of Legislative Policy and Analysis (OLPA) received a question from the Hill about ToxMap, and they want to know

- **why the website will be retired and**
- **if there are any plans to continue this service in a similar way after its retirement**.

Best regards,
Rebecca

_------_____------_____
Rebecca Goodwin, JD
Executive Secretary, NIH Clinical Common Data Elements Task Force

Policy Analyst
NLM Technology Development Coordinator & Co-Chair, NLM Copyright Group
Data Science and Open Science Specialist
Office of Strategic Initiatives
U.S. National Library of Medicine
National Institutes of Health
301.827.4350
Rebecca.Goodwin@nih.gov

From: Everett, Chris (NIH/OD) [E] <chris.everett@nih.gov>
Sent: Friday, December 13, 2019 10:55 AM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E]

<laura.berkson@nih.gov>
Subject: NLM TOXMAP Retirement

Hi Dina,

We've received a question from the Hill about NLM's TOXMAP website and the fact that it says it will be retired this month. I was wondering if you know why the website will be retired and if there are any plans to continue this service in a similar way after its retirement.

Best,
Chris

Christopher Everett, J.D.
Office of Legislative Policy & Analysis
National Institutes of Health
P: (301) 443-2202

From: Crutchman, Alise (NIH/NLM) [E]
Sent: 13 Dec 2019 20:12:39 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Tuncer, Diane (NIH/NIDDK) [E]
Subject: RE: question from a reporter re: ToxMap

Thanks, Jody!

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Friday, December 13, 2019 2:50 PM
To: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Thanks, Alise. Think it will be helpful before we meet that you reach out to David Gillikin (sp.) and Jean Hirshshorn (sp.) to get some feedback on the below. They are who Stacey Arneseen recommended contacting. For the questions that are inappropriate we can reach out to Amanda Fine in NIH OCPL for guidance.

Please ask Terri/Pam to put time on the calendar for us to meet. I believe Diane will be leaving at some point Monday morning to go over to Rockledge.

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Dec 13, 2019, at 2:29 PM, Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov> wrote:

> Hi Jody,
>
> We provided the reporter from Undark with the standard response that was approved by NIH OD. Unfortunately the reporter is coming back with more questions but insisting he is not requesting an interview.
>
> His follow up response contains some content that we feel would be inappropriate to answer. Also, because he IS writing a story, any response we provide would fuel his story, therefore, we would need another clearance.
> Thanks so much for this quick and helpful reply. Just a few follow-up questions:
>
> - I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?

- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns?
- How much did it cost to run ToxMap?
- How many people used ToxMap? Is there user data for the website that you can share?
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears?

We would like to meet with you on Monday to discuss.

Have a great weekend!

Thank you,
Alise Crutchman

From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 12:15 PM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi, NLM Communications,

Thanks so much for this note. I wasn't trying to schedule an interview, but I was hoping to get answers to these questions. Will that be possible? Happy to share more information or clarify anything, if that would be helpful.

Many thanks,

Michael

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From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 10:04 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Re: question from a reporter re: ToxMap

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All the best,

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Sent: 13 Dec 2019 20:31:14 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E]
Subject: FW: Press Follow Up- ToxMap
Importance: High

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Thank you for your assistance!

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Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
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Direct: (301) 827-6493 Mobile: Personal Info
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From: Gillikin, David (NIH/NLM) [E]
Sent: 13 Dec 2019 21:25:47 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Subject: some toxmap info

Based on the Download TOXMAP Data web page, https://toxmap.nlm.nih.gov/toxmap/download.html, the data in ToxMap is not up to data. Several of the data sources cover the data range of 1988-2016. There were some additions in 2017. The Superfund data appears to be 5 or so years old based on looking at the actual data.

We have these downloadable files saved to a sharepoint site at this point.

David

From: Linda Birnbaum
Sent: 13 Dec 2019 21:55:04 +0000
To: Brennan, Patti (NIH/NLM) [E]
Subject: FW: question from UCS - TOXNET shutdown

Patti,

I know we had talked about some of these moves and you had assured me that these efforts would be maintained – just differently.

Can you let me know what's going on and how I can respond to questions?

Hope you are good. I have to say I wear my NIH sweatshirt all the time – and get comments!

Is there anything being planned for Martha?

Happy Holidays,

Linda

From: Michael Halpern <MHalpern@ucsusa.org>
Sent: Friday, December 13, 2019 11:45 AM
To: birnbaum.tox@outlook.com
Subject: question from UCS - TOXNET shutdown

Hi Linda,

It was great to run into you at the congressional hearing a few weeks ago. I would love your perspective on what's happening here:
https://www.nlm.nih.gov/toxnet/index.html
https://envirodatagov.org/goodbye-to-toxmap-and-our-environmental-right-to-know/

Do you have a moment to talk today? Easiest way to reach me is Personal Info

Best
Michael

Michael Halpern
Deputy Director
Center for Science and Democracy
Union of Concerned Scientists
1825 K ST NW, Suite 800 | Washington DC 20011
P: 202.331.5452 | M: Personal Info
pronouns: he / him / his

50 YEARS of SCIENCE and ACTION

www.ucsusa.org | Join our action network or expert network | Support our work.

Follow my blog or find me on twitter at @halpsci or follow UCS on Facebook, Twitter, and LinkedIn.

Sent: 13 Dec 2019 22:36:55 +0000
To: Gillikin, David (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E];Goodwin, Rebecca (NIH/NLM) [E];Paltoo, Dina (NIH/NLM) [E]
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Greetings,
We also have a similar question from OLPA, so am copying Jerry, Dina and Rebecca.

Not sure which questions "are inappropriate so we will follow up with NIH OCPL for guidance. "

Here are a few answers. Some will take longer.
1 – NLM leadership made the decision this summer.
2 – no response now
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Sent: 13 Dec 2019 22:48:05 +0000
To: Babski, Dianne (NIH/NLM) [E];Goodwin, Rebecca (NIH/NLM) [E];Paltoo, Dina (NIH/NLM) [E]
Cc: Backus, Joyce (NIH/NLM) [E];NLM Communications
Subject: RE: NLM TOXMAP RetirementFrom Subject Received

Thanks for looping me in. Our general response below is fine w/ me. Please let me know if we have other interest from the Hill.

Jerry

From: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Sent: Friday, December 13, 2019 5:39 PM
To: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: RE: NLM TOXMAP RetirementFrom Subject Received

Rebecca, Dina,

Before you respond to this, note that we received another inquiry from a journalist writing for Undark Magazine (see attached email thread). I think it's important to ensure we are using the same language for requests. This is the original response that OCPL (with jerry) sent which would suffice for the OLPA email.
-Dianne

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Cc: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
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Good morning, Dianne,

Will the info from ToxMap continue to be available/accessible via search from any NLM website after ToxMap retires? Or will it only be available by going directly to the other USG sites listed on the web page?

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The NIH Office of Legislative Policy and Analysis (OLPA) received a question from the Hill about ToxMap, and they want to know

- **why the website will be retired and**
- **if there are any plans to continue this service in a similar way after its retirement**.

Best regards,
Rebecca

_------_____-----_____
Rebecca Goodwin, JD
Executive Secretary, NIH Clinical Common Data Elements Task Force

Policy Analyst
NLM Technology Development Coordinator & Co-Chair, NLM Copyright Group
Data Science and Open Science Specialist
Office of Strategic Initiatives
U.S. National Library of Medicine
National Institutes of Health
301.827.4350
Rebecca.Goodwin@nih.gov

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Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E]

<laura.berkson@nih.gov>
Subject: NLM TOXMAP Retirement

Hi Dina,

We've received a question from the Hill about NLM's TOXMAP website and the fact that it says it will be retired this month. I was wondering if you know why the website will be retired and if there are any plans to continue this service in a similar way after its retirement.

Best,
Chris

Christopher Everett, J.D.
Office of Legislative Policy & Analysis
National Institutes of Health
P: (301) 443-2202

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5 – DRAFT – NLM strives to provide biomedical information and data to the public through our resources, including PubMed, ClinicalTrials.gov, MedlinePlus, Genbank and others. Retiring ToxMap isn't intended to limit access to information in any way since it is available elsewhere, but rather to decrease the duplication of government effort.

Joyce

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Sent: Friday, December 13, 2019 3:25 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>

Subject: Press Follow Up- ToxMap
Importance: High

Good afternoon,

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Thank you for your assistance!

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Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 Mobile: Personal Info
Alise.Crutchman@nih.gov

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Sent: Friday, December 13, 2019 12:15 PM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
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Sent: 13 Dec 2019 23:18:28 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Backus, Joyce (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E];Goodwin, Rebecca (NIH/NLM) [E]
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Sent: 13 Dec 2019 23:28:13 +0000
To: Brennan, Patti (NIH/NLM) [E]
Cc: Paltoo, Dina (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E];Goodwin, Rebecca (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E]
Subject: FW: NLM TOXMAP RetirementFrom Subject Received

Below is a generic response re: ToxMap that we've modified in different ways for different respondents. Farther below is the sunsetting information we sent to Larry back in April. I don't have an exact date, but the sunset plan was announced around June, when we were closing SIS.

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission. The decision to retire ToxMap took into consideration the increasing availability of the underlying data and visualization tools from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.
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Sunsetting

2. TOXMAP – Proposed sunset date: October 1, 2019

Original purpose: TOXMAP helps users visually explore toxicology data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canada's National Pollutant Release Inventory data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plant data. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program.

Why no longer needed: The US Environmental Protection Agency now produces several GIS products and visualization applications that have similar data and GIS functionality. Use of unique TOXMAP features (e.g., the ability to search TOXNET from within the GIS tools) has declined to a level too low to justify continued NLM investment in technological upgrades necessary.

Critical issues: Data used in TOXMAP will be available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. NLM will inform EPA and NIEHS of the proposed sunset, in addition to TOXMAP users.

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 13 Dec 2019 23:28:24 +0000
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Subject: RE: Press Follow Up- ToxMap

Dina,
You should submit the response to OLPA. I'm about to send Patti some information, too, and will copy you. I included some additional info that doesn't need to be communicated to OPLA but that you may want for your own background.

Please channel any other press or user inquiries to OCPL and put me in copy (for awareness)

Thanks
Jerry

From: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Sent: Friday, December 13, 2019 6:18 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
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> **Subject:** Re: question from a reporter re: ToxMap
>
> Hi, NLM Communications,
>
> Thanks so much for this quick and helpful reply. Just a few follow-up questions:
>
> - I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?
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>
> Thanks again for your help on this. I'm happy to hop on the phone, if that would be easier: Personal Info

All the best,

Michael

On Fri, Dec 13, 2019 at 8:35 AM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

> Good morning Michael,
>
> As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.
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> Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.
>
> Sincerely,
>
> The NLM Communications Team

From: Michael Schulson <michael@undark.org>
Sent: Thursday, December 12, 2019 11:38 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: question from a reporter re: ToxMap

Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

I'm at Personal Info

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Michael

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Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

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Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

From: Babski, Dianne (NIH/NLM) [E]
Sent: 13 Dec 2019 22:38:57 +0000
To: Goodwin, Rebecca (NIH/NLM) [E];Paltoo, Dina (NIH/NLM) [E]
Cc: Sheehan, Jerry (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];NLM Communications
Subject: RE: NLM TOXMAP RetirementFrom Subject Received
Attachments: FW: Press Follow Up- ToxMap

Rebecca, Dina,

Before you respond to this, note that we received another inquiry from a journalist writing for Undark Magazine (see attached email thread). I think it's important to ensure we are using the same language for requests. This is the original response that OCPL (with jerry) sent which would suffice for the OLPA email.
-Dianne

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Sent: Friday, December 13, 2019 11:14 AM
To: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Cc: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Subject: RE: NLM TOXMAP RetirementFrom Subject Received

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The NIH Office of Legislative Policy and Analysis (OLPA) received a question from the Hill about ToxMap, and they want to know

- **why the website will be retired and**
- **if there are any plans to continue this service in a similar way after its retirement**.

Best regards,
Rebecca

_------_____-----_____

Rebecca Goodwin, JD
Executive Secretary, NIH Clinical Common Data Elements Task Force

Policy Analyst
NLM Technology Development Coordinator & Co-Chair, NLM Copyright Group
Data Science and Open Science Specialist
Office of Strategic Initiatives
U.S. National Library of Medicine
National Institutes of Health
301.827.4350
Rebecca.Goodwin@nih.gov

From: Everett, Chris (NIH/OD) [E] <chris.everett@nih.gov>
Sent: Friday, December 13, 2019 10:55 AM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E] <laura.berkson@nih.gov>
Subject: NLM TOXMAP Retirement

Hi Dina,

We've received a question from the Hill about NLM's TOXMAP website and the fact that it says it will be retired this month. I was wondering if you know why the website will be retired and if there are any plans to continue this service in a similar way after its retirement.

Best,
Chris

Christopher Everett, J.D.
Office of Legislative Policy & Analysis

National Institutes of Health
P: (301) 443-2202

From: Gillikin, David (NIH/NLM) [E]
Sent: 13 Dec 2019 20:31:14 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E]
Subject: FW: Press Follow Up- ToxMap
Importance: High

Joyce, Dianne
We just got this request. I don't know who would have the background information on ToxMap costs and usage, but it's not something I have any access to.
I don't know who could really answer these questions.
David

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Sent: Friday, December 13, 2019 3:25 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Press Follow Up- ToxMap
Importance: High

Good afternoon,
Our office recently received a press inquiry regarding the sunset of ToxMap. We worked to develop a templated response to provide to stakeholders (see below), which we have provided to this particular reporter. We have declined interviews and wished him well. He has followed up with a list of questions. We are hoping you could assist with providing feedback. We are aware that some of the questions are inappropriate so we will follow up with NIH OCPL for guidance.
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Thank you for your assistance!
Thank you,
Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 Mobile: Personal Info
Alise.Crutchman@nih.gov
From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 12:15 PM
To: NLM Communications <NLMCommunications@nlm.nih.gov>

Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
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Many thanks,
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> Thank you and best of luck,
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> **From:** Michael Schulson <michael@undark.org>
> **Sent:** Friday, December 13, 2019 10:04 AM
> **To:** NLM Communications <NLMCommunications@nlm.nih.gov>
> **Cc:** Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
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Sincerely,
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Thanks,
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Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

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Contributing Editor, Undark Magazine: undark.org/who-is-undark

Personal Info

Sent: 13 Dec 2019 23:21:27 +0000
To: Brennan, Patti (NIH/NLM) [E]
Subject: FW: NLM TOXMAP RetirementFrom Subject Received
Attachments: FW: Press Follow Up- ToxMap

Below is a generic response re: ToxMap that we've modified in different ways for different respondents.

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission. The decision to retire ToxMap took into consideration the increasing availability of the underlying data and visualization tools from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.
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Sent: Friday, December 13, 2019 11:14 AM
To: Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Cc: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
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Executive Secretary, NIH Clinical Common Data Elements Task Force

Policy Analyst
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Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E] <laura.berkson@nih.gov>
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Contributing Editor, Undark Magazine: undark.org/who-is-undark
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Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark

Personal Info

From: Paltoo, Dina (NIH/NLM) [E]
Sent: 16 Dec 2019 01:52:45 +0000
To: Sheehan, Jerry (NIH/NLM) [E]
Cc: Backus, Joyce (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E];Goodwin, Rebecca (NIH/NLM) [E]
Subject: Re: Press Follow Up- ToxMap

Yes, I'll send to OLPA in the morning.

A staffer reached out to OLPA regarding this. I will keep everyone in the loop, if we receive any further questions from OLPA.

Thanks.

Dina N. Paltoo, Ph.D., M.P.H.
Sent from my iPhone - please excuse any spelling or grammatical errors

On Dec 13, 2019, at 6:28 PM, Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov> wrote:

> Dina,
> You should submit the response to OLPA. I'm about to send Patti some information, too, and will copy you. I included some additional info that doesn't need to be communicated to OPLA but that you may want for your own background.
>
> Please channel any other press or user inquiries to OCPL and put me in copy (for awareness)
>
> Thanks
> Jerry
>
> **From:** Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
> **Sent:** Friday, December 13, 2019 6:18 PM
> **To:** Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
> **Cc:** Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
> **Subject:** Re: Press Follow Up- ToxMap
>
> Interesting that OLPA (and a reporter) reached out to several of us, but I'm glad we are all on the same wavelength with a response.

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> **Sent:** Friday, December 13, 2019 5:50 PM
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> **Cc:** Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
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Thank you for your assistance!

Thank you,

Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 Mobile: Personal Info
Alise.Crutchman@nih.gov

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Thank you and best of luck,
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Sent: Friday, December 13, 2019 10:04 AM
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Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

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Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

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Thanks,

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From: Nurik, Jody (NIH/NLM) [E]
Sent: 16 Dec 2019 13:00:39 +0000
To: Crutchman, Alise (NIH/NLM) [E]
Cc: Tuncer, Diane (NIH/NIDDK) [E];Scott, Nicole (NIH/NLM) [E]
Subject: FW: Press Follow Up- ToxMap

Hi Alise,

Thanks for much for your efforts on this and getting the information out to LO. Much appreciated!

Jody

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Subject: RE: Press Follow Up- ToxMap

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From: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
Sent: Friday, December 13, 2019 5:50 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Subject: RE: Press Follow Up- ToxMap

Greetings,
We also have a similar question from OLPA, so am copying Jerry, Dina and Rebecca.

Not sure which questions "are inappropriate so we will follow up with NIH OCPL for guidance. "

Here are a few answers.
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5 – DRAFT – NLM strives to provide biomedical information and data to the public through our resources, including PubMed, ClinicalTrials.gov, MedlinePlus, Genbank and others. Retiring ToxMap isn't intended to limit access to information in any way since it is available elsewhere, but rather to decrease the duplication of government effort.

Joyce

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Friday, December 13, 2019 3:31 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>

Subject: FW: Press Follow Up- ToxMap
Importance: High

Joyce, Dianne
We just got this request. I don't know who would have the background information on ToxMap costs and usage, but it's not something I have any access to.
I don't know who could really answer these questions.

Not sure which questions

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Sent: Friday, December 13, 2019 3:25 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Press Follow Up- ToxMap
Importance: High

Good afternoon,

Our office recently received a press inquiry regarding the sunset of ToxMap. We worked to develop a templated response to provide to stakeholders (see below), which we have provided to this particular reporter. We have declined interviews and wished him well. He has followed up with a list of questions. We are hoping you could assist with providing feedback. We are aware that some of the questions are inappropriate so we will follow up with NIH OCPL for guidance.
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- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears?

Thank you for your assistance!

Thank you,

Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 Mobile: Personal Info
Alise.Crutchman@nih.gov

From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 12:15 PM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi, NLM Communications,

Thanks so much for this note. I wasn't trying to schedule an interview, but I was hoping to get answers to these questions. Will that be possible? Happy to share more information or clarify anything, if that would be helpful.

Many thanks,

Michael

On Fri, Dec 13, 2019 at 12:09 PM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

> Hi Michael,
>
> Unfortunately at this time, we are not scheduling interviews regarding the sunsetting of ToxMap. We hope that the alternative resources provided below will be useful for your future needs.

Thank you and best of luck,
NLM Communications

From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 10:04 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi, NLM Communications,

Thanks so much for this quick and helpful reply. Just a few follow-up questions:

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?
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Thanks again for your help on this. I'm happy to hop on the phone, if that would be easier: Personal Info

All the best,

Michael

On Fri, Dec 13, 2019 at 8:35 AM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

> Good morning Michael,
>
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- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Communications Team

From: Michael Schulson <michael@undark.org>
Sent: Thursday, December 12, 2019 11:38 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: question from a reporter re: ToxMap

Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

I'm at Personal Info

Thanks,

Michael

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

--
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Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

From: Gillikin, David (NIH/NLM) [E]
Sent: 16 Dec 2019 14:35:09 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Paltoo, Dina (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E];Goodwin, Rebecca (NIH/NLM) [E]
Subject: Re: Press Follow Up- ToxMap

Jody
Will do.
Thanks
David

Sent from my iPhone

On Dec 16, 2019, at 9:21 AM, Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov> wrote:

> Hi David,
>
> Recommend sending to the NLM Communications inbox – NLMcommunications@nlm.nih.gov.
>
> Thanks,
> Jody
>
> ---
>
> **From:** Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
> **Sent:** Monday, December 16, 2019 8:36 AM
> **To:** Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
> **Cc:** Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
> **Subject:** RE: Press Follow Up- ToxMap
>
> BSD may get other report requests as we retire the TOXNET system. Who would be the best person to send request to?
> Thanks
> David
>
> ---
>
> **From:** Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
> **Sent:** Monday, December 16, 2019 6:55 AM
> **To:** Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
> **Cc:** Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Backus, Joyce

(NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
Subject: Re: Press Follow Up- ToxMap

Good morning, Dina:

Let's connect this morning - we received HHS clearance for the reporter's initial inquiry.

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Dec 15, 2019, at 8:52 PM, Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov> wrote:

> Yes, I'll send to OLPA in the morning.
>
> A staffer reached out to OLPA regarding this. I will keep everyone in the loop, if we receive any further questions from OLPA.
>
> Thanks.
>
> Dina N. Paltoo, Ph.D., M.P.H.
> Sent from my iPhone - please excuse any spelling or grammatical errors
>
> On Dec 13, 2019, at 6:28 PM, Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov> wrote:
>
> > Dina,
> > You should submit the response to OLPA. I'm about to send Patti some information, too, and will copy you. I included some additional info that doesn't need to be communicated to OPLA but that you may want for your own background.
> >
> > Please channel any other press or user inquiries to OCPL and put me in copy (for awareness)
> >
> > Thanks
> > Jerry

From: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Sent: Friday, December 13, 2019 6:18 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Cc: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
Subject: Re: Press Follow Up- ToxMap

Interesting that OLPA (and a reporter) reached out to several of us, but I'm glad we are all on the same wavelength with a response.

Please let me me know if you prefer that I submit the response to OLPA, or if someone should.

Thanks.

Dina N. Paltoo, Ph.D., M.P.H.
Sent from my iPhone - please excuse any spelling or grammatical errors

On Dec 13, 2019, at 5:52 PM, Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov> wrote:

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To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: FW: Press Follow Up- ToxMap
Importance: High

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Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 Mobile: Personal Info
Alise.Crutchman@nih.gov

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> **Sent:** Friday, December 13, 2019 10:04 AM
> **To:** NLM Communications <NLMCommunications@nlm.nih.gov>
> **Cc:** Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
> **Subject:** Re: question from a reporter re: ToxMap
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Thanks again for your help on this. I'm happy to hop on the phone, if that would be easier: Personal Info.

All the best,

Michael

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Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Communications Team

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Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

I'm at Personal Info

Thanks,

Michael

--
Michael Schulson
Contributing Editor, Undark Magazine:
undark.org/who-is-undark
Personal Info

--
Michael Schulson
Contributing Editor, Undark Magazine:
undark.org/who-is-undark
Personal Info

--
Michael Schulson
Contributing Editor, Undark Magazine:
undark.org/who-is-undark
Personal Info

From: Brennan, Patti (NIH/NLM) [E]
Sent: 16 Dec 2019 11:19:40 -0500
To: Tabak, Lawrence (NIH/OD) [E];Collins, Francis (NIH/OD) [E]
Subject: Toxmap

HI Larry and Francis

Thanks for a very productive meeting this morning.

Below please find the public response about Toxmap as well as our original sunset plan for this resource.

This has been shared with Renate.

Here is a link to the report from 12/12 that we think may have sparked interest in Toxmap.

Please let me know if you would like additional information.

Best,
Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>

Below is a generic response re: ToxMap that we've modified in different ways for different respondents. Farther below is the sunsetting information we sent to Larry back in April. I don't have an exact date, but the sunset plan was announced around June, when we were closing SIS.

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission. The decision to retire ToxMap took into consideration the increasing availability of the underlying data and visualization tools from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.
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- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Sunsetting

2. TOXMAP – Proposed sunset date: October 1, 2019

Original purpose: TOXMAP helps users visually explore toxicology data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canada's National Pollutant Release Inventory data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plant data. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program.

Why no longer needed: The US Environmental Protection Agency now produces several GIS products and visualization applications that have similar data and GIS functionality. Use of unique TOXMAP features (e.g., the ability to search TOXNET from within the GIS tools) has declined to a level too low to justify continued NLM investment in technological upgrades necessary.

Critical issues: Data used in TOXMAP will be available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. NLM will inform EPA and NIEHS of the proposed sunset, in addition to TOXMAP users.

From: Gillikin, David (NIH/NLM) [E]
Sent: 16 Dec 2019 17:53:40 +0000
To: Backus, Joyce (NIH/NLM) [E];Babski, Dianne (NIH/NLM) [E]
Cc: Goshorn, Jeanne (NIH/NLM) [E]
Subject: Discussion items for LO BSD meeting, 12/16/19, 3:00
Attachments: HSDB cost update 2019_12_16.docx

Here are the discussion items for our 3:00 meeting.
And attached is an update on the HSDB contracts, to be discussed.

David

1. HSDB Contract discussion – handout/attachment

2. TOXNET retirement
   - Underway
   - Reminded Sunset Team about sending requests from reports to OCPL via NLMCommunications@nlm.nih.gov

3. BSD Supervisors
   - Will set up meeting with BSD Supervisors to meet with ADLO about renovation and moving issues.
   - IS supervisors are concerned about working conditions, health and air quality
   - MMS supervisors are getting questions like: is the move permanent and where will MMS go after the renovations. They are having difficulty providing positive messages when they feel they don't have information about the future.

4. OCCS Outcomes session
   - go a lot of information. It shows how OCCS and LO staff will need to work more as teams as we move into product owner roles.
   - A couple of items affect all areas, so will send notes to Div Chiefs

5. Space planning – met with D'Neen on Friday 12/13. Going to see the space on Thursday 12/19.

6. Holiday staffing for BSD: Will send this as a separate email. Coverage for BSD OC moves around lot for most supervisors are taking leave at different times.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
22-Dec	12/23/2019 **Jules** **Jeanne**	12/24/2019 **Sara**	12/25/2019 HOLIDAY	12/26/2019 **Olga**	12/27/2019 **Rex**	28-Dec

29-Dec	12/30/2019 **Deborah**	12/31/2019 **Sara**	1/1/2019 HOLIDAY	1/2/2019 **Jeanne**	1/3/2019 **David**	4-Jan

HSDB Current Contracts - From HSDB Analysis and Recommendation Document

HSDB has 2 production contracts that are referred to as the HSDB primary contract and the HSDB secondary contract. New contracts for both of these efforts were awarded in September 2019. FY2019 funds were used to fund the awards but could not fund the full amount of either contract. FY2020 funds will be needed.

Contract Information	HSDB Primary Contract	HSDB Secondary Contract
Contract Vendor	Technical Resources International , Inc. (TRI)	SRC, Inc.
Contracted awarded	9/13/2019	9/12/2019
Base year POP	9/13/2019 – 9/12/2020	9/12/2019-9/11/2020
Annual cost	$1,020,000	$400,000
Amount awarded, FY19 funds	$560,000	$200,000
Amount needed from FY20, not awarded yet	$460,000	$200,000

Status as of December 16, 2019

- Partial stop work order issued to both contractors on 11/19/2019
- Contractors were asked to provide cost estimate for several special projects.
- Initial cost estimates provided by Contracts Office to BSD on December 11. The estimates were for all projects in Task 7, not per project. We asked for a breakdown in order to know what we can afford.
- We have also asked for the final costs for all work up to the partial stop work order being issued, and any costs incurred because of the partial stop work order. We have not received all of this information yet but have gotten an estimate.
- TRI: estimated that $417.5K is the reminder of funds available from the $560,000 obligated. Their cost estimate for all of Task is $417K roughly.
- SRC: overall task 7 estimate is $197,838. They have not provided a cost estimate on what has been spent.
- The timeframe for these projects is meant to be by March 2020, but at least one contract firm is saying it would need to go through June.
- This probably won't be settled until early January. Bert is on leave for 2.5 weeks starting 12/23.

From: NLM Communications
Sent: 16 Dec 2019 18:57:21 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Crutchman, Alise (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: FW: question from a reporter re: ToxMap

Hi Jody,

We received another follow up from the Undark reporter.

Thank you,
Alise

From: Michael Schulson <michael@undark.org>
Sent: Monday, December 16, 2019 1:09 PM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi, NLM,

Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained?

Thanks,

Michael

On Fri, Dec 13, 2019 at 12:15 PM Michael Schulson <michael@undark.org> wrote:

> Hi, NLM Communications,
>
> Thanks so much for this note. I wasn't trying to schedule an interview, but I was hoping to get answers to these questions. Will that be possible? Happy to share more information or clarify anything, if that would be helpful.
>
> Many thanks,
>
> Michael
>
> On Fri, Dec 13, 2019 at 12:09 PM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:
>
>> Hi Michael,

Unfortunately at this time, we are not scheduling interviews regarding the sunsetting of ToxMap. We hope that the alternative resources provided below will be useful for your future needs.

Thank you and best of luck,
NLM Communications

From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 10:04 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi, NLM Communications,

Thanks so much for this quick and helpful reply. Just a few follow-up questions:

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns?
- How much did it cost to run ToxMap?
- How many people used ToxMap? Is there user data for the website that you can share?
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears?

Thanks again for your help on this. I'm happy to hop on the phone, if that would be easier: Personal Info

Personal Info

All the best,

Michael

On Fri, Dec 13, 2019 at 8:35 AM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

> Good morning Michael,
>
> As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.
>
> While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:
>
> - U.S. EPA Toxics Release Program (TRI)

- U.S. EPA Superfund Program
- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Communications Team

From: Michael Schulson <michael@undark.org>
Sent: Thursday, December 12, 2019 11:38 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: question from a reporter re: ToxMap

Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

I'm at Personal Info

Thanks,

Michael

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

--
Michael Schulson

Contributing Editor, Undark Magazine: undark.org/who-is-undark
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Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

From: Paltoo, Dina (NIH/NLM) [E]
Sent: 16 Dec 2019 14:02:49 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: RE: Press Follow Up- ToxMap
Attachments: NLM TOXMAP Retirement

Hi Jody,

Sure. I have not responded to OLPA yet. The email I received is attached.

Thanks.

D.

Dina N. Paltoo, Ph.D., M.P.H.
Assistant Director for Policy Development
Office of the Director, U.S. National Library of Medicine, National Institutes of Health
Office: 301.827.4377 | Mobile: Personal Info FAX: 301.496.4450
Email: dina.paltoo@nih.gov

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, December 16, 2019 6:55 AM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Cc: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
Subject: Re: Press Follow Up- ToxMap

Good morning, Dina:

Let's connect this morning - we received HHS clearance for the reporter's initial inquiry.

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Dec 15, 2019, at 8:52 PM, Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov> wrote:

> Yes, I'll send to OLPA in the morning.

A staffer reached out to OLPA regarding this. I will keep everyone in the loop, if we receive any further questions from OLPA.

Thanks.

Dina N. Paltoo, Ph.D., M.P.H.
Sent from my iPhone - please excuse any spelling or grammatical errors

On Dec 13, 2019, at 6:28 PM, Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov> wrote:

> Dina,
> You should submit the response to OLPA. I'm about to send Patti some information, too, and will copy you. I included some additional info that doesn't need to be communicated to OPLA but that you may want for your own background.
>
> Please channel any other press or user inquiries to OCPL and put me in copy (for awareness)
>
> Thanks
> Jerry
>
> ---
> **From:** Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
> **Sent:** Friday, December 13, 2019 6:18 PM
> **To:** Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
> **Cc:** Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>
> **Subject:** Re: Press Follow Up- ToxMap
>
> Interesting that OLPA (and a reporter) reached out to several of us, but I'm glad we are all on the same wavelength with a response.
>
> Please let me me know if you prefer that I submit the response to OLPA, or if someone should.
>
> Thanks.
>
> Dina N. Paltoo, Ph.D., M.P.H.
> Sent from my iPhone - please excuse any spelling or grammatical errors

On Dec 13, 2019, at 5:52 PM, Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov> wrote:

> I would add to the response to the final question that NLM is committed to ensuring that data are not lost as it examines and reconfigures its toxicology resources. In the case of ToxMap, the data remain available from their original sources, primarily the EPA.
>
> ---
>
> **From:** Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>
> **Sent:** Friday, December 13, 2019 5:50 PM
> **To:** Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
> **Cc:** Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
> **Subject:** RE: Press Follow Up- ToxMap
>
> Greetings,
> We also have a similar question from OLPA, so am copying Jerry, Dina and Rebecca.
>
> Not sure which questions "are inappropriate so we will follow up with NIH OCPL for guidance. "
>
> Here are a few answers.
> 1 – NLM leadership made the decision this summer.
> 2 – no response now
> 3 – based on the 2018 NPA estimates, ToxMap cost NLM approximately $250K
> 4 – I don't have use data now. We could get some if this is an "appropriate question."
> 5 – DRAFT – NLM strives to provide biomedical information and data to the public through our resources, including PubMed, ClinicalTrials.gov, MedlinePlus, Genbank and others. Retiring ToxMap isn't intended to limit access to information in any way since it is available elsewhere, but rather to decrease the duplication of government effort.
>
> Joyce

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Friday, December 13, 2019 3:31 PM
To: Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Babski, Dianne (NIH/NLM) [E] <babskid@mail.nlm.nih.gov>
Cc: Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Subject: FW: Press Follow Up- ToxMap
Importance: High

Joyce, Dianne
We just got this request. I don't know who would have the background information on ToxMap costs and usage, but it's not something I have any access to.
I don't know who could really answer these questions.

Not sure which questions

From: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Sent: Friday, December 13, 2019 3:25 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: Press Follow Up- ToxMap
Importance: High

Good afternoon,

Our office recently received a press inquiry regarding the sunset of ToxMap. We worked to develop a templated response to provide to stakeholders (see below), which we have provided to this particular reporter. We have declined interviews and wished him well. He has followed up with a list of questions. We are hoping you could assist with providing feedback. We are aware that some of the questions are inappropriate so we will follow up with NIH OCPL for guidance.
Thanks so much for this quick and helpful reply. Just a few follow-up questions:

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some

of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns?
- How much did it cost to run ToxMap?
- How many people used ToxMap? Is there user data for the website that you can share?
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears?

Thank you for your assistance!

Thank you,

Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 Mobile: Personal Info
Alise.Crutchman@nih.gov

From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 12:15 PM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi, NLM Communications,

Thanks so much for this note. I wasn't trying to schedule an interview, but I was hoping to get answers to these questions. Will that be possible? Happy to share more information or clarify anything, if that would be helpful.

Many thanks,

Michael

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> Hi Michael,

Unfortunately at this time, we are not scheduling interviews regarding the sunsetting of ToxMap. We hope that the alternative resources provided below will be useful for your future needs.

Thank you and best of luck,
NLM Communications

From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 10:04 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
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Thanks again for your help on this. I'm happy to hop on the phone, if that would be easier: Personal Info

All the best,

Michael

On Fri, Dec 13, 2019 at 8:35 AM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

> Good morning Michael,
>
> As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.
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> - U.S. EPA Facilities Registry System (FRS)
> - U.S. EPA Clean Air Markets Program
> - U.S. EPA Geospatial Applications
> - U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
> - Government of Canada National Pollutant Release Inventory (NPRI)
> - U.S. Census Bureau
> - U.S. Nuclear Regulatory Commission (NRC)
>
> Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.
>
> Sincerely,
>
> The NLM Communications Team

From: Michael Schulson <michael@undark.org>
Sent: Thursday, December 12, 2019 11:38 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: question from a reporter re: ToxMap

Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

I'm at Personal Info

Thanks,

Michael

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

--
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Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

From: Everett, Chris (NIH/OD) [E]
Sent: 13 Dec 2019 15:55:22 +0000
To: Paltoo, Dina (NIH/NLM) [E]
Cc: Goodwin, Rebecca (NIH/NLM) [E];Berkson, Laura (NIH/OD) [E]
Subject: NLM TOXMAP Retirement

Hi Dina,

We've received a question from the Hill about NLM's TOXMAP website and the fact that it says it will be retired this month. I was wondering if you know why the website will be retired and if there are any plans to continue this service in a similar way after its retirement.

Best,
Chris

Christopher Everett, J.D.
Office of Legislative Policy & Analysis
National Institutes of Health
P: (301) 443-2202

From: Crutchman, Alise (NIH/NLM) [E]
Sent: 16 Dec 2019 19:36:53 +0000
To: Gillikin, David (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E]
Cc: Tuncer, Diane (NIH/NIDDK) [E];Nurik, Jody (NIH/NLM) [E]
Subject: RE: ToxMap Question

Hi David,

Thank you for the quick response. Will the site be archived?

Thank you,
Alise Crutchman

From: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>
Sent: Monday, December 16, 2019 2:27 PM
To: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: RE: ToxMap Question

Alise
The goal is that the site will be taken offline today, or hopefully by tomorrow. There are 21 other toxicology/TOXNET products that are also being retired today, as well as some other former SIS products (being handled by other areas NLM/LO). My division, BSD, is working with OCCS to retire the toxicology data sites. And hopefully OCCS will not run into problems as they are retiring the different TOXNET sites.

David

David Gillikin
Chief, Bibliographic Services Division
U.S. National Library of Medicine
8600 Rockville Pike
Bldg 38A, Rm 4N419
Bethesda, MD 20894-3831

From: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Sent: Monday, December 16, 2019 2:23 PM
To: Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Subject: ToxMap Question
Importance: High

Good afternoon,

We've received a question regarding the sunsetting of ToxMap. Can you provide us with the answer to the below?

ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained?

Thank you for your help!

Thank you,

Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 Mobile: Personal Info
Alise.Crutchman@nih.gov

From: Fine, Amanda (NIH/OD) [E]
Sent: 16 Dec 2019 19:46:03 +0000
To: Nurik, Jody (NIH/NLM) [E];Myles, Renate (NIH/OD) [E]
Cc: Burklow, John (NIH/OD) [E];Sheehan, Jerry (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: RE: Question re: media clearance- Follow Up

Hi All-

Apologies for the delay in getting back to you. To follow up on my call with Alise, we recommend that you respond to his follow up questions. For those question that you already answered, you can reiterate the previous responses by saying "As stated below etc." Regarding the questions about cost and users—if this data is not public, then you would let him know he can FOIA that information though not sure what would be shared.

You should definitely answer his last question and clarify that no it is not because of the Administration. This is part of a larger effort to streamline NLM resources, and this data is available through other government websites.

Renate may have additional input.

Hope this helps. Let us know if you have any questions or concerns.

Thanks!
Amanda

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, December 16, 2019 10:08 AM
To: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>; Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance- Follow Up
Importance: High

Hi Renate and Amanda,

We received clearance to provide a written response to the two reporter inquiries about the sunsetting of ToxMap (*Undark Magazine* and *Inside EPA)*. We subsequently received follow up questions from *Undark Magazine* (see email thread attached). We believe our initial response was sufficient and we are seeking your guidance to determine if any further action is required.

Noting, we have a better idea of what may have sparked these inquiries.
https://envirodatagov.org/goodbye-to-toxmap-and-our-environmental-right-to-know/
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Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
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Thanks,
Renate

Renate Myles, MBA
Deputy Director for Public Affairs
Office of Communications and Public Liaison
National Institutes of Health
Tel: 301-435-3638

NIH . . . ***Turning Discovery Into Health***

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The NLM Team

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Thanks!
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Renate may have additional input.

Hope this helps. Let us know if you have any questions or concerns.

Thanks!
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NIH . . . ***Turning Discovery Into Health***

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Mobile: Personal Info
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Attachments: FW: question from a reporter re: ToxMap
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Sent: 16 Dec 2019 15:00:55 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: NLM Communications
Subject: FW: question from a reporter re: ToxMap

From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 12:15 PM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi, NLM Communications,

Thanks so much for this note. I wasn't trying to schedule an interview, but I was hoping to get answers to these questions. Will that be possible? Happy to share more information or clarify anything, if that would be helpful.

Many thanks,

Michael

On Fri, Dec 13, 2019 at 12:09 PM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

> Hi Michael,
>
> Unfortunately at this time, we are not scheduling interviews regarding the sunsetting of ToxMap. We hope that the alternative resources provided below will be useful for your future needs.
>
> Thank you and best of luck,
> NLM Communications
>
> **From:** Michael Schulson <michael@undark.org>
> **Sent:** Friday, December 13, 2019 10:04 AM
> **To:** NLM Communications <NLMCommunications@nlm.nih.gov>
> **Cc:** Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
> **Subject:** Re: question from a reporter re: ToxMap
>
> Hi, NLM Communications,
>
> Thanks so much for this quick and helpful reply. Just a few follow-up questions:
>
> - I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?

- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns?
- How much did it cost to run ToxMap?
- How many people used ToxMap? Is there user data for the website that you can share?
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears?

Thanks again for your help on this. I'm happy to hop on the phone, if that would be easier: (Personal Info Personal

All the best,

Michael

On Fri, Dec 13, 2019 at 8:35 AM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

Good morning Michael,

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From: Michael Schulson <michael@undark.org>
Sent: Thursday, December 12, 2019 11:38 AM

To: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: question from a reporter re: ToxMap

Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

I'm at Personal Info

Thanks,

Michael

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

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Contributing Editor, Undark Magazine: undark.org/who-is-undark
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Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

From: Nurik, Jody (NIH/NLM) [E]
Sent: 16 Dec 2019 20:18:37 +0000
To: Fine, Amanda (NIH/OD) [E]
Cc: Burklow, John (NIH/OD) [E];Sheehan, Jerry (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E];Myles, Renate (NIH/OD) [E]
Subject: RE: Question re: media clearance- Follow Up
Attachments: Undark Press Questions 12.16.19.docx

Hi Amanda,

Please find the attached document containing the recommended follow up responses. We would like your feedback. In the meantime we will work on the clearance add-on request.

Thank you,
Jody

From: Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Sent: Monday, December 16, 2019 2:59 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance- Follow Up

Yes of course we are happy to take a look. You can clear these follow up responses with ADD to the original request.

Thanks!
Amanda

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, December 16, 2019 2:50 PM
To: Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>; Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance- Follow Up

Hi Amanda,

Thanks for this helpful information. We are working on a draft response – would you mind taking a look at it before we respond?

Also, confirming these new questions do not need to go for HHS clearance as they are “add-ons” from the original request.

Best,

Jody

From: Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Sent: Monday, December 16, 2019 2:46 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance- Follow Up

Hi All-

Apologies for the delay in getting back to you. To follow up on my call with Alise, we recommend that you respond to his follow up questions. For those question that you already answered, you can reiterate the previous responses by saying "As stated below etc." Regarding the questions about cost and users—if this data is not public, then you would let him know he can FOIA that information though not sure what would be shared.

You should definitely answer his last question and clarify that no it is not because of the Administration. This is part of a larger effort to streamline NLM resources, and this data is available through other government websites.

Renate may have additional input.

Hope this helps. Let us know if you have any questions or concerns.

Thanks!
Amanda

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, December 16, 2019 10:08 AM
To: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>; Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance- Follow Up
Importance: High

Hi Renate and Amanda,

We received clearance to provide a written response to the two reporter inquiries about the sunsetting of ToxMap (*Undark Magazine* and *Inside EPA)*. We subsequently received follow up questions from *Undark Magazine* (see email thread attached). We believe our initial response was sufficient and we are seeking your guidance to determine if any further action is required.

Noting, we have a better idea of what may have sparked these inquiries.
https://envirodatagov.org/goodbye-to-toxmap-and-our-environmental-right-to-know/
As an FYI, Dina Paltoo (NLM policy team) received an inquiry from NIH OLPA about the sunsetting of ToxMap from the Hill that she is addressing with the language cleared as part of our original request.
Thank you,
Jody

From: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Sent: Thursday, December 12, 2019 5:35 PM
To: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance

Hi Diane:

Your response looks good. Go ahead and send it up for clearance. Also, please be sure to include Amanda on any media questions. She's the newly appointed News Media Branch Chief.

Thanks,
Renate

Renate Myles, MBA
Deputy Director for Public Affairs
Office of Communications and Public Liaison
National Institutes of Health
Tel: 301-435-3638

NIH . . . *Turning Discovery Into Health*

From: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Sent: Thursday, December 12, 2019 5:31 PM
To: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>; Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Question re: media clearance

Hi John and Renate,

We received two email media inquiries (*Undark Magazine* and *Inside EPA*) this afternoon asking why the NLM is retiring its TOXMAP website. We are not entertaining interviews, but we would like to provide the reporters with language that aligns with other messages that NLM has shared in recent months about some of the changes that have been made as part of NLM's strategic plan and realignment efforts.

Below is the response that we would like to provide to these two reporters, but we wanted to check in to ask if this action would require going through the traditional media interview clearance process.

Thanks in advance for your guidance.

Diane

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Dear XXX,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:

- U.S. EPA Toxics Release Program (TRI)
- U.S. EPA Superfund Program
- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

***

Diane Tuncer, MPH
Public Affairs Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Mobile: Personal Info
diane.tuncer@nih.gov

Received 12/13/2019

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? 2019
- Who made that decision? As stated below, the decision was an output of the Strategic Plan.
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns? As stated below, data remains available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. Please see below links.
- How much did it cost to run ToxMap? As of this writing, this data is not publicly available. You may FOIA this information.
- How many people used ToxMap? Is there user data for the website that you can share? As of this writing, this data is not publicly available. You may FOIA this information.
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears? No, it is not because of the Administration. This is part of a larger effort to streamline NLM resources, and this data is available through other government websites.

Received 12/16/2019

- Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained? The site will be retired and taken offline.

Good morning Michael,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:

- U.S. EPA Toxics Release Program (TRI)
- U.S. EPA Superfund Program
- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Communications Team

From: West, Elisabeth (NIH/NHLBI) [E]
Sent: 16 Dec 2019 20:26:28 +0000
To: Fisher, Allison (NIH/NLM) [E];Danielson, Todd (NIH/NLM) [E]
Subject: Action Required, NLM FOIA Requests: 53284, 53285, 53286
Attachments: NLM 53285.pdf, NLM 53284.pdf, NLM 53286.pdf
Importance: High

Good afternoon,

We have received three *identical requests*, from three different requesters.

I will need to get EO approval to have CIT conduct an email search for items 3, 4, and 5. Once I have that approval I can collect any responsive records for those items. Todd, please confirm via reply all that I have your permission to search the inboxes of he following individuals: Dr. Patricia Flatley Brennan, Jerry Sheehan, Dr. Milton Corn, Dr. Dina Paltoo, Dr. Michael F. Huerta, Todd Danielson, Jody Nurik, Joyce Backus, Dr. Steven J. Phillips, MD and, Gale A. Dutcher.

I have attached all three requests to this email, for ease of viewing.

Allison, please let me know if there are additional parties that I need to contact for items 1 and 2. If you are able to retrieve any of those records on my behalf please do and return them to me ASAP.

The request reads as:

1. *a copy of memos, reports, studies, and other documents regarding the shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019,*

2. *any analyses or studies regarding the proposal and/or decision to shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019,*

3. *a copy of any correspondence with NIH Office of the Director, HHS Office of the Secretary or the White House regarding TOXMAP and TOXNET during calendar year 2019,*

4. *a copy of any correspondence with EPA regarding TOXMAP and TOXNET during calendar year 2019, and;*

5. *the results of an electronic search for any emails (TO, FROM or CC) within the email accounts of the following specified individuals (search the accounts of those individuals, even if now in different positions) that include the word TOXMAP OR the word TOXNET during the time period January 1, 2019 to the present: Dr. Patricia Flatley Brennan, Director, Jerry Sheehan, Deputy Director, Dr. Milton Corn, Deputy Director for Research and Education, Dr. Dina Paltoo, Assistant Director for Policy Development, Dr. Michael F. Huerta, Office of Strategic Initiatives, Todd Danielson, Associate Director - Office of Administrative Management, Jody Nurik, Director, Office of Communications and Public Liaison, Joyce Backus, Associate Director, Dr. Steven J. Phillips, MD, (former) Associate Director, Gale A. Dutcher, (former) Deputy Associate Director.*

If you all have any questions please do not hesitate to contact me.

Thank you,
Elisabeth

Elisabeth West
Government Information Specialist
NIH/NHLBI/FOIA Service Center
Rockledge One, Suite 6054
elisabeth.west@nih.gov
301-496-9737 (FOIA Main Line)
301-827-6259 (Direct Line)

From: 84490-51041807@requests.muckrock.com
To: NHLBI FOIA REQUEST (NIH/NHLBI)
Subject: Maryland Public Information Act Request: Toxmap and Toxnet Shutdown Records
Date: Monday, December 16, 2019 7:17:45 AM

National Library Of Medicine, National Institute Of Health
PIA Office
Room 6054
6705 Rockledge Dr.
Bethesda, MD 20817

December 16, 2019

To Whom It May Concern:

Pursuant to the Maryland Public Information Act, I hereby request the following records:

This is a request for records from the National Library of Medicine under the provisions of the Freedom of Information Act.

First, I request a copy of memos, reports, studies, and other documents regarding the shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

Second, I also request any analyses or studies regarding the proposal and/or decision to shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

Third, I also request a copy of any correspondence with NIH Office of the Director, HHS Office of the Secretary or the White House regarding TOXMAP and TOXNET during calendar year 2019.

Fourth, I also request a copy of any correspondence with EPA regarding TOXMAP and TOXNET during calendar year 2019.

Fifth and Finally, I also request the results of an electronic search for any emails (TO, FROM or CC) within the email accounts of the following specified individuals that include the word TOXMAP OR the word TOXNET during the time period January 1, 2019 to the present:

Dr. Patricia Flatley Brennan, Director
Jerry Sheehan, Deputy Director
Dr. Milton Corn, Deputy Director for Research and Education
Dr. Dina Paltoo, Assistant Director for Policy Development
Dr. Michael F. Huerta, Office of Strategic Initiatives

IN THE OFFICE OF ADMINISTRATIVE MANAGEMENT
Todd Danielson, Associate Director - Office of Administrative Management

IN THE OFFICE OF COMMUNICATIONS AND PUBLIC LIAISON
Jody Nurik, Director, Office of Communications and Public Liaison

IN THE DIVISION OF LIBRARY OPERATIONS
Joyce Backus, Associate Director

IN THE (FORMER) OFFICE OF SPECIALIZED INFORMATION SERVICES DIVISION (search the accounts of those individuals, even if now in different positions)
Dr. Steven J. Phillips, MD, (former) Associate Director
Gale A. Dutcher, (former) Deputy Associate Director

The requested documents will be made available to the general public, and this request is not being made for commercial purposes.

In the event that there are fees, I would be grateful if you would inform me of the total charges in advance of fulfilling my request. I would prefer the request filled electronically, by e-mail attachment if available or CD-ROM if not.

Thank you in advance for your anticipated cooperation in this matter. I look forward to receiving your response to this request within 10 calendar days, as the statute requires.

Sincerely,

Michael Morisy

Filed via MuckRock.com
E-mail (Preferred): 84490-51041807@requests.muckrock.com
Upload documents directly: https://accounts.muckrock.com/accounts/login/?next=https%3A%2F%2Fwww.muckrock.com%2Faccounts%2Flogin%2F%3Fnext%3D%252Faccounts%252Fagency_login%252Fnational-library-of-medicine-national-institute-of-health-19328%252Ftoxmap-and-toxnet-shutdown-records-84490%252F%253Femail%253Dnhlbifoiarequest%252540nhlbi.nih.gov&url_auth_token=AABqL4H3LQEeR499aHVheDu3rzg%3A1igpJW%3ApQrxItR0qO4Ks-QhzFqhkOPE1hk
Is this email coming to the wrong contact? Something else wrong? Use the above link to let us know.

For mailed responses, please address (see note):
MuckRock News
DEPT MR 84490
411A Highland Ave
Somerville, MA 02144-2516

PLEASE NOTE: This request was filed by a MuckRock staff reporter. Also note that improperly addressed (i.e., with the requester's name rather than "MuckRock News" and the department number) requests might be returned as undeliverable.

From: Michael Ravnitzky
To: NHLBI FOIA REQUEST (NIH/NHLBI)
Subject: FOIA request to NLM
Date: Sunday, December 15, 2019 8:07:29 AM

December 15, 2019

Marianne Manheim
National Institutes of Health - NLM FOIA Office
Room 6054
6705 Rockledge Dr.
Bethesda, MD 20817
301-496-9737 (phone)
301-402-3604 (fax)
Email: nhlbifoiarequest@nhlbi.nih.gov

RE: FOIA Request to the National Library of Medicine

This is a request for records from the National Library of Medicine under the provisions of the Freedom of Information Act.

First, I request a copy of memos, reports, studies, and other documents regarding the shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

Second, I also request any analyses or studies regarding the proposal and/or decision to shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

Third, I also request a copy of any correspondence with NIH Office of the Director, HHS Office of the Secretary or the White House regarding TOXMAP and TOXNET during calendar year 2019.

Fourth, I also request a copy of any correspondence with EPA regarding TOXMAP and TOXNET during calendar year 2019.

Fifth and Finally, I also request the results of an electronic search for any emails (TO, FROM or CC) within the email accounts of the following specified individuals that include the word TOXMAP OR the word TOXNET during the time period January 1, 2019 to the present:

Dr. Patricia Flatley Brennan, Director
Jerry Sheehan, Deputy Director
Dr. Milton Corn, Deputy Director for Research and Education
Dr. Dina Paltoo, Assistant Director for Policy Development
Dr. Michael F. Huerta, Office of Strategic Initiatives

IN THE OFFICE OF ADMINISTRATIVE MANAGEMENT
Todd Danielson, Associate Director - Office of Administrative Management

IN THE OFFICE OF COMMUNICATIONS AND PUBLIC LIAISON
Jody Nurik, Director, Office of Communications and Public Liaison

IN THE DIVISION OF LIBRARY OPERATIONS
Joyce Backus, Associate Director

IN THE (FORMER) OFFICE OF SPECIALIZED INFORMATION SERVICES DIVISION (search the accounts of those individuals, even if now in different positions)
Dr. Steven J. Phillips, MD, (former) Associate Director
Gale A. Dutcher, (former) Deputy Associate Director

This is an individual noncommercial request. It falls into the "all other requesters" fee category. I agree to pay up to $250 for applicable fees associated with this request, if necessary.

Thank you for your assistance with this records request.

Sincerely,

Michael Ravnitzky

Personal Info

From: NHLBI FOIA REQUEST (NIH/NHLBI)
To: John Birrenbach
Subject: RE: FOIA Request to the National Library of Medicine
Date: Monday, December 16, 2019 10:04:17 AM

Good morning,

As of March 15, we accept requests through our NIH FOIA Request Portal. Please submit future requests through the Portal.

There are numerous benefits of using the Portal to submit your request, including:

You enter your request directly into our processing queue;

The portal guides your entry to ensure we have the necessary contact information and details related to your request, thus reducing administrative delays;

You will receive an automated message through the Portal confirming your request has been received;

When the documents are reviewed and ready for release, you will download them directly through the Portal;

You only register once – making it even easier to submit future requests.

Once you submit your request through the portal, you will receive an email confirming receipt. Please feel free to contact me with any questions about this process.

As a one time courtesy we will process your request via your below email.

We look forward to working with you as we adopt a more interactive and efficient FOIA process at the NIH.

Thank you,
NHLBI FOIA Service Center

From: John Birrenbach <john@birrenbach.com>
Sent: Monday, December 16, 2019 9:49 AM
To: NHLBI FOIA REQUEST (NIH/NHLBI) <nhlbifoiarequest@nhlbi.nih.gov>
Subject: FOIA Request to the National Library of Medicine

Marianne Manheim
National Institutes of Health - NLM FOIA Office
Room 6054
6705 Rockledge Dr.
Bethesda, MD 20817
301-496-9737 (phone)
301-402-3604 (fax)
Email: nhlbifoiarequest@nhlbi.nih.gov

RE: FOIA Request to the National Library of Medicine

This is a request for records from the National Library of Medicine under the Freedom of Information Act.

First, I request a copy of memos, reports, studies, and other documents regarding the shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

Second, I also request any analyses or studies regarding the proposal and/or decision to shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

Third, I also request a copy of any correspondence with NIH Office of the Director, HHS Office of the Secretary or the White House regarding TOXMAP and TOXNET during calendar year 2019.

Fourth, I also request a copy of any correspondence with EPA regarding TOXMAP and TOXNET during calendar year 2019.

Fifth and Finally, I also request the results of an electronic search for any emails (TO, FROM or CC) within the email accounts of the following specified individuals that include the word TOXMAP OR the word TOXNET during the time period January 1, 2019 to the present:

Dr. Patricia Flatley Brennan, Director
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IN THE OFFICE OF ADMINISTRATIVE MANAGEMENT
Todd Danielson, Associate Director - Office of Administrative Management

IN THE OFFICE OF COMMUNICATIONS AND PUBLIC LIAISON
Jody Nurik, Director, Office of Communications and Public Liaison

IN THE DIVISION OF LIBRARY OPERATIONS
Joyce Backus, Associate Director

IN THE (FORMER) OFFICE OF SPECIALIZED INFORMATION SERVICES

DIVISION (search the accounts of those individuals, even if now in different positions)
Dr. Steven J. Phillips, MD, (former) Associate Director
Gale A. Dutcher, (former) Deputy Associate Director

I agree to pay up to $25 for applicable fees associated with this request, if necessary.

John Birrenbach
http://www.birrenbach.com
World's Finest Coffees
https://www.coffeecaffeine.com

From: Fine, Amanda (NIH/OD) [E]
Sent: 16 Dec 2019 20:29:00 +0000
To: Nurik, Jody (NIH/NLM) [E]
Cc: Burklow, John (NIH/OD) [E];Sheehan, Jerry (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E];Myles, Renate (NIH/OD) [E]
Subject: RE: Question re: media clearance- Follow Up
Attachments: Undark Press Questions 12.16.19 af edits.docx

Hi All-

Please see my input attached. Please note my comments.

Thanks,
Amanda

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, December 16, 2019 3:19 PM
To: Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Subject: RE: Question re: media clearance- Follow Up

Hi Amanda,

Please find the attached document containing the recommended follow up responses. We would like your feedback. In the meantime we will work on the clearance add-on request.

Thank you,
Jody

From: Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Sent: Monday, December 16, 2019 2:59 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance- Follow Up

Yes of course we are happy to take a look. You can clear these follow up responses with ADD to the original request.

Thanks!
Amanda

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, December 16, 2019 2:50 PM

To: Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>; Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance- Follow Up

Hi Amanda,

Thanks for this helpful information. We are working on a draft response – would you mind taking a look at it before we respond?

Also, confirming these new questions do not need to go for HHS clearance as they are "add-ons" from the original request.

Best,

Jody

From: Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Sent: Monday, December 16, 2019 2:46 PM
To: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance- Follow Up

Hi All-

Apologies for the delay in getting back to you. To follow up on my call with Alise, we recommend that you respond to his follow up questions. For those question that you already answered, you can reiterate the previous responses by saying "As stated below etc." Regarding the questions about cost and users—if this data is not public, then you would let him know he can FOIA that information though not sure what would be shared.

You should definitely answer his last question and clarify that no it is not because of the Administration. This is part of a larger effort to streamline NLM resources, and this data is available through other government websites.

Renate may have additional input.

Hope this helps. Let us know if you have any questions or concerns.

Thanks!
Amanda

From: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>
Sent: Monday, December 16, 2019 10:08 AM
To: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>; Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance- Follow Up
Importance: High

Hi Renate and Amanda,

We received clearance to provide a written response to the two reporter inquiries about the sunsetting of ToxMap (*Undark Magazine* and *Inside EPA)*. We subsequently received follow up questions from *Undark Magazine* (see email thread attached). We believe our initial response was sufficient and we are seeking your guidance to determine if any further action is required.

Noting, we have a better idea of what may have sparked these inquiries.
https://envirodatagov.org/goodbye-to-toxmap-and-our-environmental-right-to-know/
As an FYI, Dina Paltoo (NLM policy team) received an inquiry from NIH OLPA about the sunsetting of ToxMap from the Hill that she is addressing with the language cleared as part of our original request.
Thank you,
Jody

From: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>
Sent: Thursday, December 12, 2019 5:35 PM
To: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: RE: Question re: media clearance

Hi Diane:

Your response looks good. Go ahead and send it up for clearance. Also, please be sure to include Amanda on any media questions. She's the newly appointed News Media Branch Chief.

Thanks,
Renate

Renate Myles, MBA
Deputy Director for Public Affairs
Office of Communications and Public Liaison
National Institutes of Health
Tel: 301-435-3638

NIH . . . *Turning Discovery Into Health*

From: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Sent: Thursday, December 12, 2019 5:31 PM
To: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>; Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Question re: media clearance

Hi John and Renate,

We received two email media inquiries (*Undark Magazine* and *Inside EPA*) this afternoon asking why the NLM is retiring its TOXMAP website. We are not entertaining interviews, but we would like to provide the reporters with language that aligns with other messages that NLM has shared in recent months about some of the changes that have been made as part of NLM's strategic plan and realignment efforts.

Below is the response that we would like to provide to these two reporters, but we wanted to check in to ask if this action would require going through the traditional media interview clearance process.

Thanks in advance for your guidance.

Diane

***
Dear XXX,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:

- U.S. EPA Toxics Release Program (TRI)
- U.S. EPA Superfund Program
- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

***

Diane Tuncer, MPH
Public Affairs Specialist, Office of Communications and Public Liaison
National Library of Medicine | National Institutes of Health
Mobile: Personal Info
diane.tuncer@nih.gov

Received 12/13/2019

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision? The decision to retire the tool was made in 2019. As stated below, the decision was an output of the Strategic Plan 2019
- ~~Who made that decision? As stated below, the decision was an output of the Strategic Plan.~~
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns? As stated below, data remains available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. Please see below links.
- How much did it cost to run ToxMap? As of this writing, this data is not publicly available. You may FOIA this information.
- How many people used ToxMap? Is there user data for the website that you can share? As of this writing, this data is not publicly available. You may FOIA this information.
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears? No, ~~it is not because of the Administrat~~the decision to retire the site was made by NLM and not by the Administration~~ion~~. ~~This~~The reevaluation of NLM online resources ~~-~~is part of a larger effort to streamline NLM resources, and because this data is available through other government websites, NLM decided to direct its resources to other education tools.

Received 12/16/2019

- Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained? The site will be retired and taken offline.

Good morning Michael,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

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- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Comment [FA([]: I would point to what exactly in the plan resulted in this outcome. If it has to do with a reorganization I would add that too.

Comment [FA([]: Recommend hyperlinking to the FOIA page.

Comment [FA([]: NLM-please check that this is accurate with your folks. You do not need to use this language verbatum, but something along these lines would be appropriate. Please edit for accuracy.

Comment [FA([]: Are we sure it's not goign to be archived?

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Communications Team

From: NLM Communications
Sent: 16 Dec 2019 20:48:31 +0000
To: OCPLPressTeam;ODOCPL Interviews (NIH/OD OCPL)
Cc: Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: ADD: Interview request: retirement of NLM's TOXMAP website
Importance: High

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / Personal Info
Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: TBD
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD

See additional questions from reporter from Undark Magazine

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision? The decision to retire the tool was made in 2019. As stated below, the decision was an output of the Strategic Plan.
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns? As stated below, data remains available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. Please see below links.
- How much did it cost to run ToxMap? As of this writing, this data is not publicly available. You may FOIA this information.
- How many people used ToxMap? Is there user data for the website that you can share? As of this writing, this data is not publicly available. You may FOIA this information.
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears? No, the decision to retire the site was made by NLM and not by the Administration. The reevaluation of NLM online resources is part of a larger effort to streamline NLM resources. This data remains available through other original government sources.
- Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained? The site will be retired and taken offline.

From: Robinson, Michael J (HHS/ASPA) <michael.robinson@hhs.gov>
Sent: Thursday, December 12, 2019 6:04 PM
To: Akinso, Woleola (NIH/OD) [E] <akinsow@od.nih.gov>; HHS/OS Interviews <interviews@hhs.gov>; Burden, Bernadette (CDC/OD/OADC) <btb8@CDC.GOV>; Hoskins, Sharon (K.D.) (CDC/OD/OADC) <sdh4@CDC.GOV>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Haynes, Benjamin (CDC/OD/OADC) <fxq2@CDC.GOV>; Heldman, Amy B. (CDC/OD/OADC) <evd4@CDC.GOV>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Prince, Scott (NIH/OD) [E]

<scott.prince@nih.gov>; OCPLPressTeam <OCPLPressTeam@od.nih.gov>; ODOCPL Interviews (NIH/OD OCPL) <ODOCPLInterviews@mail.nih.gov>; NLM Communications <NLMCommunications@nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Re: Interview request: retirement of NLM's TOXMAP website

Ok

On: 12 December 2019 17:52, "Akinso, Woleola (NIH/OD) [E]" <akinsow@od.nih.gov> wrote:

One request for two different media outlets:

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / Personal Info

Reporter: David LaRoss
Organization: Inside EPA
Phone #(s): dlaross@iwpnews.com / Personal Info

Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: TBD
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD

Additional information: See language below for recommended response to reporters

Dear XXX,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

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- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau

- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

From: Crutchman, Alise (NIH/NLM) [E]
Sent: 16 Dec 2019 20:53:04 +0000
To: Nurik, Jody (NIH/NLM) [E]
Subject: FW: question from a reporter re: ToxMap

From: Michael Schulson <michael@undark.org>
Sent: Monday, December 16, 2019 3:48 PM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi, NLM,

Nice to talk with one of you a couple hours ago! My editors did hit publish on the story, but if there are additional details on the retiring/sunsetting process for Toxmap that you want to share, we may be able to update. Just let me know.

Thanks,

Michael

On Mon, Dec 16, 2019 at 1:08 PM Michael Schulson <michael@undark.org> wrote:

> Hi, NLM,
>
> Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained?
>
> Thanks,
>
> Michael
>
> On Fri, Dec 13, 2019 at 12:15 PM Michael Schulson <michael@undark.org> wrote:
>
> > Hi, NLM Communications,
> >
> > Thanks so much for this note. I wasn't trying to schedule an interview, but I was hoping to get answers to these questions. Will that be possible? Happy to share more information or clarify anything, if that would be helpful.
> >
> > Many thanks,

Michael

On Fri, Dec 13, 2019 at 12:09 PM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

> Hi Michael,
>
> Unfortunately at this time, we are not scheduling interviews regarding the sunsetting of ToxMap. We hope that the alternative resources provided below will be useful for your future needs.
>
> Thank you and best of luck,
> NLM Communications
>
> **From:** Michael Schulson <michael@undark.org>
> **Sent:** Friday, December 13, 2019 10:04 AM
> **To:** NLM Communications <NLMCommunications@nlm.nih.gov>
> **Cc:** Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
> **Subject:** Re: question from a reporter re: ToxMap
>
> Hi, NLM Communications,
>
> Thanks so much for this quick and helpful reply. Just a few follow-up questions:
>
> - I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?
> - One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns?
> - How much did it cost to run ToxMap?
> - How many people used ToxMap? Is there user data for the website that you can share?
> - One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears?
>
> Thanks again for your help on this. I'm happy to hop on the phone, if that would be easier:
> Personal Info
>
> All the best,
>
> Michael
>
> On Fri, Dec 13, 2019 at 8:35 AM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:
>
> > Good morning Michael,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

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Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Communications Team

From: Michael Schulson <michael@undark.org>
Sent: Thursday, December 12, 2019 11:38 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: question from a reporter re: ToxMap

Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

I'm at Personal Info

Thanks,

Michael

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

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Personal Info

From: Fine, Amanda (NIH/OD) [E]
Sent: 16 Dec 2019 20:54:40 +0000
To: Crutchman, Alise (NIH/NLM) [E]
Cc: Myles, Renate (NIH/OD) [E];Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Sheehan, Jerry (NIH/NLM) [E];Burklow, John (NIH/OD) [E]
Subject: RE: question from a reporter re: ToxMap

Ok, we can still get back to him with our responses. That happens sometimes.

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Sent: Monday, December 16, 2019 3:53 PM
To: Fine, Amanda (NIH/OD) [E] <amanda.fine@nih.gov>
Cc: Myles, Renate (NIH/OD) [E] <mylesr@mail.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>
Subject: FW: question from a reporter re: ToxMap
Importance: High

Hi Amanda,

Right after we sent the add-on HHS clearance, the reporter let us know the article was published.
https://undark.org/2019/12/16/toxmap-national-library-of-medicine-retired/

Thank you,

Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 Mobile: Personal Info
Alise.Crutchman@nih.gov

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> > >
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- How many people used ToxMap? Is there user data for the website that you can share?
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears?

Thanks again for your help on this. I'm happy to hop on the phone, if that would be easier:
Personal Info

All the best,

Michael

On Fri, Dec 13, 2019 at 8:35 AM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

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Thanks,

Michael

--
Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

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Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

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Michael Schulson
Contributing Editor, Undark Magazine: undark.org/who-is-undark
Personal Info

From: Fine, Amanda (NIH/OD) [E]
Sent: 16 Dec 2019 20:58:22 +0000
To: NLM Communications;OCPLPressTeam;ODOCPL Interviews (NIH/OD OCPL)
Cc: Nurik, Jody (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: RE: Interview request: retirement of NLM's TOXMAP website

Hi All-

There are some additional edits below—could you take a look and particularly for the second one, make sure that this is accurate. We tried to provide some language that addresses the question whether there is a concern about a similar tool not being available by the other agencies.

Thanks,
Amanda

From: NLM Communications <NLMCommunications@nlm.nih.gov>
Sent: Monday, December 16, 2019 3:49 PM
To: OCPLPressTeam <OCPLPressTeam@od.nih.gov>; ODOCPL Interviews (NIH/OD OCPL) <ODOCPLInterviews@mail.nih.gov>
Cc: Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>
Subject: ADD: Interview request: retirement of NLM's TOXMAP website
Importance: High

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / (Personal Info
Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: TBD
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD

See additional questions from reporter from Undark Magazine

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision? The decision to retire the tool was made in 2019. As stated below, the decision was an output of the Strategic Plan.
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns? **NLM PLEASE EDIT AS APPROPRIATE:** NIH regularly looks to offer tools to make data more accessible to the user. However, our ability to offer those tools needs to be in line with our long-term strategic objectives and projected resources. As stated below, the data remains available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications
- How much did it cost to run ToxMap? This data is not publicly available, and thus you would need to submit a FOIA this information.

- How many people used ToxMap? Is there user data for the website that you can share? This data is not publicly available, and thus you would need to submit a FOIA this information.
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears? No, the decision to retire the site was made by NLM and not by the Administration. The reevaluation of NLM online resources is part of a larger effort to streamline NLM resources. This data remains available through other original government sources.
- Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained? The site will be retired and taken offline.

From: Robinson, Michael J (HHS/ASPA) <michael.robinson@hhs.gov>
Sent: Thursday, December 12, 2019 6:04 PM
To: Akinso, Woleola (NIH/OD) [E] <akinsow@od.nih.gov>; HHS/OS Interviews <interviews@hhs.gov>; Burden, Bernadette (CDC/OD/OADC) <btb8@CDC.GOV>; Hoskins, Sharon (K.D.) (CDC/OD/OADC) <sdh4@CDC.GOV>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Haynes, Benjamin (CDC/OD/OADC) <fxq2@CDC.GOV>; Heldman, Amy B. (CDC/OD/OADC) <evd4@CDC.GOV>
Cc: Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Prince, Scott (NIH/OD) [E] <scott.prince@nih.gov>; OCPLPressTeam <OCPLPressTeam@od.nih.gov>; ODOCPL Interviews (NIH/OD OCPL) <ODOCPLInterviews@mail.nih.gov>; NLM Communications <NLMCommunications@nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Re: Interview request: retirement of NLM's TOXMAP website

Ok

On: 12 December 2019 17:52, "Akinso, Woleola (NIH/OD) [E]" <akinsow@od.nih.gov> wrote:

One request for two different media outlets:

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / Personal Info

Reporter: David LaRoss
Organization: Inside EPA
Phone #(s): dlaross@iwpnews.com / Personal Info

Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: TBD
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD

Additional information: See language below for recommended response to reporters

Dear XXX,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:

- U.S. EPA Toxics Release Program (TRI)
- U.S. EPA Superfund Program
- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

From: Nurik, Jody (NIH/NLM) [E]
Sent: 16 Dec 2019 21:06:46 +0000
To: Sheehan, Jerry (NIH/NLM) [E];Brennan, Patti (NIH/NLM) [E]
Cc: Paltoo, Dina (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E];Gillikin, David (NIH/NLM) [E];Goshorn, Jeanne (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E];Goodwin, Rebecca (NIH/NLM) [E]
Subject: RE: NLM TOXMAP RetirementFrom

Patti/Jerry,

As we were working with NIH OCPL on answering the reporter's follow up questions, the reporter let us know that the article posted - https://undark.org/2019/12/16/toxmap-national-library-of-medicine-retired/. – per NIH OCPL's recommendation, we plan to answer the reporter's additional questions below. Working now on HHS clearance.

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns?
- How much did it cost to run ToxMap?
- How many people used ToxMap? Is there user data for the website that you can share?
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears?
- When you say ToxMap will be retired/sunsetted, does that mean the site will be taken off line today or that it will continue as it currently exists but no longer be maintained?

Thanks,
Jody

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Friday, December 13, 2019 6:28 PM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Cc: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: FW: NLM TOXMAP RetirementFrom Subject Received

Below is a generic response re: ToxMap that we've modified in different ways for different respondents. Farther below is the sunsetting information we sent to Larry back in April. I don't have an exact date, but the sunset plan was announced around June, when we were closing SIS.

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission. The decision to retire ToxMap took into consideration the increasing availability of the underlying data and visualization tools from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

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Sunsetting

2. TOXMAP – Proposed sunset date: October 1, 2019

Original purpose: TOXMAP helps users visually explore toxicology data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canada's National Pollutant Release Inventory data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plant data. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program.

Why no longer needed: The US Environmental Protection Agency now produces several GIS products and visualization applications that have similar data and GIS functionality. Use of unique TOXMAP features (e.g., the ability to search TOXNET from within the GIS tools) has declined to a level too low to justify continued NLM investment in technological upgrades necessary.

Critical issues: Data used in TOXMAP will be available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. NLM will inform EPA and NIEHS of the proposed sunset, in addition to TOXMAP users.

From: Nurik, Jody (NIH/NLM) [E]
Sent: 16 Dec 2019 21:11:01 +0000
To: Brennan, Patti (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E];Paltoo, Dina (NIH/NLM) [E]
Cc: Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: FW: NLM TOXMAP RetirementFrom
Importance: High

Patti, Jerry, and Dina:

Below, are the draft responses (in black) that we worked on with NIH OCPL today. The next step is to send them for HHS clearance. Please let us know if you have any questions/comments.

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision? The decision to retire the tool was made in 2019. As stated below, the decision was an output of the Strategic Plan.
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns? NIH regularly looks to offer tools to make data more accessible to the user. However, our ability to offer those tools needs to be in line with our long-term strategic objectives and projected resources. As stated below, the data remains available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications
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Thanks,
Jody

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, December 16, 2019 4:07 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Cc: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin,

Rebecca (NIH/NLM) [E] <Rebecca.Goodwin@nih.gov>
Subject: RE: NLM TOXMAP RetirementFrom

Patti/Jerry,

As we were working with NIH OCPL on answering the reporter's follow up questions, the reporter let us know that the article posted - https://undark.org/2019/12/16/toxmap-national-library-of-medicine-retired/. – per NIH OCPL's recommendation, we plan to answer the reporter's additional questions below. Working now on HHS clearance.

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From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Friday, December 13, 2019 6:28 PM
To: Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Cc: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn, Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: FW: NLM TOXMAP RetirementFrom Subject Received

Below is a generic response re: ToxMap that we've modified in different ways for different respondents. Farther below is the sunsetting information we sent to Larry back in April. I don't have an exact date, but the sunset plan was announced around June, when we were closing SIS.

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission. The decision to retire ToxMap took into consideration the increasing availability of the underlying data and visualization tools from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:

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- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
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- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Sunsetting

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Why no longer needed: The US Environmental Protection Agency now produces several GIS products and visualization applications that have similar data and GIS functionality. Use of unique TOXMAP features (e.g., the ability to search TOXNET from within the GIS tools) has declined to a level too low to justify continued NLM investment in technological upgrades necessary.

Critical issues: Data used in TOXMAP will be available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. NLM will inform EPA and NIEHS of the proposed sunset, in addition to TOXMAP users.

Sent: 16 Dec 2019 21:32:26 +0000
To: Everett, Chris (NIH/OD) [E]
Cc: Goodwin, Rebecca (NIH/NLM) [E];Berkson, Laura (NIH/OD) [E];Sheehan, Jerry (NIH/NLM) [E]
Subject: RE: NLM TOXMAP Retirement

Hi,

Information on TOCNET is here: https://www.nlm.nih.gov/pubs/techbull/so19/so19_toxnet_discontinued.html and https://www.nlm.nih.gov/toxnet/index.html. ToxMap is a part of the TOXNET databases.

Dina N. Paltoo, Ph.D., M.P.H.
Assistant Director for Policy Development
Office of the Director, U.S. National Library of Medicine, National Institutes of Health
Office: 301.827.4377 | Mobile: Personal Info FAX: 301.496.4450
Email: dina.paltoo@nih.gov

From: Everett, Chris (NIH/OD) [E] <chris.everett@nih.gov>
Sent: Monday, December 16, 2019 4:22 PM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E] <laura.berkson@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Subject: RE: NLM TOXMAP Retirement

Hi Dina,

Thanks for your response! We've also received a question related to TOXNET as well. I assume the response for this will be the same – i.e. NLM has made some organizational changes to be more efficient and have retired TOXNET because of the increasing availability of the underlying data from its original sources. Can you confirm this?

If so, could you also send along any resources that show the same data TOXNET was using?

Thank you for your continued help!

Best,
Chris

From: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Sent: Monday, December 16, 2019 9:54 AM
To: Everett, Chris (NIH/OD) [E] <chris.everett@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E] <laura.berkson@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Subject: RE: NLM TOXMAP Retirement

Hi Chris,

As NLM implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission. The decision to retire ToxMap took into consideration the increasing availability of the underlying data and visualization tools from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

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- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Also, please see: https://www.nlm.nih.gov/pubs/techbull/ja19/brief/ja19_sis_closure.html and https://www.nlm.nih.gov/pubs/techbull/so19/so19_toxnet_discontinued.html.

Thanks.

Best,
Dina

Dina N. Paltoo, Ph.D., M.P.H.
Assistant Director for Policy Development
Office of the Director, U.S. National Library of Medicine, National Institutes of Health
Office: 301.827.4377 | Mobile: Personal Info FAX: 301.496.4450
Email: dina.paltoo@nih.gov

From: Everett, Chris (NIH/OD) [E] <chris.everett@nih.gov>
Sent: Friday, December 13, 2019 10:55 AM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E] <laura.berkson@nih.gov>
Subject: NLM TOXMAP Retirement

Hi Dina,

We've received a question from the Hill about NLM's TOXMAP website and the fact that it says it will be retired this month. I was wondering if you know why the website will be retired and if there are any plans to continue this service in a similar way after its retirement.

Best,
Chris

Christopher Everett, J.D.
Office of Legislative Policy & Analysis
National Institutes of Health
P: (301) 443-2202

From: Everett, Chris (NIH/OD) [E]
Sent: 16 Dec 2019 21:43:34 +0000
To: Paltoo, Dina (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E]
Cc: Goodwin, Rebecca (NIH/NLM) [E];Berkson, Laura (NIH/OD) [E]
Subject: RE: NLM TOXMAP Retirement

Thanks both of you! We'll send this information along to the staffer and see if they have anymore follow up questions.

Best,
Chris

From: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Sent: Monday, December 16, 2019 4:37 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Everett, Chris (NIH/OD) [E] <chris.everett@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E] <laura.berkson@nih.gov>
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Hi,

The announcement on TOXNET is here: https://www.nlm.nih.gov/pubs/techbull/so19/so19_toxnet_discontinued.html. ToxMap is a part of the TOXNET databases that Jerry described below.

Thanks.

D.

Dina N. Paltoo, Ph.D., M.P.H.
Assistant Director for Policy Development
Office of the Director, U.S. National Library of Medicine, National Institutes of Health
Office: 301.827.4377 | Mobile: Personal Info FAX: 301.496.4450
Email: dina.paltoo@nih.gov

From: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
Sent: Monday, December 16, 2019 4:33 PM
To: Everett, Chris (NIH/OD) [E] <chris.everett@nih.gov>; Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E] <laura.berkson@nih.gov>
Subject: RE: NLM TOXMAP Retirement

Chris,
The answer w/ TOXNET overall is more complicated. We are integrating many of the TOXNET resources into other NLM information services, such as PubChem. This page indicates where various TOXNET resources have moved. https://www.nlm.nih.gov/toxnet/index.html

TOXMAP was a little different in that it provided a mapping service for data from other primary sources. Because those other primary sources now make the data available and offer mapping services, NLM decided to discontinue TOXMAP.

Dina can provide more details.

Thanks
Jerry

From: Everett, Chris (NIH/OD) [E] <chris.everett@nih.gov>
Sent: Monday, December 16, 2019 4:22 PM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E] <laura.berkson@nih.gov>; Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>
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Subject: RE: NLM TOXMAP Retirement

Hi Chris,
As NLM implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission. The decision to retire ToxMap took into consideration the increasing availability of the underlying data and visualization tools from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:

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- U.S. EPA Facilities Registry System (FRS)
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- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Also, please see: https://www.nlm.nih.gov/pubs/techbull/ja19/brief/ja19_sis_closure.html and https://www.nlm.nih.gov/pubs/techbull/so19/so19_toxnet_discontinued.html.

Thanks.

Best,
Dina

Dina N. Paltoo, Ph.D., M.P.H.
Assistant Director for Policy Development
Office of the Director, U.S. National Library of Medicine, National Institutes of Health
Office: 301.827.4377 | Mobile: Personal Info | FAX: 301.496.4450
Email: dina.paltoo@nih.gov

From: Everett, Chris (NIH/OD) [E] <chris.everett@nih.gov>
Sent: Friday, December 13, 2019 10:55 AM
To: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>
Cc: Goodwin, Rebecca (NIH/NLM) [E] <rebecca.goodwin@nih.gov>; Berkson, Laura (NIH/OD) [E] <laura.berkson@nih.gov>
Subject: NLM TOXMAP Retirement

Hi Dina,

We've received a question from the Hill about NLM's TOXMAP website and the fact that it says it will be retired this month. I was wondering if you know why the website will be retired and if there are any plans to continue this service in a similar way after its retirement.

Best,
Chris

Christopher Everett, J.D.
Office of Legislative Policy & Analysis
National Institutes of Health
P: (301) 443-2202

From: Akinso, Woleola (NIH/OD) [E]
Sent: 16 Dec 2019 21:49:02 +0000
To: Robinson, Michael J (HHS/ASPA);HHS/OS Interviews;Burden, Bernadette (CDC/OD/OADC);Hoskins, Sharon (K.D.) (CDC/OD/OADC);Bonds, Michelle E. (CDC/OD/OADC);Haynes, Benjamin (CDC/OD/OADC);Heldman, Amy B. (CDC/OD/OADC)
Cc: Burklow, John (NIH/OD) [E];Prince, Scott (NIH/OD) [E];OCPLPressTeam;ODOCPL Interviews (NIH/OD OCPL);NLM Communications;Nurik, Jody (NIH/NLM) [E];Crutchman, Alise (NIH/NLM) [E];Tuncer, Diane (NIH/NIDDK) [E]
Subject: Re: Interview request: retirement of NLM's TOXMAP website

ADD:

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / (Personal Info
Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: Article published 12.16.19.https://undark.org/2019/12/16/toxmap-national-library-of-medicine-retired/
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD

See additional questions from reporter from Undark Magazine. While the initial article was published late afternoon on 12.16.19 (https://undark.org/2019/12/16/toxmap-national-library-of-medicine-retired/), reporter notes that the story may be updated.

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision? The decision to retire the tool was made in 2019. As stated below, the decision was an output of the Strategic Plan.
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns? NIH regularly looks to offer tools to make data more accessible to the user. However, our ability to offer those tools needs to be in line with our long-term strategic objectives and projected resources. As stated below, the data remains available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications
- How much did it cost to run ToxMap? This data is not publicly available, and thus you would need to submit a FOIA for this information.
- How many people used ToxMap? Is there user data for the website that you can share? This data is not publicly available, and thus you would need to submit a FOIA for this information.
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears? No, the decision to retire the site was made by NLM and not by the Administration. The reevaluation of NLM online resources is part of a larger effort to streamline NLM resources. This data remains available through other original government sources.
- Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained? The site will be retired and taken offline.

From: "Robinson, Michael J (HHS/ASPA)" <michael.robinson@hhs.gov>
Date: Thursday, December 12, 2019 at 6:03 PM
To: Woleola Akinso <akinsow@od.nih.gov>, HHS/OS Interviews <interviews@hhs.gov>, "Burden, Bernadette (CDC/OD/OADC)" <btb8@CDC.GOV>, "Hoskins, Sharon (K.D.) (CDC/OD/OADC)" <sdh4@CDC.GOV>, "Bonds, Michelle E. (CDC/OD/OADC)" <meb0@cdc.gov>, "Haynes, Benjamin (CDC/OD/OADC)" <fxq2@CDC.GOV>, "Heldman, Amy B. (CDC/OD/OADC)" <evd4@CDC.GOV>
Cc: "Burklow, John (NIH/OD) [E]" <burklowj@od.nih.gov>, "Prince, Scott (NIH/OD) [E]" <scott.prince@nih.gov>, OCPLPressTeam <OCPLPressTeam@od.nih.gov>, "ODOCPL Interviews (NIH/OD OCPL)" <ODOCPLInterviews@mail.nih.gov>, NLM Communications <NLMCommunications@nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>, "Tuncer, Diane (NIH/NIDDK) [E]" <diane.tuncer@nih.gov>
Subject: Re: Interview request: retirement of NLM's TOXMAP website
Resent-From: <OCPLPressTeam@od.nih.gov>

Ok

On: 12 December 2019 17:52, "Akinso, Woleola (NIH/OD) [E]" <akinsow@od.nih.gov> wrote:

One request for two different media outlets:

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / Personal Info

Reporter: David LaRoss
Organization: Inside EPA
Phone #(s): dlaross@iwpnews.com / Personal Info

Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: TBD
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD

Additional information: See language below for recommended response to reporters

Dear XXX,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

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- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

From: Sheehan, Jerry (NIH/NLM) [E]
Sent: 16 Dec 2019 22:06:28 +0000
To: Nurik, Jody (NIH/NLM) [E];Brennan, Patti (NIH/NLM) [E];Paltoo, Dina (NIH/NLM) [E]
Cc: Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: RE: NLM TOXMAP RetirementFrom

My edits are below, in CAPS for visibility

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision? The decision to retire the tool was made in 2019 AS PART OF A BROADER NLM REORGANIZATION THAT INTEGRATED MOST OF NLM'S TOXICOLOGY INFORMATION SERVICES INTO OTHER NLM PRODUCTS AND SERVICES.
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- Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained? The site will be retired and taken offline. THE SUNSET WAS ANNOUNCED IN [DATE – I THINK IT WAS JUNE] TO GIVE USERS SUFFICIENT TIME TO TRANSITION TO OTHER SOURCES. AS NOTED ABOVE, THE LIST OF LINKS TO DATA SOURCES WILL REMAIN ON THE TOXNT REDIRECTION SITE

Thanks,
Jody

From: Nurik, Jody (NIH/NLM) [E]
Sent: Monday, December 16, 2019 4:07 PM
To: Sheehan, Jerry (NIH/NLM) [E] <sheehanjr@mail.nlm.nih.gov>; Brennan, Patti (NIH/NLM) [E] <patti.brennan@nih.gov>
Cc: Paltoo, Dina (NIH/NLM) [E] <dina.paltoo@nih.gov>; Backus, Joyce (NIH/NLM) [E] <backusj@mail.nlm.nih.gov>; Gillikin, David (NIH/NLM) [E] <gillikd@mail.nlm.nih.gov>; Goshorn,

Jeanne (NIH/NLM) [E] <goshorj@mail.nlm.nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Goodwin, Rebecca (NIH/NLM) [E] <Rebecca.Goodwin@nih.gov>
Subject: RE: NLM TOXMAP RetirementFrom

Patti/Jerry,

As we were working with NIH OCPL on answering the reporter's follow up questions, the reporter let us know that the article posted - https://undark.org/2019/12/16/toxmap-national-library-of-medicine-retired/. – per NIH OCPL's recommendation, we plan to answer the reporter's additional questions below. Working now on HHS clearance.

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?
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Subject: FW: NLM TOXMAP RetirementFrom Subject Received

Below is a generic response re: ToxMap that we've modified in different ways for different respondents. Farther below is the sunsetting information we sent to Larry back in April. I don't have an exact date, but the sunset plan was announced around June, when we were closing SIS.

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consideration the increasing availability of the underlying data and visualization tools from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.
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Sunsetting

2. TOXMAP – Proposed sunset date: October 1, 2019

Original purpose: TOXMAP helps users visually explore toxicology data primarily from the EPA's Toxics Release Inventory (TRI) and Superfund Programs. TOXMAP also features Canada's National Pollutant Release Inventory data, U.S. EPA coal plant emissions data, and U.S. commercial nuclear power plant data. TOXMAP overlays U.S. Census demographic data, income figures from the U.S. Department of Commerce, and health data from the NCI SEER program.

Why no longer needed: The US Environmental Protection Agency now produces several GIS products and visualization applications that have similar data and GIS functionality. Use of unique TOXMAP features (e.g., the ability to search TOXNET from within the GIS tools) has declined to a level too low to justify continued NLM investment in technological upgrades necessary.

Critical issues: Data used in TOXMAP will be available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications. NLM will inform EPA and NIEHS of the proposed sunset, in addition to TOXMAP users.

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Sent: 16 Dec 2019 22:06:28 +0000
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From: Nurik, Jody (NIH/NLM) [E]
Sent: 16 Dec 2019 22:14:39 +0000
To: Tuncer, Diane (NIH/NIDDK) [E]
Cc: Crutchman, Alise (NIH/NLM) [E]
Subject: Re: Interview request: retirement of NLM's TOXMAP website

Sure. If we think it is needed, we should reach out to Lisa Theisen or put in a JIRA request to get the usage data.

Regards,

Jody

Jody Nurik
Director, Office of Communications and Public Liaison (OCPL)
National Library of Medicine
National Institutes of Health
Main OCPL phone: 301-496-6308

On Dec 16, 2019, at 5:11 PM, Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov> wrote:

> Jerry just sent some feedback to the responses. Let's talk in the am about next steps.
>
> Diane
>
> **From:** Daniels, Carla (HHS/ASPA) <Carla.Daniels@hhs.gov>
> **Sent:** Monday, December 16, 2019 4:54 PM
> **To:** Akinso, Woleola (NIH/OD) [E] <akinsow@od.nih.gov>
> **Cc:** Robinson, Michael J (HHS/ASPA) <michael.robinson@hhs.gov>; HHS/OS Interviews <interviews@hhs.gov>; Burden, Bernadette (CDC/OD/OADC) <btb8@CDC.GOV>; Hoskins, Sharon (K.D.) (CDC/OD/OADC) <sdh4@CDC.GOV>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Haynes, Benjamin (CDC/OD/OADC) <fxq2@CDC.GOV>; Heldman, Amy B. (CDC/OD/OADC) <evd4@CDC.GOV>; Burklow, John (NIH/OD) [E] <burklowj@od.nih.gov>; Prince, Scott (NIH/OD) [E] <scott.prince@nih.gov>; OCPLPressTeam <OCPLPressTeam@od.nih.gov>; ODOCPL Interviews (NIH/OD OCPL) <ODOCPLInterviews@mail.nih.gov>; NLM Communications <NLMCommunications@nlm.nih.gov>; Nurik, Jody (NIH/NLM) [E] <jody.nurik@nih.gov>; Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
> **Subject:** Re: Interview request: retirement of NLM's TOXMAP website
>
> Ok
>
> *Carla Daniels*
> *Public Affairs Specialist - OS/ASPA*
> *U.S Department of Health & Human Services*

Office (202) 690-4595
Cell Personal Info

On Dec 16, 2019, at 4:49 PM, Akinso, Woleola (NIH/OD) [E] <akinsow@od.nih.gov> wrote:

ADD:

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / Personal Info
Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: Article published 12.16.19.https://undark.org/2019/12/16/toxmap-national-library-of-medicine-retired/
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD

See additional questions from reporter from Undark Magazine. While the initial article was published late afternoon on 12.16.19 (https://undark.org/2019/12/16/toxmap-national-library-of-medicine-retired/), reporter notes that the story may be updated.

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision? The decision to retire the tool was made in 2019. As stated below, the decision was an output of the Strategic Plan.
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns? NIH regularly looks to offer tools to make data more accessible to the user. However, our ability to offer those tools needs to be in line with our long-term strategic objectives and projected resources. As stated below, the data remains available from their original sources (EPA, Canada, Nuclear Regulatory Commission, etc.), and GIS application users can overlay the data in their GIS applications
- How much did it cost to run ToxMap? This data is not publicly available, and thus you would need to submit a FOIA for this information.
- How many people used ToxMap? Is there user data for the website that you can share? This data is not publicly available, and thus you would need to submit a FOIA for this information.
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears? No, the decision to retire the site was made by NLM and not by the Administration. The reevaluation of NLM online resources is part of a larger effort to streamline NLM resources. This data remains available through other original government sources.

- Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained? The site will be retired and taken offline.

From: "Robinson, Michael J (HHS/ASPA)" <michael.robinson@hhs.gov>
Date: Thursday, December 12, 2019 at 6:03 PM
To: Woleola Akinso <akinsow@od.nih.gov>, HHS/OS Interviews <interviews@hhs.gov>, "Burden, Bernadette (CDC/OD/OADC)" <btb8@CDC.GOV>, "Hoskins, Sharon (K.D.) (CDC/OD/OADC)" <sdh4@CDC.GOV>, "Bonds, Michelle E. (CDC/OD/OADC)" <meb0@cdc.gov>, "Haynes, Benjamin (CDC/OD/OADC)" <fxq2@CDC.GOV>, "Heldman, Amy B. (CDC/OD/OADC)" <evd4@CDC.GOV>
Cc: "Burklow, John (NIH/OD) [E]" <burklowj@od.nih.gov>, "Prince, Scott (NIH/OD) [E]" <scott.prince@nih.gov>, OCPLPressTeam <OCPLPressTeam@od.nih.gov>, "ODOCPL Interviews (NIH/OD OCPL)" <ODOCPLInterviews@mail.nih.gov>, NLM Communications <NLMCommunications@nlm.nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, "Crutchman, Alise (NIH/NLM) [E]" <alise.crutchman@nih.gov>, "Tuncer, Diane (NIH/NIDDK) [E]" <diane.tuncer@nih.gov>
Subject: Re: Interview request: retirement of NLM's TOXMAP website
Resent-From: <OCPLPressTeam@od.nih.gov>

Ok

On: 12 December 2019 17:52, "Akinso, Woleola (NIH/OD) [E]" <akinsow@od.nih.gov> wrote:

One request for two different media outlets:

Reporter: Michael Schulson
Organization: Undark Magazine
Phone #(s): michael@undark.org / Personal Info

Reporter: David LaRoss
Organization: Inside EPA

Phone #(s): dlaross@iwpnews.com / Personal Info

Subject: Retirement of NLM's TOXMAP website
Deadline: ASAP
Spokesperson: General written response; no interview
Expected place of publication (print, online, broadcast): online
Expected date of publication/airing: TBD
Expected prominence (e.g. front page, Sunday, evening/morning show, etc.): TBD

Additional information: See language below for recommended response to reporters

Dear XXX,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:

- U.S. EPA Toxics Release Program (TRI)
- U.S. EPA Superfund Program
- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Team

From: Danielson, Todd (NIH/NLM) [E]
Sent: 16 Dec 2019 22:27:20 +0000
To: Brennan, Patti (NIH/NLM) [E];Sheehan, Jerry (NIH/NLM) [E];Corn, Milton (NIH/NLM) [E];Paltoo, Dina (NIH/NLM) [E];Huerta, Mike (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E];Backus, Joyce (NIH/NLM) [E]
Subject: FW: Action Required, NLM FOIA Requests: 53284, 53285, 53286
Attachments: NLM 53285.pdf, NLM 53284.pdf, NLM 53286.pdf
Importance: High

FYI – permission has been requested to search your email account using the search criteria to fulfill this FOIA request. No need to reply. I just wanted you to be aware of the request. Such searches require my approval.

From: West, Elisabeth (NIH/NHLBI) [E] <elisabeth.west@nih.gov>
Sent: Monday, December 16, 2019 3:26 PM
To: Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>; Danielson, Todd (NIH/NLM) [E] <danielst@mail.nlm.nih.gov>
Subject: Action Required, NLM FOIA Requests: 53284, 53285, 53286
Importance: High

Good afternoon,

We have received three *identical requests*, from three different requesters.

I will need to get EO approval to have CIT conduct an email search for items 3, 4, and 5. Once I have that approval I can collect any responsive records for those items. Todd, please confirm via reply all that I have your permission to search the inboxes of he following individuals: Dr. Patricia Flatley Brennan, Jerry Sheehan, Dr. Milton Corn, Dr. Dina Paltoo, Dr. Michael F. Huerta, Todd Danielson, Jody Nurik, Joyce Backus, Dr. Steven J. Phillips, MD and, Gale A. Dutcher.

I have attached all three requests to this email, for ease of viewing.

Allison, please let me know if there are additional parties that I need to contact for items 1 and 2. If you are able to retrieve any of those records on my behalf please do and return them to me ASAP.

The request reads as:

1. *a copy of memos, reports, studies, and other documents regarding the shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019,*

2. *any analyses or studies regarding the proposal and/or decision to shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019,*

3. *a copy of any correspondence with NIH Office of the Director, HHS Office of the Secretary or the White House regarding TOXMAP and TOXNET during calendar year 2019,*

4. *a copy of any correspondence with EPA regarding TOXMAP and TOXNET during calendar year 2019, and;*

5. *the results of an electronic search for any emails (TO, FROM or CC) within the email accounts of the following specified individuals (search the accounts of those individuals, even if now in different positions) that include the word TOXMAP OR the word TOXNET during the time period January 1, 2019 to the present: Dr. Patricia Flatley Brennan, Director, Jerry Sheehan, Deputy Director, Dr. Milton Corn, Deputy Director for Research and Education, Dr. Dina Paltoo, Assistant Director for Policy Development, Dr. Michael F. Huerta, Office of Strategic Initiatives, Todd Danielson, Associate Director - Office of Administrative Management, Jody Nurik, Director, Office of Communications and Public Liaison, Joyce Backus, Associate Director, Dr. Steven J. Phillips, MD, (former) Associate Director, Gale A. Dutcher, (former) Deputy Associate Director.*

If you all have any questions please do not hesitate to contact me.

Thank you,
Elisabeth

Elisabeth West
Government Information Specialist
NIH/NHLBI/FOIA Service Center
Rockledge One, Suite 6054
elisabeth.west@nih.gov
301-496-9737 (FOIA Main Line)
301-827-6259 (Direct Line)

From: 84490-51041807@requests.muckrock.com
To: NHLBI FOIA REQUEST (NIH/NHLBI)
Subject: Maryland Public Information Act Request: Toxmap and Toxnet Shutdown Records
Date: Monday, December 16, 2019 7:17:45 AM

National Library Of Medicine, National Institute Of Health
PIA Office
Room 6054
6705 Rockledge Dr.
Bethesda, MD 20817

December 16, 2019

To Whom It May Concern:

Pursuant to the Maryland Public Information Act, I hereby request the following records:

This is a request for records from the National Library of Medicine under the provisions of the Freedom of Information Act.

First, I request a copy of memos, reports, studies, and other documents regarding the shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

Second, I also request any analyses or studies regarding the proposal and/or decision to shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

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Jerry Sheehan, Deputy Director
Dr. Milton Corn, Deputy Director for Research and Education
Dr. Dina Paltoo, Assistant Director for Policy Development
Dr. Michael F. Huerta, Office of Strategic Initiatives

IN THE OFFICE OF ADMINISTRATIVE MANAGEMENT
Todd Danielson, Associate Director - Office of Administrative Management

IN THE OFFICE OF COMMUNICATIONS AND PUBLIC LIAISON
Jody Nurik, Director, Office of Communications and Public Liaison

IN THE DIVISION OF LIBRARY OPERATIONS
Joyce Backus, Associate Director

IN THE (FORMER) OFFICE OF SPECIALIZED INFORMATION SERVICES DIVISION (search the accounts of those individuals, even if now in different positions)
Dr. Steven J. Phillips, MD, (former) Associate Director
Gale A. Dutcher, (former) Deputy Associate Director

The requested documents will be made available to the general public, and this request is not being made for commercial purposes.

In the event that there are fees, I would be grateful if you would inform me of the total charges in advance of fulfilling my request. I would prefer the request filled electronically, by e-mail attachment if available or CD-ROM if not.

Thank you in advance for your anticipated cooperation in this matter. I look forward to receiving your response to this request within 10 calendar days, as the statute requires.

Sincerely,

Michael Morisy

Filed via MuckRock.com
E-mail (Preferred): 84490-51041807@requests.muckrock.com
Upload documents directly: https://accounts.muckrock.com/accounts/login/?next=https%3A%2F%2Fwww.muckrock.com%2Faccounts%2Flogin%2F%3Fnext%3D%252Faccounts%252Fagency_login%252Fnational-library-of-medicine-national-institute-of-health-19328%252Ftoxmap-and-toxnet-shutdown-records-84490%252F%253Femail%253Dnhlbifoiarequest%252540nhlbi.nih.gov&url_auth_token=AABqL4H3LQEeR499aHVheDu3rzg%3A1igpJW%3ApQrxItR0qO4Ks-QhzFqhkOPE1hk
Is this email coming to the wrong contact? Something else wrong? Use the above link to let us know.

For mailed responses, please address (see note):
MuckRock News
DEPT MR 84490
411A Highland Ave
Somerville, MA 02144-2516

PLEASE NOTE: This request was filed by a MuckRock staff reporter. Also note that improperly addressed (i.e., with the requester's name rather than "MuckRock News" and the department number) requests might be returned as undeliverable.

From: Michael Ravnitzky
To: NHLBI FOIA REQUEST (NIH/NHLBI)
Subject: FOIA request to NLM
Date: Sunday, December 15, 2019 8:07:29 AM

December 15, 2019

Marianne Manheim
National Institutes of Health - NLM FOIA Office
Room 6054
6705 Rockledge Dr.
Bethesda, MD 20817
301-496-9737 (phone)
301-402-3604 (fax)
Email: nhlbifoiarequest@nhlbi.nih.gov

RE: FOIA Request to the National Library of Medicine

This is a request for records from the National Library of Medicine under the provisions of the Freedom of Information Act.

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Dr. Milton Corn, Deputy Director for Research and Education
Dr. Dina Paltoo, Assistant Director for Policy Development
Dr. Michael F. Huerta, Office of Strategic Initiatives

IN THE OFFICE OF ADMINISTRATIVE MANAGEMENT
Todd Danielson, Associate Director - Office of Administrative Management

IN THE OFFICE OF COMMUNICATIONS AND PUBLIC LIAISON
Jody Nurik, Director, Office of Communications and Public Liaison

IN THE DIVISION OF LIBRARY OPERATIONS
Joyce Backus, Associate Director

IN THE (FORMER) OFFICE OF SPECIALIZED INFORMATION SERVICES DIVISION (search the accounts of those individuals, even if now in different positions)
Dr. Steven J. Phillips, MD, (former) Associate Director
Gale A. Dutcher, (former) Deputy Associate Director

This is an individual noncommercial request. It falls into the "all other requesters" fee category. I agree to pay up to $250 for applicable fees associated with this request, if necessary.

Thank you for your assistance with this records request.

Sincerely,

Michael Ravnitzky

Personal Info

From: NHLBI FOIA REQUEST (NIH/NHLBI)
To: John Birrenbach
Subject: RE: FOIA Request to the National Library of Medicine
Date: Monday, December 16, 2019 10:04:17 AM

Good morning,

As of March 15, we accept requests through our NIH FOIA Request Portal. Please submit future requests through the Portal.

There are numerous benefits of using the Portal to submit your request, including:

You enter your request directly into our processing queue;

The portal guides your entry to ensure we have the necessary contact information and details related to your request, thus reducing administrative delays;

You will receive an automated message through the Portal confirming your request has been received;

When the documents are reviewed and ready for release, you will download them directly through the Portal;

You only register once – making it even easier to submit future requests.

Once you submit your request through the portal, you will receive an email confirming receipt. Please feel free to contact me with any questions about this process.

As a one time courtesy we will process your request via your below email.

We look forward to working with you as we adopt a more interactive and efficient FOIA process at the NIH.

Thank you,
NHLBI FOIA Service Center

From: John Birrenbach <john@birrenbach.com>
Sent: Monday, December 16, 2019 9:49 AM
To: NHLBI FOIA REQUEST (NIH/NHLBI) <nhlbifoiarequest@nhlbi.nih.gov>
Subject: FOIA Request to the National Library of Medicine

Marianne Manheim
National Institutes of Health - NLM FOIA Office
Room 6054
6705 Rockledge Dr.
Bethesda, MD 20817
301-496-9737 (phone)
301-402-3604 (fax)
Email: nhlbifoiarequest@nhlbi.nih.gov

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IN THE OFFICE OF ADMINISTRATIVE MANAGEMENT
Todd Danielson, Associate Director - Office of Administrative Management

IN THE OFFICE OF COMMUNICATIONS AND PUBLIC LIAISON
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DIVISION (search the accounts of those individuals, even if now in different positions)
Dr. Steven J. Phillips, MD, (former) Associate Director
Gale A. Dutcher, (former) Deputy Associate Director

I agree to pay up to $25 for applicable fees associated with this request, if necessary.

John Birrenbach
http://www.birrenbach.com
World's Finest Coffees
https://www.coffeecaffeine.com

From: Danielson, Todd (NIH/NLM) [E]
Sent: 16 Dec 2019 22:28:18 +0000
To: West, Elisabeth (NIH/NHLBI) [E]
Cc: Fisher, Allison (NIH/NLM) [E]
Subject: RE: Action Required, NLM FOIA Requests: 53284, 53285, 53286

Please clarify the requested search criteria, search terms, etc that is requested.

From: West, Elisabeth (NIH/NHLBI) [E] <elisabeth.west@nih.gov>
Sent: Monday, December 16, 2019 3:26 PM
To: Fisher, Allison (NIH/NLM) [E] <allison.fisher2@nih.gov>; Danielson, Todd (NIH/NLM) [E] <danielst@mail.nlm.nih.gov>
Subject: Action Required, NLM FOIA Requests: 53284, 53285, 53286
Importance: High

Good afternoon,

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I will need to get EO approval to have CIT conduct an email search for items 3, 4, and 5. Once I have that approval I can collect any responsive records for those items. Todd, please confirm via reply all that I have your permission to search the inboxes of he following individuals: Dr. Patricia Flatley Brennan, Jerry Sheehan, Dr. Milton Corn, Dr. Dina Paltoo, Dr. Michael F. Huerta, Todd Danielson, Jody Nurik, Joyce Backus, Dr. Steven J. Phillips, MD and, Gale A. Dutcher.

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If you all have any questions please do not hesitate to contact me.

Thank you,
Elisabeth

Elisabeth West
Government Information Specialist
NIH/NHLBI/FOIA Service Center
Rockledge One, Suite 6054
elisabeth.west@nih.gov
301-496-9737 (FOIA Main Line)
301-827-6259 (Direct Line)

From: Brennan, Patti (NIH/NLM) [E]
Sent: 16 Dec 2019 17:29:30 -0500
To: Tabak, Lawrence (NIH/OD) [E]
Subject: RE: Toxmap. FW: Action Required, NLM FOIA Requests: 53284, 53285, 53286
Attachments: NLM 53285.pdf, NLM 53284.pdf, NLM 53286.pdf
Importance: High

HI Larry –

Because this topic came up in our discussion today I wanted you to know that we have received several FOIAs to search email related to Toxmap. Please let me know if you would like additional information, Patti

Patricia Flatley Brennan, RN, PhD
Director, National Library of Medicine
National Institutes of Health
US Department of Health and Human Services

From: Todd Danielson <danielst@mail.nlm.nih.gov>
Date: Monday, December 16, 2019 at 5:27 PM
To: Patti Brennan <patti.brennan@nih.gov>, Jerry Sheehan <sheehanjr@mail.nlm.nih.gov>, Milton Corn <cornm@mail.nlm.nih.gov>, "Paltoo, Dina (NIH/NLM) [E]" <dina.paltoo@nih.gov>, Mike Huerta <mike.huerta@nih.gov>, "Nurik, Jody (NIH/NLM) [E]" <jody.nurik@nih.gov>, Joyce Backus <backusj@mail.nlm.nih.gov>
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Huerta, Todd Danielson, Jody Nurik, Joyce Backus, Dr. Steven J. Phillips, MD and, Gale A. Dutcher.

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If you all have any questions please do not hesitate to contact me.

Thank you,
Elisabeth

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NIH/NHLBI/FOIA Service Center
Rockledge One, Suite 6054
elisabeth.west@nih.gov
301-496-9737 (FOIA Main Line)
301-827-6259 (Direct Line)

From: 84490-51041807@requests.muckrock.com
To: NHLBI FOIA REQUEST (NIH/NHLBI)
Subject: Maryland Public Information Act Request: Toxmap and Toxnet Shutdown Records
Date: Monday, December 16, 2019 7:17:45 AM

National Library Of Medicine, National Institute Of Health
PIA Office
Room 6054
6705 Rockledge Dr.
Bethesda, MD 20817

December 16, 2019

To Whom It May Concern:

Pursuant to the Maryland Public Information Act, I hereby request the following records:

This is a request for records from the National Library of Medicine under the provisions of the Freedom of Information Act.

First, I request a copy of memos, reports, studies, and other documents regarding the shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

Second, I also request any analyses or studies regarding the proposal and/or decision to shutdown/discontinuance of TOXMAP and TOXNET during calendar year 2019.

Third, I also request a copy of any correspondence with NIH Office of the Director, HHS Office of the Secretary or the White House regarding TOXMAP and TOXNET during calendar year 2019.

Fourth, I also request a copy of any correspondence with EPA regarding TOXMAP and TOXNET during calendar year 2019.

Fifth and Finally, I also request the results of an electronic search for any emails (TO, FROM or CC) within the email accounts of the following specified individuals that include the word TOXMAP OR the word TOXNET during the time period January 1, 2019 to the present:

Dr. Patricia Flatley Brennan, Director
Jerry Sheehan, Deputy Director
Dr. Milton Corn, Deputy Director for Research and Education
Dr. Dina Paltoo, Assistant Director for Policy Development
Dr. Michael F. Huerta, Office of Strategic Initiatives

IN THE OFFICE OF ADMINISTRATIVE MANAGEMENT
Todd Danielson, Associate Director - Office of Administrative Management

IN THE OFFICE OF COMMUNICATIONS AND PUBLIC LIAISON
Jody Nurik, Director, Office of Communications and Public Liaison

IN THE DIVISION OF LIBRARY OPERATIONS
Joyce Backus, Associate Director

IN THE (FORMER) OFFICE OF SPECIALIZED INFORMATION SERVICES DIVISION (search the accounts of those individuals, even if now in different positions)
Dr. Steven J. Phillips, MD, (former) Associate Director
Gale A. Dutcher, (former) Deputy Associate Director

The requested documents will be made available to the general public, and this request is not being made for commercial purposes.

In the event that there are fees, I would be grateful if you would inform me of the total charges in advance of fulfilling my request. I would prefer the request filled electronically, by e-mail attachment if available or CD-ROM if not.

Thank you in advance for your anticipated cooperation in this matter. I look forward to receiving your response to this request within 10 calendar days, as the statute requires.

Sincerely,

Michael Morisy

Filed via MuckRock.com
E-mail (Preferred): 84490-51041807@requests.muckrock.com
Upload documents directly: https://accounts.muckrock.com/accounts/login/?next=https%3A%2F%2Fwww.muckrock.com%2Faccounts%2Flogin%2F%3Fnext%3D%252Faccounts%252Fagency_login%252Fnational-library-of-medicine-national-institute-of-health-19328%252Ftoxmap-and-toxnet-shutdown-records-84490%252F%253Femail%253Dnhlbifoiarequest%252540nhlbi.nih.gov&url_auth_token=AABqL4H3LQEeR499aHVheDu3rzg%3A1igpJW%3ApQrxItR0qO4Ks-QhzFqhkOPE1hk
Is this email coming to the wrong contact? Something else wrong? Use the above link to let us know.

For mailed responses, please address (see note):
MuckRock News
DEPT MR 84490
411A Highland Ave
Somerville, MA 02144-2516

PLEASE NOTE: This request was filed by a MuckRock staff reporter. Also note that improperly addressed (i.e., with the requester's name rather than "MuckRock News" and the department number) requests might be returned as undeliverable.

From: Michael Ravnitzky
To: NHLBI FOIA REQUEST (NIH/NHLBI)
Subject: FOIA request to NLM
Date: Sunday, December 15, 2019 8:07:29 AM

December 15, 2019

Marianne Manheim
National Institutes of Health - NLM FOIA Office
Room 6054
6705 Rockledge Dr.
Bethesda, MD 20817
301-496-9737 (phone)
301-402-3604 (fax)
Email: nhlbifoiarequest@nhlbi.nih.gov

RE: FOIA Request to the National Library of Medicine

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This is an individual noncommercial request. It falls into the "all other requesters" fee category. I agree to pay up to $250 for applicable fees associated with this request, if necessary.

Thank you for your assistance with this records request.

Sincerely,

Michael Ravnitzky

Personal Info

From: NHLBI FOIA REQUEST (NIH/NHLBI)
To: John Birrenbach
Subject: RE: FOIA Request to the National Library of Medicine
Date: Monday, December 16, 2019 10:04:17 AM

Good morning,

As of March 15, we accept requests through our NIH FOIA Request Portal. Please submit future requests through the Portal.

There are numerous benefits of using the Portal to submit your request, including:

You enter your request directly into our processing queue;

The portal guides your entry to ensure we have the necessary contact information and details related to your request, thus reducing administrative delays;

You will receive an automated message through the Portal confirming your request has been received;

When the documents are reviewed and ready for release, you will download them directly through the Portal;

You only register once – making it even easier to submit future requests.

Once you submit your request through the portal, you will receive an email confirming receipt. Please feel free to contact me with any questions about this process.

As a one time courtesy we will process your request via your below email.

We look forward to working with you as we adopt a more interactive and efficient FOIA process at the NIH.

Thank you,
NHLBI FOIA Service Center

From: John Birrenbach <john@birrenbach.com>
Sent: Monday, December 16, 2019 9:49 AM
To: NHLBI FOIA REQUEST (NIH/NHLBI) <nhlbifoiarequest@nhlbi.nih.gov>
Subject: FOIA Request to the National Library of Medicine

Marianne Manheim
National Institutes of Health - NLM FOIA Office
Room 6054
6705 Rockledge Dr.
Bethesda, MD 20817
301-496-9737 (phone)
301-402-3604 (fax)
Email: nhlbifoiarequest@nhlbi.nih.gov

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Dr. Steven J. Phillips, MD, (former) Associate Director
Gale A. Dutcher, (former) Deputy Associate Director

I agree to pay up to $25 for applicable fees associated with this request, if necessary.

John Birrenbach
http://www.birrenbach.com
World's Finest Coffees
https://www.coffeecaffeine.com

From: Crutchman, Alise (NIH/NLM) [E]
Sent: 16 Dec 2019 18:33:15 +0000
To: Charuhas, Joe (NIH/NLM) [E];Jones, Cameron (NIH/NLM) [E];Hill, Troy (NIH/NLM) [E];Detweiler, Michael (NIH/NLM) [E]
Cc: Scott, Nicole (NIH/NLM) [E];Nurik, Jody (NIH/NLM) [E]
Subject: NLM Communications Inbox- IMPORTANT
Attachments: Re: question from a reporter re: ToxMap

Hi there,

We are missing some important emails from Friday and now today. Please do not delete or move any press emails. I have sent two test emails and one has disappeared.

Please restore all/any emails from Friday and today back into the Inbox. I have attached an email that was sent to the Comms Inbox that I cannot locate within the inbox nor did we receive the forwarded message. I only received the notification because I cc'd myself and Diane. We need the press/media emails immediately.

Thank you,

Alise Crutchman, MBA
Program Specialist, Office of Communications & Public Liaison
National Library of Medicine | National Institutes of Health
Direct: (301) 827-6493 Mobile: Personal Info
Alise.Crutchman@nih.gov

From: Michael Schulson
Sent: 16 Dec 2019 13:08:59 -0500
To: NLM Communications
Cc: Tuncer, Diane (NIH/NIDDK) [E];Crutchman, Alise (NIH/NLM) [E]
Subject: Re: question from a reporter re: ToxMap

Hi, NLM,

Sorry to keep bothering you, but I did have one fact-checking question, at least, that I hope I can run by you: when you say that ToxMap will be retired or sunsetted, does that mean the site will be taken offline today (i.e., the link will no longer work), or that it will continue as it currently exists, but will no longer be updated or maintained?

Thanks,

Michael

On Fri, Dec 13, 2019 at 12:15 PM Michael Schulson <michael@undark.org> wrote:

> Hi, NLM Communications,
>
> Thanks so much for this note. I wasn't trying to schedule an interview, but I was hoping to get answers to these questions. Will that be possible? Happy to share more information or clarify anything, if that would be helpful.
>
> Many thanks,
>
> Michael
>
> On Fri, Dec 13, 2019 at 12:09 PM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:
>
>> Hi Michael,
>>
>> Unfortunately at this time, we are not scheduling interviews regarding the sunsetting of ToxMap. We hope that the alternative resources provided below will be useful for your future needs.
>>
>> Thank you and best of luck,
>>
>> NLM Communications

From: Michael Schulson <michael@undark.org>
Sent: Friday, December 13, 2019 10:04 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Cc: Crutchman, Alise (NIH/NLM) [E] <alise.crutchman@nih.gov>; Tuncer, Diane (NIH/NIDDK) [E] <diane.tuncer@nih.gov>
Subject: Re: question from a reporter re: ToxMap

Hi, NLM Communications,

Thanks so much for this quick and helpful reply. Just a few follow-up questions:

- I know that NLM launched a new version of ToxMap as recently as June 2018. When did NLM decide to close down the site altogether? Who made that decision?
- One concern I have heard from multiple ToxMap users is that, while the EPA and other agencies do offer some of the data available on ToxMap, there is no other tool that is similarly comprehensive and accessible to non-experts. Does NLM have a response to those concerns?
- How much did it cost to run ToxMap?
- How many people used ToxMap? Is there user data for the website that you can share?
- One researcher has expressed concern that ToxMap's "disappearance only extends that larger pattern of decreasing transparency of environmental data during the Trump era." Does NLM have any response to those fears?

Thanks again for your help on this. I'm happy to hop on the phone, if that would be easier: Personal Info

All the best,

Michael

On Fri, Dec 13, 2019 at 8:35 AM NLM Communications <NLMCommunications@nlm.nih.gov> wrote:

> Good morning Michael,

As the National Library of Medicine (NLM) implements its current Strategic Plan, it has had to make some difficult organizational changes that have resulted in some resources and programs being integrated into other NLM resources, made accessible on partner sites, or discontinued. These changes are intended to provide greater alignment of resources to fulfill NLM's mission.

While the TOXMAP website will be retired this month, selected TOXMAP data can be accessed from the following sites:

- U.S. EPA Toxics Release Program (TRI)
- U.S. EPA Superfund Program
- U.S. EPA Facilities Registry System (FRS)
- U.S. EPA Clean Air Markets Program
- U.S. EPA Geospatial Applications
- U.S. NIH NCI Surveillance, Epidemiology, and End Results Program (SEER)
- Government of Canada National Pollutant Release Inventory (NPRI)
- U.S. Census Bureau
- U.S. Nuclear Regulatory Commission (NRC)

Part of the decision was prompted by the increasing availability of the underlying data from their original sources. Many sources such as the EPA, among others, offer several products that provide similar geographic information system (GIS) functionality.

Sincerely,

The NLM Communications Team

From: Michael Schulson <michael@undark.org>
Sent: Thursday, December 12, 2019 11:38 AM
To: NLM Communications <NLMCommunications@nlm.nih.gov>
Subject: question from a reporter re: ToxMap

Hi, NLM--

I'm a reporter for Undark Magazine, which covers science and society for a national audience from its headquarters at MIT.

I'm working on a story about the impending shutdown of ToxMap, and wanted to get input from the NLM on the decision to close the service down. Is anyone available for a phone call today or tomorrow?

I'm at Personal Info

Thanks,

Michael

--

Michael Schulson

Contributing Editor, Undark Magazine: undark.org/who-is-undark

Personal Info

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