

## Evaluation Survey

Thank you for your interest in helping NLM re-envision its toxicology and environmental health resources to ensure their relevance today and in the future. As we noted in our invitation to you, we want to work with users of NLM's toxicology and environmental health resources to gain critical insight into optimizing NLM's electronic resources in the areas of toxicology and environmental health by assessing and re-envisioning them to ensure that they continue to meet the changing needs of a diverse set of users. This survey is one step that will help us better understand current and future user information needs.

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We appreciate you taking the time to share your thoughts with us. If you have any questions regarding this survey, please contact **Dan Kovacs** at Decision Partners at [dkovacs@decisionpartners.co](mailto:dkovacs@decisionpartners.co) or **Pertti (Bert) Hakkinen** at NLM at [hakkinenp@mail.nlm.nih.gov](mailto:hakkinenp@mail.nlm.nih.gov).

If you do not finish the survey in one session, your progress will be saved until you return, but you must use the same computer or device.

### To start, please tell us a little about yourself ...

1. What is your occupation or job title?

- Researcher
- Regulator
- Industrial Hygienist
- Toxicologist or Environmental Health Scientist
- Emergency Responder/Preparer
- Public Health Agency Employee
- Medical Professional
- Occupational Health and Safety Trainer
- If Other, please specify

2. Who are you employed by?

- Federal Government
- State or Local Government
- Academia
- Health Care Provider
- Industry
- Non-Governmental Organization
- Other, please specify

3. Please select the Country in which you are employed

4. For those in the US, please select the State in which you are employed

**Now, please tell us a little about your information needs and the resources that you use ...**

5. How important to you are each of the following types of toxicology and environmental health electronic resources? (For the most important resources describe why they are important to you.)

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Environmental health, toxicology and chemical databases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Why is this an important resource to you?	<input type="text"/>				
Online communities related to specific relevant topics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Why is this an important resource to you?	<input type="text"/>				
Journals and peer-reviewed publications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Why is this an important resource to you?	<input type="text"/>				
Webinars	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Why is this an important resource to you?	<input type="text"/>				
E-learning resources (tutorials, courses)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Why is this an important resource to you?	<input type="text"/>				
Phone and tablet apps for accessing information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Why is this an important resource to you?	<input type="text"/>				
Other, Non-database Websites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Why is this an important resource to you?	<input type="text"/>				
Other (specify in comment box below)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Why is this an important resource to you?	<input type="text"/>				

6. How often do the following tasks lead you to use electronic resources?

(For the most frequent or important, describe how they support the task)

Daily Weekly Monthly Several times a year A few times a year Less than once a year or not at all

Research on health effects of exposure

How do electronic resources support you in this task?

Research on substances that impact environment

How do electronic resources support you in this task?

Teaching in high school or university

How do electronic resources support you in this task?

Training in industry, government or other non-academic setting

How do electronic resources support you in this task?

Preparing for or responding to a CBRNE emergency event

How do electronic resources support you in this task?

7. Continuing previous question ...

How often do the following tasks lead you to use electronic resources?

(For the most frequent or important, describe how they support the task)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Providing medical care (other than first-responder)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How do electronic resources support you in this task?	<input type="text"/>					
Developing or monitoring public health policies or initiatives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How do electronic resources support you in this task?	<input type="text"/>					
Developing or monitoring safety and environmental guidelines/standards/regulations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How do electronic resources support you in this task?	<input type="text"/>					
Developing occupational health and safety assessments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How do electronic resources support you in this task?	<input type="text"/>					
Other task (please rate here and specify below)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How do electronic resources support you in this task?	<input type="text"/>					

8. Are there ways that these resources could better support your tasks? What changes would be needed?

**Now, please tell us a little about the sources of the information resources that you use ...**

9. How frequently do you use electronic resources from the following sources?

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
NLM (e.g., PubMed, PubChem, Hazardous Substances Data Bank, Household Products Database)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					
NIEHS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					
US EPA	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					
US FDA	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					
European Commission (e.g., Joint Research Centre)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					
European Chemicals Agency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					

10. Continuing previous question ...

How frequently do you use electronic resources from the following sources?

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
European Food Safety Authority	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					
European Medicines Agency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					
OECD's eChemPortal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					
Professional Societies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					
Other (specify in comment box below)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific resource(s) used from this source (if any)	<input type="text"/>					

11. Thinking of the resources that you use most frequently, which best describe why you use them more frequently than other resources? (select all that apply)

- Search engine takes me there first
- Habit/familiarity with resource
- Has the information that I'm looking for
- Trustworthiness/competence of provider
- Comprehensiveness/breadth of resources available
- Quality of Information available; Most up-to-date information
- Ease of use of resource (organization, navigation, interface, info export/sharing)
- Other (specify below)

Please briefly describe in your own words why you go to your primary sources first.

**Now, please tell us a little about the availability and quality of implementation of resources now and in the future ...**

12. How difficult is it today to find the toxicology and environmental health electronic resources that you need, when you need them? Would you say:

- Not at all Difficult
- Slightly Difficult
- Moderately Difficult
- Very Difficult
- Extremely Difficult
- Other / Can't Rate (describe below)

Why do you say that?



13. What kinds of toxicology and environmental health electronic resources are not currently available, but would be valuable to you in your work if they were developed?

14. What will need to be done to enhance and improve access to electronic resources in the future and why is this important?

15. As you look into the future, how important will each of the following be to you?

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Ability to easily integrate information from multiple sources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ability to use voice activated search	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Receiving alerts when new knowledge, models, techniques or other information relevant to my work is available	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ability to do more of my work on a smart phone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having a virtual community that I can easily share information with or ask questions of	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being able to customize resources to my specific needs as a user	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

16. Do you have any other thoughts or comments that will help us as we move forward with other activities to support re-envisioning NLM's electronic resources to ensure that they continue to meet the changing needs of a diverse set of users?

17. Please provide your name so that we can follow-up with you if needed to better understand your responses as we move forward with other activities to support re-envisioning NLM's electronic resources. Your name will not be associated with any of your survey responses beyond the NLM and Decision Partners Team.

If you have any questions regarding this survey, please contact **Dan Kovacs** at Decision Partners at [dkovacs@decisionpartners.co](mailto:dkovacs@decisionpartners.co) or **Perti (Bert) Hakkinen** at NLM at [hakkinenp@mail.nlm.nih.gov](mailto:hakkinenp@mail.nlm.nih.gov).

Thank you for taking the time to help us re-envision NLM's electronic resources. Your input has been very valuable.