The Value of Creating Language and Community in Catalyzing Knowledge-Driven Discovery in Environmental Health Research

June 24, 2021
1:00 p.m. – 4:00 p.m. EDT

1:00 p.m. **Welcome and Opening Remarks**
Welcome: Stephanie Holmgren, M.S.L.S., M.B.A., NIEHS
Opening Remarks: Rick Woychik, Ph.D., NIEHS

1:10 p.m. **Background on Creating the Environmental Health Language Collaborative**
Charles Schmitt, Ph.D., NIEHS

1:20 p.m. **The Value of Applying Harmonized Language to EHS Research**
Examples of how applying language standards advances discovery in environmental health sciences research.

(15 min. per presentation, incl. Q&A)

Ontology-driven approaches to adverse outcome pathway development and use
Stephen Edwards, Ph.D., RTI International

Linking data from laboratory and field investigations of mercury transformation, bioaccumulation, and remediation
Celia Chen, Ph.D., Dartmouth

KG-COVID 19: Machine learning on knowledge graphs and ontologies
Justin Reese, Ph.D., Lawrence Berkeley National Laboratory

Advancing environmental health research using common vocabularies within the HHEAR Data Center
Jeanette Stingone, Ph.D., Columbia University

2:20 p.m.   Break (10 min.)

2:30 p.m.   ## The Value of a Community Coming Together
Accomplishments and lessons learned from how other community standards efforts have come together to achieve their goals.

(15 min. per presentation, incl. Q&A)

The communities behind the founding and growth of the Gene Ontology Consortium
Paul D. Thomas, Ph.D., University of Southern California

Building semantic standards in a global community: experiences from GA4GH
Melanie Courtot, Ph.D., EMBL-EBI

Community building under the Research Data Alliance umbrella
Anne E. Thessen, Ph.D., University of Colorado Anschutz Medical Campus

3:15 p.m.   ## Background and Discussion: Environmental Health Language Collaborative
Opportunity for members of the EHS community to provide input on the mission, objectives, and organizational model for the proposed.
Environmental Health Language Collaborative.
Stephanie Holmgren, NIEHS

3:55 p.m.   Close   *adjourn at 4:00*