IODE PANEL DISCUSSION ON DATA CITATION

Cathy Norton, Moderator

Panelists: Peter Pissierssens, IOC Project Office for IODE, Belgium
Sticks and Carrots: Today's Many Challenges of the Data Manager

Today's technology makes it possible for anyone to make data available online almost instantaneously. What is the impact for oceanographic data centers of the IODE network? More than ever issues like data policy, standards, quality control, quality management framework, metadata are of crucial importance. But how can we convince scientists to hand over their data? How can librarians help?

Linda Pikula, U.*S.* NOAA/Miami Regional Library, FL, USA
Lisa Raymond, MBLWHOI Library, Woods Hole Oceanographic Institution, MA, USA

Melissa Cragin, AAAS Science & Technology Policy Fellow in residence at the Directorate for Biological Sciences in the National Science Foundation, NW, USA
Data-in-Mind: Scaling Up Data Activities In the BIO Directorate At the National Science Foundation

The Directorate for Biological Sciences at the National Science Foundation funds research on fundamental questions in biology, as well as infrastructure to support that research. While "big data" is often in the spotlight, solutions for management and (re)use of smaller stores will continue to be needed by researchers. What does the landscape of barriers and solutions for "long-tail data" look like? What are the questions driving policy activities related to data archiving at the NSF? This presentation will include an overview of BIO programs working to form coordinated data infrastructures, and which of those are most significant for the kinds of hybrid data collections found in aquatic sciences information centers.

Tom Moritz, Tom Moritz Consultancy, CA, *USA*
Biodiversity Data-Towards Mainstreaming Of Biodiversity Data Publishing: Recommendations Of the GBIF Data Publishing Framework Task Group

Logically and technically, "data" provide the evidentiary basis for science and provides support for the formation of public policy. Recent controversies involving the IPCC and the international climate change community make clear the importance of rigorous analysis and management of data. What is -- and what will be -- the librarian's role in developing, managing and providing access to data?

Topics for discussion:
- The role of the librarian in data citation, use of Cross Ref and other services.
- Integrated services and managed Intellectual Property Rights (IPR).
- The data management plan and the library's role in creating an institutional-wide plan that meets funding requirements and Access requirements.
- What do data managers and librarians do differently with data?