



## SCIENTIFIC DATA MANAGEMENT (SDM) FOR GOVERNMENT AGENCIES: WORKSHOP TO IMPROVE SDM CO-SPONSORED BY CENDI, IWGDD, AND EPA

JUNE 29-JULY 1, 2010

### DAY 1: June 29, 2010

**8:15-9:00 REGISTRATION AND MORNING REFRESHMENTS**

**9:00-10:45 OPENING PLENARY SESSION**

- Introduction and welcome  
**Robert Shepanek, EPA**
- Importance of scientific data in decision making and policy development  
**Dr. Pai-Yei Whung, EPA, Chief Scientist, Office of the Science Advisor**
- Importance of Managing Data as a strategic national asset: *"Harnessing the Power of Digital Data for Science and Society"*  
**Chris Greer, Assistant Director, Information Technology R&D for the White House Office of Science and Technology Policy, and Co-chair of the NSTC Interagency Group on Digital Data**
- Results of participant web survey of the current landscape of agency policies and data management planning  
**Bonnie C. Carroll, CENDI, Executive Director**

**10:45-11:00 BREAK**

**11:00-3:00 TECHNICAL PLENARY** (Agency presentations on their science data policies, data management planning approaches and challenges)

- **National Science Foundation**  
**Dr. Phil Bogden, Program Director, Office of Cyberinfrastructure**
- **National Institute of Standards and Technology**  
**Daniel G. Friend, Chief, Thermophysical Properties Division**
- **National Aeronautics and Space Administration**  
**Joseph Bredekamp, Senior Science Program Executive**

### WORKING LUNCH PROVIDED

- **Department of the Interior**  
**Karen Siderelis, Geospatial Information Officer**
- **National Institutes of Health/National Library of Medicine**  
**Jerry Sheehan, Assistant Director for Policy Development**
- **National Oceanographic and Atmospheric Administration**  
**Donald Collins, Principal Investigator for the National Environmental Satellite, Data, and Information Service of the National Oceanographic Data Center**
- **Information Policy across 12 Agencies**  
**Ellen Herbst, DOC, Sr. Advisor to the Deputy Secretary of the Department of Commerce, and Chair of CENDI**

**3:00-3:30 PANEL DISCUSSION**

- Presenters form a panel for cross cutting discussion

**3:30-3:45 CHARGE TO BREAKOUT SESSIONS**

- Description of different types of users and charge to breakout groups
  - Researchers (use data for conducting scientific research; end product – publications, derived data products, and/or models)
  - Science Managers (fund and manage scientific research – e.g., Program Managers in NSF, NASA, etc.)
  - Operational Users (use data on a regular basis in operations. E.g., fire fighting, weather forecasting, air quality assessment, crop assessment, topographic mapping)
  - Policy Analysts (use data for making policies – e.g., cap-and-trade, etc.)

**CHARGE 1:** Based on an outline of suggested elements, the group is to 1) ensure the outline accounts for the best practices that should be addressed; 2) draft content for these best practices from the perspective of their communities of practice so that the policy would apply at any science agency; and 3) create a list of issues the group perceives as impediments to implementation of the policy across agencies, and suggest solutions to them.

**3:45-5:15 BREAKOUT SESSIONS BEGIN**

Recommendations for Data Policies - (3 hours total, begin Day 1, end morning of Day 2)

## **DAY 2: June 30, 2010**

**9:00-10:30 CONTINUE DATA POLICIES BREAKOUT GROUP DISCUSSIONS**

**10:30-10:45 BREAK**

**10:45-11:45 REPORT TO PLENARY FROM DATA POLICY BREAKOUTS**

**11:45-1:00 CHARGE TO BREAKOUT SESSIONS & BEGIN DISCUSSIONS**

Recommendations for Data Management Plan Elements - (3 hours total, continued after lunch)

- Researchers
- Science Managers
- Operational Users
- Policy Analysts

**CHARGE 2:** Based on the preliminary list of elements for a data management plan that will be provided, the group is to 1) ensure the outline accounts for all the elements that should be addressed; 2) develop descriptions of the elements from the perspective of their communities of practice such that any agency could develop its data management plans based on this outline; and 3) create a list of issues the group perceives as impediments to implementation of the elements of the plan at their agencies, or within their communities of practice and suggest solutions to them.

**WORKING LUNCH PROVIDED**

**1:30-3:30 CONTINUE DATA MANAGEMENT PLAN BREAKOUT GROUP DISCUSSIONS**

**3:30-3:45 BREAK**

**3:45-4:45 REPORT TO PLENARY FROM DATA MANAGEMENT PLANS BREAKOUTS**



## DAY 3: July 1, 2010

### 9:00-10:00 CLOSING PLENARY

- Panel of Reactors to Breakout Group Recommendations  
**Representatives of the sponsoring organizations:**
  - **Chris Greer**, *Assistant Director, Information Technology R&D for the White House Office of Science and Technology Policy, and Co-chair of the NSTC Interagency Group on Digital Data*
  - **Ellen Herbst**, *DOC, Senior Advisor to the Deputy Secretary of the Department of Commerce, and Chair of CENDI*
  - **Dr. Jerry Blancato**, *EPA Office of Research and Development, Director, Office of Administration and Research Support*

### 10:00-12:00 FINAL GENERAL DISCUSSION

- Formulation of Recommendations and Action Plan

### 12:00 CLOSE OF MEETING

### 12:00-4:00 DRAFTING THE WORKSHOP REPORT, Volunteers Welcome

### PRODUCT OF THE WORKSHOP

- Report to the sponsors with a set of recommendations on best practices for data management policies and plans.