



Highlights of Accomplishments & Impacts FY 11



Thought/Policy Leadership

- **Leaders meet with CENDI with focus on Grand Challenge**
 - Chris Greer, George Strawn, Ellen Herbst
- **CENDI plays a leading role in interagency scientific data management planning**
 - Publication of “Harnessing the Power of Digital Data: Taking the Next Step” (CENDI/2011-1; EPA/600/R-11/053)
- **Policy WG keeps members informed**
 - Tracking *America Competes Act* as high profile legislation
 - Updates on Open Access and Berlin Declaration
 - Controlled Unclassified Information
 - Digital Object Identifiers
 - NSB Task Group on Scientific Data
 - International CODATA Task Group on Data Citation
- **CENDI Copyright WG provides interagency focus on Intellectual Property Rights**



Informative Presentations & Interactions

- **Technical Meeting Programs and Speakers**

- Introduction to the Semantic Web: The Basics that an STI Manager Should Know – *Dr. George Strawn, NITRD*
- Semantic Medline: A Proof of Concept – *Dr. Tom Rindflesch, NLM*
- Report of the CENDI-IWGDD-EPA Workshop on SDM – *Dr. Robert Shepanek, EPA, & Bonnie Carroll, CENDI Secretariat*
- National Science Board Task Force on Data Policies – *Dr. Philip Bogden, NSF*
- NAS NRC Board of Research and Data Information: Activities and Plans – *Dr. Roberta Balstad, BRDI*
- The National Digital Stewardship Alliance: Community, Content, Commitment – *Martha Anderson, Office of Strategic Initiatives, LoC*
- The Smithsonian Institution: A Technology Overview – *Carmen Iannacone, Smithsonian Institution*
- Interaction of Big Data and Technology in NITRD Initiatives: Where Should R&D be Taking Us? – *Wendy Wigen, NITRD*
- Technology Transfer from Science, to Innovation, to Jobs: The Federal Laboratory Consortium and Interagency Cooperation – *Paul Zielinski, NIST*
- Citizen-driven Innovation through Open Data – *Jeanne Holm, General Services Administration*

- **Agency Showcases**

- GPO, DOT, USGS



Sharing Information – Task Groups and Information Exchanges

- **Digitization Specifications**
 - “Best seller” workshop series - mail group >700
- **Personally Identifiable Information**
 - Policies and algorithms exchanged
- **Institutional Repositories**
 - Comparison matrix developed
- **Automated Extraction/Generation of Metadata**
 - Document operational practices & research in agencies
- **Data Citation and Globally Unique Identifiers**
 - August workshop in connection with DataCite



COPs Partner with CEN DI – 586 Cooperating Organizations

- New Grand Challenge Partners: NITRD and NIST Technology Transfer
- NSTC organizations ~ IWGDD TAG
- NAS/NRC BRDI/CODATA – Continuing liaison
- ICSTI ~ Cooperative communication; participation at mobile workshop
- NFAIS ~ Continued successful workshop series
 - 100 professionals from 44 organizations attended
- ARL; SPARC ~ continuing policy information exchange, Berlin Declaration meeting in US
- CNI ~ Continuing strategic planning information exchange
- OCG Forum ~ Active participation with Copyright WG
- FLICC Preservation and Digitization WG and Federal Agencies
- Digitization Guidelines Initiative cooperation on successful workshops
- National Digital Strategies Advisory Board, WG on Digitization Specifications



Improved Content and Technology Set to Support Grand Challenge

- **Image search now federates search of 5 photo libraries**
- **Science-in-the-News federates 11 agency news feeds**
- **Site Map project improves deep access by search engines**
- **Widget allows Science.gov to complement local/personal web pages**
- **Continues as largest contributor to Worldwidescience.org**
- **Mobile site to be completed in FY11**
- **Software upgrade improves platform's performance and admin**

Success Noted!

- **TN Chamber of Commerce and Industry printed full page about Science.gov. Reports it makes staffer's job much easier.**
- **Also mentioned in D-Lib Magazine, ResourceShelf, InfoToday, TaxoDiary, and eHow**



Keys to Success

- **Provides the “go to” forum where the Senior Federal Leadership in STI can be addressed**
 - Provides a unique pool of knowledge and resources
- **Creates outstanding products where the needs of one or two key agencies align with what others are interested in doing AND there is a champion agency**
 - EPA for the SDM workshop
 - DOE/OSTI for Science.gov
 - DTIC for Copyright

In all these cases, there was one agency force at work.

- **Offers targeted and cost effective learning and networking experiences on topics of interest to this COP**
 - Peer to peer among STI Executives at regular meetings
 - CENDI/NFAIS Workshops
 - Digitization Specification Workshop Series



CENDI Meritorious Awards

2011



Sharon Jordan, Assistant Director for Program Integration at DOE's Office of Scientific and Technical Information and DOE-OSTI CENDI Alternate, received the 2011 CENDI Meritorious Award for her long-standing history of service and support of CENDI and, in particular, for developing and promoting CENDI's premier flagship project, Science.gov.



Acronyms

ARL – Association of Research Libraries
BRDI – Board on Research and Data Information
CNI – Coalition for Networked Information
CODATA – Committee on Data
COPs – Committees of Practice
DHS – Department of Homeland Security
EPA – Environmental Protection Agency
FADGI – Federal Agencies Digitization Guidelines Initiative
FAQ – Frequently Asked Questions
FRPAA -- Federal Research Public Access Act
FLICC -- Federal Library and Information Center Committee
ICSTI – International Council for Scientific and Technical Information
IEEE – Institute of Electrical and Electronics Engineers
IWGDD -- Interagency Working Group on Digital Data
NAS -- National Academies of Science
NFAIS – National Federation of Advanced Information Services
NIST – National Institute of Standards and Technology

NITRD -- Networking and Information Technology Research and Development
NKOS -- Networked Knowledge Organization Systems
NLM – National Library of Medicine
NSB – National Science Board
NSTC – National Science and Technology Council
OMB – Office of Management and Budget
OSTI – Office of Scientific and Technical Information
OSTP – Office of Science and Technical Policy
RSS – Rich Site Summary
SKOS – Simple Knowledge Organization Systems
SDM – Scientific Data Management
SPARC -- Scholarly Publishing and Academic Resources Coalition
STEM -- Science, Technology, Engineering, and Mathematics [Education]
STI – Science and Technology Information
TAG – Technical Advisory Group