NSDL Annual meeting
October 12-15
Washington, DC

Sharing Our Stories:
Sustaining Collaborations

2003

The National Science Digital Library
PO Box 3000 • Boulder, Colorado 80307-3000
Tel: 303 497 2940 • nsdl.org
Sharing Our Stories: Sustaining Collaborations

On behalf of the planning committee, I welcome you to the 2003 NSDL Annual Meeting.

Our goal in planning this meeting was to bring together people interested in digital libraries, from within the NSDL community as well as other communities, who will offer a wide variety of knowledge, experiences, and visions. The Monday sessions are designed to stimulate a collective conversation among the NSDL community and our colleagues who share a commitment to digital libraries as major education and community resources. The Tuesday and Wednesday sessions follow the themes of Building Collections, Deployment and Continuity, Services Development, and User-Centered Design. These themes evolved from the comments that were received from last year’s meeting survey as well as the work being done in the standing committees.

We hope this meeting provides a rich environment in which to share experiences as well as establish new relationships. Thanks so much for participating!

—Kimberly S. Lightle, Planning Committee Chair

Acknowledgements

NSDL would like to thank the National Science Foundation for its generous support and advocacy of NSDL as the NSF digital library of science education.

2003 Planning Committee

Kimberly S. Lightle Planning Committee Chair
Sarah Giersch Educational Impact and Evaluation Standing Committee
Marcia Mardis Community Services Standing Committee
Dave McArthur Sustainability Standing Committee
Mike Wright Technology Standing Committee
Ellen Hoffman Policy Committee
Kaye Howe Core Integration
Casey Jones Core Integration
Donna Cummings Core Integration
Alex Chaux Core Integration
Susan Van Gundy Core Integration
Sunday, October 12, 2003

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<td>12:00 PM</td>
<td>Federal A</td>
<td>New Projects’ Lunch</td>
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<td>01:30 PM</td>
<td>Federal AB</td>
<td>New Projects’ Orientation</td>
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<td>01:30 PM</td>
<td>Congressional-Senate</td>
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Monday, October 13, 2003

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<tr>
<td>09:00 AM</td>
<td>Presidential Ballroom</td>
<td>Opening Keynote — Medusa Tamed: Endurance in Time and Education</td>
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<td>10:15 AM</td>
<td>Presidential Ballroom</td>
<td>Digital Libraries and the Intellectual and Economic Universe</td>
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<td>01:00 PM</td>
<td>Presidential Ballroom</td>
<td>Technology, Scalability and Metadata (or Not): Research Challenges for Digital Libraries</td>
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<td>02:45 PM</td>
<td>Presidential Ballroom</td>
<td>Content and Context: Digital Libraries and Education</td>
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<td>04:30 PM</td>
<td>Presidential Ballroom</td>
<td>Implications of Today's Conversations for NSDL: A Summary</td>
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Tuesday, October 14, 2003

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<tr>
<td>08:30 AM</td>
<td>Presidential Ballroom</td>
<td>NSDL Update</td>
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<tr>
<td>11:00 AM</td>
<td>New York</td>
<td>Evaluating the Content of Your Collection</td>
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<tr>
<td>11:00 AM</td>
<td>Statler AB</td>
<td>Introduction to Metadata</td>
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<td>11:00 AM</td>
<td>South American A</td>
<td>Building Community in Digital Libraries: User Involvement</td>
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<td>11:00 AM</td>
<td>Federal B</td>
<td>Intellectual Property Rights and Digital Rights Management</td>
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<td>11:00 AM</td>
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<td>Sustainability I: The Projects</td>
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<td>11:00 AM</td>
<td>Pan American</td>
<td>Information Retrieval: From Databases to Search Engines</td>
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<td>11:00 AM</td>
<td>South American B</td>
<td>Digital Library Requirements: Evaluating System Design and Use</td>
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<td>02:00 PM</td>
<td>California</td>
<td>Implementation of Metadata Standards by Different NSDL-funded Collections</td>
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<td>02:00 PM</td>
<td>New York</td>
<td>Managing the Content of Your Collection: Content Development, Cataloging, and Archiving</td>
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<td>02:00 PM</td>
<td>South American A</td>
<td>Collaborative Projects in NSDL: Institutionalized Collaboration</td>
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<td>02:00 PM</td>
<td>Federal A</td>
<td>Sustainability II: NSDL</td>
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<td>02:00 PM</td>
<td>Federal B</td>
<td>Providing and Using Scientific Data Through NSDL</td>
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<td>02:00 PM</td>
<td>Statler AB</td>
<td>NSDL and the Open Archives Initiative</td>
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<td>02:00 PM</td>
<td>Pan American</td>
<td>Registration and User Profiles</td>
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<td>02:00 PM</td>
<td>South American B</td>
<td>Techniques for Formative Evaluation</td>
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<td>04:00 PM</td>
<td>Various</td>
<td>Birds of a Feather</td>
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Wednesday, October 15, 2003

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<tr>
<td>09:00 AM</td>
<td>Statler AB</td>
<td>Innovative Metadata Development and Implementation</td>
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<tr>
<td>09:00 AM</td>
<td>South American A</td>
<td>Collaboration in NSDL: Ad Hoc Collaboration</td>
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<td>09:00 AM</td>
<td>Federal A</td>
<td>Spreading the Word: Outreach and Dissemination Strategies</td>
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<td>09:00 AM</td>
<td>Pan American</td>
<td>NSDL Services Interoperability and Web Services</td>
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<td>09:00 AM</td>
<td>South American B</td>
<td>Evaluating Digital Libraries on Many Levels: Library Use, User Needs, Accessibility Issues, and Educational Impact</td>
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<tr>
<td>09:00 AM</td>
<td>Federal B</td>
<td>Designing for Re-Use and Accessibility</td>
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<td>11:00 AM</td>
<td>Presidential Ballroom</td>
<td>NSDL Summary</td>
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<td>12:30 PM</td>
<td>Various</td>
<td>Informational Meetings</td>
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<td>02:30 PM</td>
<td>South American A</td>
<td>Community Services Committee</td>
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<td>02:30 PM</td>
<td>South American B</td>
<td>Content Committee</td>
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<td>02:30 PM</td>
<td>Federal B</td>
<td>Educational Impact &amp; Evaluation Committee</td>
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<td>Sustainability Committee</td>
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<td>02:30 PM</td>
<td>Statler AB</td>
<td>Technology Committee</td>
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What You Need to Know

Collaboration Finder
Please take advantage of the computer workstations available in the Poster Room to enter or update details about your NSDL project in the Collaboration Finder, or to search for information about other projects. **Those who do will be rewarded with chocolate.** See the Meeting Registration/Help Desk for further details.

Poster Room
The Congressional and Senate rooms will be open for viewing posters and networking with colleagues throughout the meeting (see schedule inside back cover). Continental breakfast, small meeting tables, and computer terminals with Internet access will also be available in the Poster Room.

Swikis
To facilitate the NSDL community's ability to continue discussions, networking, and brainstorming after the annual meeting, each breakout session will contribute notes to a shared, editable online forum known as a swiki. Swikis will be accessible at [http://swiki.dlese.org/nsdl2003](http://swiki.dlese.org/nsdl2003) during the meeting, and indefinitely afterward, for any participant to add comments or pose questions. Thanks to our colleagues at the Digital Library for Earth System Education (DLESE) for making swikis possible for this meeting.

Birds of a Feather Sessions
These sessions are an opportunity for discussion and idea sharing around specific topics suggested by the community. Anyone can propose a new session or review the currently proposed sessions posted at the Meeting Registration/Help Desk in the Upper Lobby. All sessions are open for any interested person to attend.

Identifying Meeting Staff
Planning Committee members can be identified by their brightly-colored name badge lanyards or t-shirts. Please feel free to call upon these colleagues to assist you with meeting related needs. Staff will also be available at the Meeting Registration/Help desk during meeting hours (see schedule inside back cover).

Extra Meeting Rooms
Venues for ad hoc or project discussions are available on a first-come, first-served basis throughout the meeting. If you are interested in scheduling a meeting room, please contact staff at the Meeting Registration/Help Desk.

Photo Release
Print and broadcast media may be present at workshop and poster sessions events. In addition, CI staff will be taking photographs for future NSDL publications. If you prefer not to have your image captured for these purposes, please obtain a sticker for your badge from the Meeting Reception/Help Desk. It will be assumed that any meeting participant not identifying themselves in this manner is granting permission for their image to be used for NSDL promotional purposes.

Guide to NSDL Acronyms

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<tr>
<th>Acronym</th>
<th>Description</th>
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<td>DL</td>
<td>Digital Library</td>
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<tr>
<td>NVC</td>
<td>NSDL National Visiting Committee</td>
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<td>PC</td>
<td>Policy Committee</td>
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<td>SC</td>
<td>Standing Committee</td>
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<td>CI</td>
<td>Core Integration</td>
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<tr>
<td>STEM</td>
<td>Science, Technology, Engineering, and Mathematics</td>
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<td>MR</td>
<td>Metadata Repository</td>
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<td>OAI</td>
<td>Open Archives Initiative</td>
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<td>DC</td>
<td>Dublin Core</td>
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NSDL Leadership

National Science Foundation
NSDL is the National Science Foundation’s science education digital library.
Lee Zia, Program Officer

National Visiting Committee (NVC)
The National Visiting Committee is appointed by NSF to advise the CI team on high-level strategic and operational issues and to raise the visibility of NSDL in the external community.
Diana Oblinger, Chair
Martin Blume
Wade Ellis
Ira Fuchs
Sandra Glass
William E. Kirwan
Peter Lyman
Tom Moritz
Alfred Moyé
Thomas Reeves
Linda Roberts
Bernard Rous
Abby Smith
Gerald Wheeler

Core Integration (CI)
The CI team provides day-to-day management of NSDL and is responsible for engaging the community, providing technology, and operating core services.

Principal Investigators:
Dave Fulker, University Corporation for Atmospheric Research, Executive Director
Bill Arms, Cornell University
Kate Wittenberg, Columbia University

Policy Committee (PC)
The Policy Committee advises the CI team, other NSF grantees, and NSF on operational strategies and implementation priorities. The Policy Committee acts on behalf of the NSDL Assembly (which consists of all principal investigators for NSF NSDL grants) to work with NSF and the CI team in coordinating the activities of the standing committees, task forces and other aspects of the NSDL community. http://policy.comm.nsdl.org
Howard Burrows, Chair
Katherine Hanson, Co-Chair
Edward Fox
Ellen Hoffman
Yolanda Scott George
Gerard Hanley
Flora McMartin
William Mischo
Jeannie Narum
Len Simuts
Stuart Sutton
Sebastian Uijtdehaage
Vivian Lee Ward

Standing Committees

Community Services
The activities of this committee assist NSDL users and learners in defining services, processes and standards that NSDL can use to increase the impact, reach, and efficiency of the library. http://commserv.comm.nsdl.org
Marcia Mardis, Chair
Amy Chang, Co-Chair

Content
This committee recommends and implements policies to ensure that NSDL content is high quality, is appropriate and consistent, has technical integrity, and is accessible for use by global audiences of learners at all levels. http://content.comm.nsdl.org
Kimberly Lightle, Chair
Sarita Nair, Co-Chair

Educational Impact and Evaluation
This committee ensures that participatory and stakeholder evaluation principles are integrated into the design, development, and implementation of NSDL. http://eduimpact.comm.nsdl.org
Tamara Sumner, Chair
Sarah Giersch, Co-Chair

Sustainability
This committee exists to facilitate the development of an NSDL entity that will continue to thrive in the long term through collective action and diversified funding streams. http://sustain.comm.nsdl.org
Dave McArthur, Chair
Paul Berkman, Co-Chair

Technology
This committee identifies community technical needs and the means to translate those needs into deployable technology including recommendations for technical standards and the technical integration of resources and services into NSDL architecture. http://technology.comm.nsdl.org
Timothy Cole, Chair
12:00 pm – 1:30 pm Federal A
New Projects’ Luncheon (Pre-registration Required)
The newest members of the NSDL community will have the opportunity to dine with colleagues from other NSDL projects, advisory and standing committees, and CI.

1:30 pm – 4:30 pm Federal AB
New Projects’ Orientation (Pre-registration required)
Investigators from newly funded projects will be welcomed into NSDL and introduced to the basics of our community structure, technical frameworks, and project support systems. The session will also provide an overview of the Annual Meeting with suggestions for maximizing the benefits of the meeting’s sessions, networking opportunities, and poster session.

1:30 pm – 4:30 pm Congressional/Senate Rooms
Poster Set-Up

6:00 pm – 8:00 pm Congressional/Senate Rooms
Poster Reception
The NSDL community and its invited guests will gather to celebrate collaboration and share the achievements of the Library as told through posters and demonstrations. This event will include light hors d’oeuvres and a cash bar.
Perseus has gone well beyond print and has become one of the most successful and well used digital libraries. Gregory Crane is a man whose honors and recognition span the distance from the Lowell Prize for Excellence in Greek in 1977 to the 2001 Vannevar Bush Award for Best Paper at JCDL. He has much to tell about the ways in which digital libraries are the cognitive tools of the educational and intellectual world.

10:15 am – 11:30 am  Presidential Ballroom
Digital Libraries and the Intellectual and Economic Universe
Michael Lesk, Rutgers – The State University of New Jersey
Joyce Ray, Institute of Museum and Library Services
Publishing Community Representative to be announced
Moderator: Dave McArthur, NSDL Sustainability Committee

11:30 am – 1:00 pm  Lunch on Your Own

1:00 pm – 2:15 pm  Presidential Ballroom
Technology, Scalability, and Metadata (or Not): Research Challenges for Digital Libraries
Carl Lagoze, Cornell University
Clifford Lynch, Coalition for Networked Information
William Mischo, University of Illinois at Champaign-Urbana
Moderator: Gerry Hanley, NSDL Policy Committee

2:45 pm – 4:00 pm  Presidential Ballroom
Content and Context: Digital Libraries and Education
Tom Reeves, University of Georgia
Len Simutis, Eisenhower National Clearinghouse
Moderator: Alfred Moyé, NSDL National Visiting Committee

4:30 pm – 5:30 pm  Presidential Ballroom
Implications of Today’s Conversations for NSDL: A Summary
Abby Smith, Council of Library and Information Resources
Community Discussion
Please note that session moderators are indicated in bold text.

7:30 am – 9:00 am  Congressional/Senate Rooms  
Continental Breakfast

8:30 am – 10:30 am  General Interest | Presidential Ballroom  
NSDL Update

Lee Zia, National Science Foundation  
Dave Fulker, Core Integration  
Howard Burrows, Policy Committee  
Katherine Hanson, Policy Committee  
Moderator: Kaye Howe, Core Integration

This general session will serve as a briefing on the latest activities and accomplishments of the NSDL community at-large, as well as standing committees, the Policy Committee, the National Visiting Committee, Core Integration, and the National Science Foundation. Speakers will include representatives from each of these entities. This status report will also include an overview of upcoming projects and strategies to facilitate future growth and sustainability. Questions and group discussion are encouraged.

11:00 am – 12:30 pm  Building Collections | New York  
Evaluating the Content of Your Collection

John Saylor, Cornell University  
Paul A. Craig, American Society for Biochemistry and Molecular Biology  
Sebastian Uijtdehaage, University of California at Los Angeles  
Siva Kumari, Rice University  
Frank Settle, Washington and Lee University

Collection Development Policies that direct the work of Core Integration as well as individual collections will be shared. An overview of the research on users’ needs and digital libraries as well as ideas on how to track use of your library will also be shared. Examples of online surveys and how to hold focus groups will be shared.

11:00 am – 12:30 pm  Building Collections | Statler AB  
Introduction to Metadata

Vivian Lee Ward, National Health Museum  
Diane Hillman, Cornell University  
Judy Ridgway, ENC / The Ohio State University  
Marcia Zeng, Kent State University  
John Marquis, University of Southern California

The following questions will be answered: What is metadata and why is it valuable? How do the various standards (Dublin Core, IEEE LOM, SCORM, and DOI for example) relate to one another? What metadata standard will best describe your collection? What are the challenges and hurdles to avoid and overcome? What is the relationship between metadata and searching your collection? What is the relationship between metadata and your catalog record display? What is OAI and what are the minimal metadata elements that make your collection harvestable in a meaningful way by NSDL.org?
11:00 am – 12:30 pm Deployment and Continuity | South American A
Building Community in Digital Libraries: User Involvement
Don Sadoway, Massachusetts Institute of Technology
Wes Shumar, Drexel University
Bruce Mason, American Association of Physics Teachers
Daniel Zeng, University of Arizona
Nancy Lane, Pacific Resources for Education and Learning

This panel session will include speakers who will discuss their initial expectations for gaining a project user base, their methods for cultivating users, and their approaches to retaining users. Panelists will also discuss ways in which they measure their impact on user communities and how well their projects meet user needs.

11:00 am – 12:30 pm Deployment and Continuity | Federal B
Intellectual Property Rights and Digital Rights Management
Kate Wittenberg, Columbia University
David Millman, Columbia University
Robby Robson, Eduworks Corporation

Participants will receive an overview of intellectual property rights issues and NSDL’s digital rights management technologies, together with a hands-on discussion of how to apply them in their own projects and collections.

11:00 am – 12:30 pm Deployment and Continuity | Federal A
Sustainability I: The Projects
Dave McArthur, North Carolina Central University
Muniram Buhdu, University of Arizona
Lillian Cassel, Villanova University
Jon Holmes, University of Wisconsin
Christopher Klaus, Argonne National Laboratory

A brief introduction framing the issues will be followed by a panel discussion with representatives of diverse projects that have demonstrated some progress on their sustainability plans. An open question period will follow, where other projects and participants can share ideas.

11:00 am – 12:30 pm Services Development | Pan American
Information Retrieval: From Databases to Search Engines
Ed Fox, Virginia Polytechnic Institute and State University
James Allan, University of Massachusetts at Amherst
Paul Berkman, The New Media Studio / EvResearch LTD
Elizabeth Liddy, Syracuse University
Dean Zollman, Kansas State University

The session will involve a mix of presentations on some current implementations at both the core NSDL level and individual projects. These presentations will provide a basis for questions and discussion on the types of the technical approaches being used for particular needs.

11:00 am – 12:30 pm User-Centered Design | South American B
Digital Library Requirements: Evaluating System Design and Use
Elizabeth Liddy, Syracuse University
Marcia Mardis, University of Michigan
Bing Pan, Cornell University

User-Centered Design (UCD) is a methodology that focuses on user needs and goals when designing a system. User needs and goals affect the design of back-end system elements (hardware and software) as well as front-end elements such as the placement of information for accessibility and functionality. Evaluation methods used to analyze system requirements are similar to those analyzing the use of digital libraries because both are concerned with what users are doing or might do with the system.

12:30 pm – 2:00 pm Lunch on Your Own
2:00 pm – 3:30 pm Building Collections | California
Implementation of Metadata Standards by Different NSDL-Funded Collections
Stuart Sutton, University of Washington
Grace Agnew, Rutgers University
Karon Kelly, University Corporation for Atmospheric Research
Kim Lightle, ENC / The Ohio State University

Questions for panelists: What metadata standard did you choose and why? What modifications have you made to your chosen standard? What are the costs, software, timelines, and manpower associated with creating digital libraries using the standard?

2:00 pm – 3:30 pm Building Collections | New York
Managing the Content of Your Collection: Content Development, Cataloging, and Archiving
Janet Kahkonen Smith, ENC / The Ohio State University
Karen Cariani, WGBH
Elizabeth R. Blackmer, Washington and Lee University
Edward Almasy, University of Wisconsin
Paul Berkman, The New Media Studio / EvREsearch LTD
Andrew Chase, San Diego Supercomputer Center
Stephen Miller, Scripps Institution of Oceanography

Collection builders will talk about the decisions that they made as they built their collections and the reasons behind the choices that were made. Examples to be shared include collection development policies, content management systems, indexing guidelines, archiving policies, and much more.

2:00 pm – 3:30 pm Deployment and Continuity | South American A
Collaborative Projects in NSDL: Institutionalized Collaboration
Bryan Aivazian, Natrona County School District
Tamara Ledley, TERC
Gerry Hanley, MERLOT / California State University
Mark Benthien, University of Southern California

Members of the projects defined at “Collaborative Projects” will discuss the reasoning behind their decisions to submit projects with the NSF status of “collaborative” as well as the success of the results of these decisions. This session will include an overview of the “collaborative” status and its implementation aspects as well as explore the advantages to and challenges inherent in institutionalized collaboration.

2:00 pm – 3:30 pm Deployment and Continuity | Federal A
Sustainability II: NSDL
Sarah Giersch, Consultant
Ed Fox, Virginia Polytechnic Institute and State University
Reagan Moore, San Diego Supercomputer Center
Dave McArthur, North Carolina Central University

The panel will include presentations on technical as well as business models for the NSDL, drawing lessons from existing large-scale successful digital enterprises and attempting to apply them to the NSDL. These relatively tactical talks will be complemented by more strategic ones that attempt to define what the NSDL is or will be (e.g., primarily a collection or collections vs. a tightly integrated set of collections complemented by many value-added community services?), and how these options relate to the models presented in the breakout. This will provide a background for the roundtable discussions which follow.
New technologies are facilitating unprecedented access to and techniques for interpreting complex datasets, as well as data sharing across disciplines and beyond traditional communities of scientific researchers. Authentic inquiry-driven experiences are being increasingly proven to have positive impact in K-12 and undergraduate education, stimulating a demand for data resources that are engaging and easy to use for non-technical audiences. This session will explore multiple aspects of providing and accessing data through NSDL including technical challenges, evidence from classroom use, new visualization tools, and discussion about how NSDL can best support the differing needs of researchers and educators.

The session will provide an overview of the NSDL access management system, and provide guidance on how to approach integrating the system into services developed by projects. Some of the highlights and problems that groups have already faced with integrating will be shared with participants.

The session will present key details of how the OAI-PMH works as a protocol, how it fits into the NSDL infrastructure, and some guidance on generic OAI-PMH 2.0 metadata provider implementations currently available. Presentations will elaborate on the OAI’s “Implementation Guidelines for OAI-PMH,” will discuss common questions and problems that arise when first implementing OAI-PMH for NSDL, and will talk about some of the metadata authoring and workflow issues that must be addressed when implementing OAI-PMH for NSDL. The session will provide a venue for answering questions related to OAI-PMH implementation and use. There will also be information on what the core Metadata Repository desires from an OAI-PMH implementation, and why.

User-Centered Design (UCD) is a methodology that focuses on user needs and goals when designing a system. Using UCD techniques for formative evaluation can help to assure that the system allows users to achieve their goals. Formative evaluation techniques assess the effectiveness of websites, resources, and services. Additionally, user interface design techniques and evaluative methods are important considerations for formative evaluation. Examples of Formative Evaluation techniques are cognitive walkthroughs, formal user testing with think-aloud protocol, and the Tullis method. Process evaluation will also be discussed with respect to the methodologies used and their effectiveness.

These sessions are an opportunity for discussion and idea sharing around specific topics suggested by the community. Anyone can propose a new session or review the currently proposed sessions posted at the NSDL Reception/Help Desk in the Upper Lobby. All sessions are open for any interested person to attend.
Please note that session moderators are indicated in bolded text.

7:30 am – 9:00 am  Congressional/Senate Rooms
Continental Breakfast

9:00 am – 10:30 am  Building Collections | Statler AB
Innovative Metadata Development and Implementation
Sharon Dennis, University of Utah
Faisal Ahmad, University of Colorado at Boulder
Anne Diekema, Syracuse University
Darin Burleigh, Journal of Chemical Education
Kristen Catlin, American Society for Microbiology
Daniel Zeng, University of Arizona

Panelists will describe their experiences in the keyword review process, developing metadata standards to fit new kinds of digital content, developing controlled vocabulary lists based on content standards and themes, and the use of a machine learning approach to assigning metadata.

9:00 am – 10:30 am  Deployment and Continuity | South American A
Collaboration in NSDL: Ad Hoc Collaboration
Brandon Muramatsu, California State University
Cathy Manda, Carleton College
Rob Stephenson, Wayne State University
Dave Yaron, Carnegie Mellon University

This session will focus on tools that support the interaction of the development community, as well as other communities. Representatives from the NSDL Developers’ Portal and the Collaboration Finder will discuss their processes for defining user needs, building responsive environments, encouraging the use of these environments, and measuring their impact.

9:00 am – 10:30 am  Deployment and Continuity | Federal A
Spreading the Word: Outreach and Dissemination Strategies
Susan Van Gundy, University Corporation for Atmospheric Research
Rajul Pandya, University Corporation for Atmospheric Research
Christopher Klaus, Argonne National Laboratory
Sarita Nair, Education Development Center, Inc.

This session will address strategies for building NSDL awareness at multiple levels within a variety of communities. Participants will be introduced to a set of presentation resources designed to integrate information about NSDL into formal and informal talks for different audiences. The session will also include brainstorming about collaborative outreach actions for the future, as well as idea sharing and discussion about participants’ previous outreach and dissemination experiences.

9:00 am – 10:30 am  Services Development | Pan American
NSDL Service Interoperability and Web Services
Bill Mischo, University of Illinois at Champaign-Urbana
Dean Krafft, Cornell University
Kurt Maly, Old Dominion University
Michael Bieber, New Jersey Institute of Technology
Ed Fox, Virginia Polytechnic Institute and State University

The session will provide a forum to discuss the types of services and protocols that are being developed or used in the NSDL, relate these to the growing web-services community, and discuss the needs of services characterization and discovery. The session will include some short presentations of some current service implementations to stimulate the discussion.
9:00 am – 10:30 am  User-Centered Design | South American B
Evaluating Digital Libraries on Many Levels: Library Use, User Needs, Accessibility Issues and Educational Impact

Susan Musante, American Society for Microbiology
Lillian Cassel, Villanova University
Andrew Kirkpatrick, WGBH
Chris Neuhaus, University of Northern Iowa
K. Ann Renninger, Swarthmore College

As digital libraries have evolved, so have the metrics, tools and reasons for performing evaluations. A number of NSDL projects have begun to evaluate facets of their digital libraries using log analysis tools to track activity; or, they have combined structured interviews with online questionnaires to learn more about users’ needs and preferences. One project is looking at ways to make all of NSDL more accessible to users or developers with disabilities. Co-presenters and attendees will share their experiences, learn about the theories underpinning current evaluation efforts, discuss how to use evaluation results and identify potential collaborators or mentors.

9:00 am – 10:30 am  User-Centered Design | Federal B
Designing for Re-Use and Accessibility

Robby Robson, Eduworks Corporation
Bruce Caron, New Media Studio
Deborah Knox, The College of New Jersey
Mimi Recker, Utah State University
Ted Sicker, WGBH

An important but as yet unfilled promise of digital repositories of learning resources is that they will enable instructors and learners to find and use existing learning resource, thereby improving instructor productivity and instructional quality. Reuse can also help foster communities of practitioners, who develop and share best practices. Designing, or retrofitting, resources that adhere to accessibility guidelines are also key to their reuse. This session will examine the potentials of and barriers to reuse of learning resources. As appropriate, we will draw upon existing literature and participant expertise to discuss issues such as resource granularity, resource design, standards, and pedagogy. Participants will be asked to bring examples of learning resources that have been successfully reused in different instructional contexts.

11:00 am – 12:30 pm  General Interest | Presidential Ballroom
NSDL Summary

Moderator: Kim Lightle, ENC/The Ohio State University

The meeting’s closing session will review the discussions, conclusions, ideas, and questions generated during Monday’s philosophical explorations and Tuesday’s and Wednesday’s break-out sessions. The assembled group will then use elements of the progress achieved over the three days to frame next steps for the NSDL community.

12:30 pm – 2:30 pm  Lunch on Your Own

12:30 pm – 5:00 pm  Informal Meetings

Meeting Rooms are available during this time for informal, ad hoc, or project group meetings. Please visit the NSDL Meeting Registration/Help Desk for a posted list of meetings or to sign up for a room.

2:30 pm – 5:00 pm  Committee Meetings

NSDL standing committees provide a forum for discussion and participatory decision-making regarding issues that are relevant to all individual projects and the Library as a whole. All community members are encouraged to attend committee meetings. Previous involvement with a committee is not required.

Community Services  South American A
Content  South American B
Educational Impact and Evaluation  Federal B
Sustainability  Federal A
Technology  Statler AB
Notes
Quick Reference

Hotel Front Desk 202-393-1000
Hotel Fax 202-639-5784

Meeting Registration/Help Desk Hours
Staffed by members of the Annual Meeting planning committee

Sunday 11:00 am to 6:30 pm (Upper Lobby)
Monday 7:30 am to 5:30 pm
Tuesday 7:30 am to 5:30 pm
Wednesday 7:30 am to 1:00 pm

Poster Room Hours
Sunday 1:30 am to 8:00 pm
Monday 7:30 am to 7:00 pm
Tuesday 7:30 am to 7:00 pm
Wednesday 7:30 am to 1:00 pm

Internet Access
Computer workstations are located in the Poster Room (Congressional-Senate). Please limit your use to 15 minutes as a courtesy to others that may be waiting.

Extra Meeting Rooms
Schedule at Meeting Registration/Help Desk

Swiki URL
http://swiki.dlese.org/nsdl2003