Coalition for Networked Information
Fall 2013 Membership Meeting
December 9-10, 2013
Washington, DC

#cni13f

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News: www.cni.org/news/
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<tr>
<th>Time</th>
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| **3:30 p.m.** | **Executive Roundtable** *(South American)*  
 prior registration only |
| **8:30 a.m.** | **Executive Roundtable** *(Ohio)*  
 prior registration only |
| **11:00 a.m.** | **Registration Opens**  
 *(Foyer I)* |
| **11:30 a.m.** | **Orientation for First-Time Attendees**  
 *(Senate)* |
| **12:15 p.m.** | **Break**  
 *(Foyer I)* |
| **1:15 p.m.** | **OPENING PLENARY SESSION** *(Presidential BR)*  
 *Overview of the 2013-2014 CNI Program Plan*  
 Clifford Lynch |
| **2:15 p.m.** | **Break**  
 *(Foyer I)* |
## CNI FALL 2013 Membership Meeting
### SCHEDULE-AT-A-GLANCE

### MONDAY, DECEMBER 9

#### 2:30 p.m.

<table>
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<tr>
<th>PROJECT BRIEFINGS</th>
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<tr>
<td>Capturing the Ephemeral</td>
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<td>Accuracy on Web Analytics Reporting</td>
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<td>Update on NSF DataNet Projects</td>
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<td>Reclaiming STEM Journals</td>
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<td>A/V Collections &amp; DPN</td>
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<td>Support for Undergrad Research</td>
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<td>Barn Raising in a Virtual World</td>
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<td>HathiTrust Scholarly Inquiry</td>
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#### 3:30 p.m.

**Break (Foyer I)**

#### 4:00 p.m.

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<tr>
<th>PROJECT BRIEFINGS</th>
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<td>Hiberlink: Reference Rot</td>
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<td>ANADP II: National Digital Preservation</td>
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<td>Fedora Update</td>
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<td>Digital Humanities and Arts Projects</td>
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<td>Driving Data-Driven Decision-Making</td>
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<td>Using Accreditation Standards</td>
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<td>Context-sensitive Chat Reference</td>
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#### 5:00 p.m.

**Break (Foyer I)**

#### 5:15 p.m.

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<th>PROJECT BRIEFINGS</th>
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<tr>
<td>Internet Identity Update</td>
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<td>Mobile Technologies &amp; Field Research</td>
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<td>Research Data Alliance</td>
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<td>Digital Public Library of America</td>
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<td>Expanding E-journal Preservation</td>
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<td>Updates from NISO</td>
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<td>Leveraging Shared Publishing Platforms</td>
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<td>Visualizing Temporal Narrative</td>
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#### 6:00 p.m.

**Reception (Congressional/Senate)**
**CNI Fall 2013 Membership Meeting**  
**SCHEDULE-AT-A-GLANCE**

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<th>Time</th>
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<tr>
<td>7:30 a.m.</td>
<td>Breakfast</td>
<td>(Congressional/Senate)</td>
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<tr>
<td>9:00 a.m.</td>
<td><strong>PROJECT BRIEFINGS</strong></td>
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<tr>
<td></td>
<td>Trends in Digital Scholarship Centers</td>
<td>Presidential BR</td>
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<td>Databrary: Open Video Data-Sharing</td>
<td>South American A/B</td>
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<td>Collaborating to Manage Research Data</td>
<td>Federal A</td>
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<td>Visualizing: Duke’s New Data Support Role</td>
<td>Federal B</td>
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<td>Informatics &amp; Visualization in Preservation</td>
<td>California</td>
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<td>OpenInfRa: Archaeological Research</td>
<td>Pan American</td>
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<td>Innovations in E-book/ E-journal Publishing</td>
<td>Statler A/B</td>
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<td>10:00 a.m.</td>
<td><strong>Break</strong></td>
<td>(Foyer I)</td>
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<tr>
<td>10:30 a.m.</td>
<td><strong>PROJECT BRIEFINGS</strong></td>
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<td>Library Brand Recognition</td>
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<td>VIVO-ISF: Data Interchange Standard</td>
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<td>E-book Strategies</td>
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<td>Enhancing DMPTool</td>
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<td>National Agenda for Digital Stewardship</td>
<td>California</td>
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<td>ScienceDirect’s Advanced Recommender</td>
<td>Massachusetts</td>
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<td>Electronic Theses &amp; Dissertations</td>
<td>Pan American</td>
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<td>NYU &amp; Berkeley: Peer Benchmarking</td>
<td>Statler A/B</td>
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<td>11:45 a.m.</td>
<td><strong>Lunch</strong></td>
<td>(Congressional/Senate)</td>
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<td>1:00 p.m.</td>
<td><strong>PROJECT BRIEFINGS</strong></td>
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<td>App as Metaphor for Learning Objects</td>
<td>South American A/B</td>
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<td>SHARE: Public Access to Research</td>
<td>Federal A</td>
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<td></td>
<td>Update from Federal Funding Agencies</td>
<td>Federal B</td>
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<td>Archivists and Activists</td>
<td>California</td>
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<td>Sidora: Research at the Smithsonian</td>
<td>Pan American</td>
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<td>Sustainable OA Publishing/Archiving</td>
<td>Statler A/B</td>
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<tr>
<td>2:00 p.m.</td>
<td><strong>Break</strong></td>
<td>(Foyer I)</td>
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<tr>
<td>2:15 p.m.</td>
<td><strong>CLOSING PLENARY SESSION</strong></td>
<td>(Presidential BR)</td>
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<td><em>Digital Natives or Digital Naives</em>, Eszter Hargittai</td>
<td>(Northwestern U.)</td>
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<tr>
<td>3:30 p.m.</td>
<td><strong>Meeting Adjourns</strong></td>
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Welcome

Overview of the 2013-2014 CNI Program Plan

Clifford Lynch
Executive Director
Coalition for Networked Information

http://www.cni.org/program
Digital Natives or Digital Naives? The Role of Skill in Internet Use

Eszter Hargittai
Delaney Family Professor, Communication Studies Department
Faculty Associate, Institute for Policy Research
Northwestern University

The growing diffusion of information technologies influences people's life chances and raises questions as to their ability to appropriate digital media for their empowerment. Does the spread of information technologies affect different population segments differently? If so, which segments are most likely to benefit and which are most likely to be left behind? Based on original data, the talk considers disparities in people's Web use skills and how skills relate to what people do online. Those who know how to navigate the Web's vast landscape can reap significant benefits from it. In contrast, those who lack online abilities may have a harder time dealing with certain logistics of everyday life, may miss out on opportunities and may also obtain incorrect information from unreliable sources or come to rely on unsubstantiated rumors. Analyses suggest that skills are not randomly distributed among users; rather, they depend on demographic and socioeconomic factors as well as user context even when controlling for access differences.

About the speaker:

Eszter Hargittai is Delaney Family Professor in the Communication Studies Department and Faculty Associate of the Institute for Policy Research at Northwestern University where she heads the Web Use Project. She is also Fellow at Harvard’s Berkman Center for Internet & Society where she spent the 2008-09 academic year in residence. Hargittai’s research focuses on the social and policy implications of digital media with a particular interest in how differences in people’s Web-use skills influence what they do online. Her work has received awards from the American Sociological Association, the Eastern Sociological Society, the International Communication Association, the National Communication Association and the Telecommunications Policy Research Conference. In 2010, the International Communication Association selected her to receive its Outstanding Young Scholar Award. Her work has been supported by the National Science Foundation, the John D. and Catherine T. MacArthur Foundation, and the Sloan Foundation, among others. Hargittai is editor of Research Confidential: Solutions to Problems Most Social Scientists Pretend They Never Have (University of Michigan Press 2009), which presents a rare behind-the-scenes look at doing empirical social science research. She writes an academic career advice column at Inside Higher Ed called Ph.Do. More information is available at eszter.com and webuse.org.
MONDAY, DEC. 9
2:30-3:30 PM
Capturing the Ephemeral: Collecting Social Media and Supporting Twitter Research with Social Feed Manager

Daniel Chudnov  Bergis Jules  Daniel Kerchner  Laura Wrubel
Director, Scholarly Technology, Library Archivist  Director, Scholarly Technology, Library Archivist  Senior Software Developer, Libraries  Electronic Resources Content Manager, Libraries
George Washington University  George Washington University  George Washington University  George Washington University

In 2012 George Washington University Libraries started collecting social media data from Twitter. The process began in direct response to researcher needs: social sciences professors were analyzing how major media organizations use Twitter and how congressional representatives interact with their constituencies, collecting tweets through painstaking manual processes that did not scale and slowed down research progress dramatically. To simplify their process, staff developed Social Feed Manager, a free and open source Web application that collects data from multiple Twitter accounts using the free Twitter API. The application makes the data easily downloadable by researchers and usable in their analysis tool of choice. Millions of tweets from over 1,200 accounts have been collected using Social Feed Manager, in support of multiple research projects and classroom teaching. In addition, working closely with the University Archivist, tweets are being collected from over 300 accounts from university departments, schools, offices, and student groups, in service of preserving the records of the university.

In 2013 the project was awarded an Institute of Museum and Library Services (IMLS) Sparks! grant to improve the application so that it might be easily installed and used at other cultural memory organizations. The grant will support a meeting in December 2013, gathering interested peers from other CNI and Association of Research Libraries (ARL) institutions to determine priorities for future development. The presentation will include lessons learned so far about building social media collections and establishing a program in support of researchers and special collections / university archives. It will also include a demonstration of the Social Feed Manager application and a description of where the development team plans to focus future improvements in support of emerging areas of research.

http://gwu-libraries.github.io/social-feed-manager/
https://github.com/gwu-libraries/social-feed-manager
As part of their assessment and evaluation activities, libraries routinely report website and digital collections visits to their own institutions, professional organizations, and funding agencies. Publication downloads from institutional repositories are often included in this reporting as a way of demonstrating their value. Initial research by a team from Montana State University, OCLC Research and the Association of Research Libraries (ARL) has demonstrated that reporting in all these areas can be grossly inaccurate, leading to a variance in numbers across the profession that makes it difficult to draw conclusions, build business cases, or engender trust. The inaccuracy runs in both directions with under-reporting of visits and downloads as much a problem as over-reporting. This presentation will build the case for the developing research and will suggest some preliminary solutions for improving the accuracy of Web analytics reporting.

Additional team members include Robert Fox (Dean, University of Louisville Libraries), Jean Godby (Senior Research Scientist, OCLC Research), Jeff Mixter (Research Support Specialist, OCLC Research), and Roy Tennant (Senior Program Officer, OCLC Research).
Update on Selected National Science Foundation DataNet Projects

Tyler Walters
Dean, University Libraries
Virginia Polytechnic Institute and State University

Reagan Moore
Director, DICE Center
University of North Carolina at Chapel Hill

Steven Ruggles
Regents Professor
University of Minnesota

This session will feature a review of two of the National Science Foundation (NSF)-funded DataNet projects: 1) TerraPopulus: Integrated data on population and environment, and 2) the DataNet Federation Consortium. The respective principal investigators will present and discuss the main tenets of their project, its progress, and challenges.

The goal of Terra Populus is to integrate the world's population and environmental data across disciplines and data formats. Data that are interoperable across time, space, and scientific domain will allow us to understand the dramatic transformation of the earth's inhabitants and their environment. TerraPop makes it easy for researchers to use data describing people in combination with data describing the places they inhabit.

The main goals of the DataNet Federation Consortium are to: 1) build a national data cyberinfrastructure through the federation of existing data management systems, 2) enable reproducible data-driven research, and 3) enable student participation in collaborative research.

http://www.terrapop.org/
http://datafed.org
Reclaiming STEM Journals for the Academy: A Modest Proposal

Meredith M. Babb
Director
University Press of Florida

Alex Holzman
Director
Temple University Press

Charles Watkinson
Director
Purdue University Press

Marlie Wasserman
Director
Rutgers University Press

Global revenues paid by the academy to commercial science, technology, engineering, and mathematics (STEM) publishers for access to journals total millions of dollars per year. Libraries face extraordinary financial difficulties in no small part because of this expense, while researchers without access to key journals work at a handicap. While open access (OA) in various flavors has helped mitigate this problem slightly, the costs to authors under schemes like Gold OA can be prohibitive if they do not have grants to pay for them. At the same time, most American university presses have chosen not to publish STEM journals since at least the post-World War II era.

This session presents a modest proposal that would enable a consortium of university press publishers, working closely with select librarians, faculty, and administrators, to begin publishing in these areas under an open Web scheme, thereby aligning STEM intellectual property more closely with the academy. Individual presses would pursue their own journal opportunities, but the consortium would share all "back-room" operations, mitigating the considerable costs. Managed well over time, this initiative would assist virtually all constituencies within the university and could provide desperately needed revenue streams for under-funded presses. This session will gauge librarians' and information technologists' initial reactions to the idea, and help identify individuals and institutions that may wish to be involved in subsequent development of the plan.
Audiovisual Collections and the Digital Preservation Network: A Convening of the DPN Task Force on Audio, Video and Film

Steven Morales  
Director  
Digital Preservation Network

Jon Dunn  
Interim Assistant Dean for Library Technologies  
Indiana University Bloomington

Joshua S. Harris  
Media Preservation Coordinator, Libraries  
University of Illinois

This session will launch the Digital Preservation Network (DPN) Task Force on Audio, Video and Film, but it is open to anyone interested in the preservation of these formats. Through a highly interactive conversation, community members will start to explore how audiovisual materials such as film, audio and video will be ingested and preserved within DPN. This first-such conversation will begin with a discussion of best practices and suitable file formats for the transfer of analog video assets destined for long-term digital preservation within DPN. Future DPN Community Conversations topics for video, film and audio will also be discussed.

http://www.dpn.org
Perceptions of Library Support for Formal Undergraduate Research Programs

Sarah L. Shreeves
IDEALS Coordinator, Scholarly Commons Co-Coordinator
University of Illinois at Urbana-Champaign

Since the publication of "Reinventing Undergraduate Education: A Blueprint for America's Research Universities," universities and colleges have worked to develop and strengthen inquiry-based curricula for undergraduates that is aligned with faculty members' scholarly and creative efforts. Offices for Undergraduate Research and coordinators for such efforts are appearing on campuses nationwide. While many academic libraries do support such formal undergraduate research programs, there has been no systematic study of the types of support provided and how those administering such programs perceive that support.

In 2012, a successful, targeted survey (n=775, 37% response rate) was conducted to establish a benchmark of current library practices in relation to formal undergraduate research programs (this is currently available as a preprint in College & Research Libraries). In 2013, following this survey, the administrators of undergraduate research programs were surveyed (n=764, 40% response rate) in order to gauge how they perceived and valued library support for such programs.

This briefing will present the major findings from this study and speculate (with attendees) how libraries might better support formal undergraduate research programs. This research was conducted by Sarah Shreeves and Merinda Hensley at the University of Illinois at Urbana-Champaign, and Stephanie Davis-Kahl at Illinois Wesleyan.

http://crl.acrl.org/content/early/2013/02/06/crl13-458.full.pdf+html
Barn Raising in a Virtual World or How Innovative Approaches in Funding Led to an Architecture We Can All Use

Allan Bell
Director, Library Digital Initiatives
University of British Columbia

Alex Garnett
Digital Preservation and Data Curation Specialist
Simon Fraser University

Carla Graebner
Liaison Librarian, Economics and Government Information
Data Curator and Digital Preservation Project Manager
Simon Fraser University

Geoff Harder
Associate University Librarian, Information Resources (Acting)
University of Alberta

The University of British Columbia Library, the University of Alberta Library, and Simon Fraser University Library are collaborating with a local open-source developer of digital collections and archival software platforms in order to meet their respective needs for new digital repository initiatives at all three sites. Although each institution has some local development expertise to take full advantage of open-source software, and none is entirely a stranger to it, the collaboration remains novel in respect to the funding model that has allowed each university library to contribute their own site-specific requirements and benefit from the resulting common architecture. Each of these initiatives is library-led, leaning only on their respective information technology departments for storage infrastructure, and will continue to develop local expertise. The partners will speak about the experience and expected outcome from this collaboration, and each site will touch briefly on its own implementation plans. Simon Fraser University is providing new services for local, research data; the University of British Columbia looks to work with regional, national and campus partners to expand their effort into a campus-wide service in the future; the University of Alberta is addressing local requirements as well as those of the Canadian Polar Data Network and other partnerships.
HathiTrust Research Center: Improving Scholarly Inquiry

Timothy W. Cole
Mathematics and Digital Content Access Librarian
University of Illinois at Urbana-Champaign

Harriett Green
English and Digital Humanities Librarian
University of Illinois at Urbana-Champaign

The HathiTrust Digital Library is an archive of more than 10 million volumes. The digital book and serial surrogates in the HathiTrust were digitized from the collective print holdings of more than 80 major research libraries. The HathiTrust corpus offers scholars a unique opportunity to interact with nearly the whole body of published research literature housed in academic libraries in ways and at a scale not possible before. To tap into this potential and maximize the usefulness of the corpus for research, scholars must be provided with ways to define, identify and select the specific slice of the collection (i.e., the workset for analysis) most relevant to their research investigations.

This project briefing will introduce the Workset Creation for Scholarly Analysis (WCSA) project, a new initiative of the HathiTrust Research Center (HTRC) undertaken with the support of The Andrew W. Mellon Foundation. The goal of the WCSA project is to prototype and demonstrate new tools that will allow scholars to create a broad range of useful worksets of varying sizes and complexities, from a handful of volumes pertaining to a narrow scholarly interest, to worksets of tens or even hundreds of thousands of volumes, to more granular worksets comprised of components extracted from volumes, e.g., images relevant to a particular scholarly inquiry. To help achieve this goal, the HTRC will make four sub-awards in spring 2014 to research groups responding to our Request For Proposals (RFP). Successful respondents will describe a relevant scholarly use case requiring a workset creation capability not currently available and propose a prototype experiment to help address this gap.

The briefing will describe the RFP, discuss the limitations of existing tools and approaches, detail results from ongoing focus group studies that have informed development of the RFP, and highlight concurrent complementary work underway at HTRC to develop interoperable models of worksets and best practices to support citation and persistence of worksets over time. The session will also discuss the preliminary findings from the user requirements study conducted for the WCSA project, which gathered qualitative data on scholarly practices with text corpora through a series of focus groups and interviews with researchers who utilize large-scale, digitized text corpora.

http://www.hathitrust.org/htrc
http://htrc2.pti.indiana.edu/
MONDAY, DEC. 9
4:00-5:00 PM
Institutional Research Data Management: Policies, Planning, Services and Surveys

David Fearon
Data Management Consultant, Sheridan Libraries
Johns Hopkins University

Andrew Sallans
Partnerships, Collaborations, and Funding
Center for Open Science

Ricky Erway
Senior Program Officer
OCLC Research

ARL SPEC Survey Results: Lessons Learned and Insights for Senior Administrators Developing Research Data Management Services (Fearon, Sallans)

Using the Association for Research Libraries (ARL) SPEC Kit framework, the research data management teams at Johns Hopkins University and the University of Virginia worked together to conduct a survey and produce a report on research data management services offered by ARL-member research libraries. This study built upon the "E-Science and Data Support Services" study published by ARL in 2010. The results of the survey served as a snapshot of current practices and as a benchmark for this emerging domain of library services. In addition to presenting key survey findings, this project briefing will include highlights of what was discussed in developing the study in relation to what was observed in the data. This talk will go beyond what was reported in the publication, providing useful lessons learned and insights that may help inform decisions for developing research data management services.

University-wide Data Policy Planning (Erway)

Most universities have scrambled to respond to external requirements for data management plans, but the benefits of university-wide data planning and policy argue for a more proactive approach, involving all the stakeholders, to develop a high-level policy for responsible data planning and management. This presentation will present the benefits and identify the various university stakeholders (Office of Research, Research Compliance Office, information technology, academic departments, the researchers, and the library) and the concerns they bring to the table. It suggests a conversation among the stakeholders that addresses ownership, selection, retention periods, ethical considerations, openness, costs, preservation, access, and alternatives to local data management.

http://publications.arl.org/Research-Data-Management-Services-SPEC-Kit-334/
http://www.oclc.org/research/activities/datacuration.html
References in scholarly communication are traditionally to published articles or books. But today's Web-based scholarly communication increasingly includes links to a wide range of resources that are needed or created in research activity such as software, datasets, websites, presentations, blogs, videos, scientific workflows, and ontologies. These resources often evolve over time, unlike traditional scholarly articles. Their dynamic nature poses a significant challenge for the consistency of the scholarly record: a link may no longer work or the referenced content may change from what it was originally.

The Mellon-funded Hiberlink project, a collaboration between the Los Alamos National Laboratory and the University of Edinburgh, explores reference rot along two tracks. A research track aims at characterizing and quantifying reference rot in Web-based scholarly communication using a vast collection of scholarly articles from which links to referenced resources are extracted and an unprecedented collection of Web archive holdings used to determine coverage of the referenced resources. A solutions track aims at identifying and prototyping approaches that can ameliorate the problem, such as pro-active archiving of referenced resources at an appropriate stage in the publication lifecycle and referencing resources with the inclusion of machine-actionable temporal context.

Project Hashtags - #hiberlink #memento

http://hiberlink.org
http://mementoweb.org
Aligning National Approaches II Action Assembly Update

Katherine Skinner  
Executive Director  
Educopia Institute

Martin Halbert  
Dean of Libraries  
University of North Texas

Gail McMillan  
Director of the Digital Library and Archives  
Virginia Polytechnic Institute and State University

Matt Schultz  
MetaArchive Cooperative Program Manager  
Educopia Institute

Aaron Trehub  
Assistant Dean for Technology and Technical Services  
Auburn University

Tyler Walters  
Dean of Libraries  
Virginia Polytechnic Institute and State University

This project briefing will report on accomplishments, next steps, and action items from the Aligning National Approaches to Digital Preservation (ANADP) II Action Assembly held in Barcelona, Spain on November 18-20, 2013. ANADP is a community alignment forum designed to foster and support sustained global networks of influence and action. During ANADP I (Estonia, 2011), the community gathered to study the opportunities for alignment across national contexts and sectors. As documented in the final chapter of the award-winning volume "Aligning National Approaches to Digital Preservation" (Educopia, 2012), the ANADP community established 47 targeted alignment areas that the international community could pursue through lightweight alliances. During ANADP II, the community focused its attention around seven concrete Action Sessions that have emerged in response to these alignment opportunities. The Action Sessions represent cross-national, community-driven work in digital preservation. This project briefing will include discussion of the ANADP alignment methodology and community, the seven 2013 Action Sessions outcomes, next steps this international community established at ANADP II, and how to follow and contribute to individual ANADP-inspired efforts and events.

http://educopia.org/events/ANADPII
Fedora Update: Building Community, Building Software

Robert Cartolano
Associate Vice President for Digital Programs and Technology Services
Columbia University

Tom Cramer
Chief Technology Strategist and Associate Director
Stanford University

Jonathan Markow
Chief Strategy Officer
DuraSpace

Robin Ruggaber
Library Chief Technology Officer
University of Virginia

Fedora (Flexible Extensible Digital Object Repository Architecture) is a community driven, open source repository system under the stewardship of the DuraSpace not-for-profit organization. In October 2012, Fedora stakeholders joined together to accelerate the development of Fedora and expand community involvement and investment, and, at CNI's December 2012 membership meeting, the group launched a three-year project to implement a new platform. Fedora 4 is being developed as an international, community-sourced initiative that will support traditional repository functions while improving performance and scalability, allow for more flexible storage options, support emerging research data management needs, leverage linked data and serve as an improved platform for developers and for new types of applications.

This session will include details about the rapid release cycle of Fedora 4, its features, and what this means for both early adopters and production environments. The presentation will also include discussion of how these efforts have revitalized the Fedora community and placed the Fedora project on an improved path for sustained development.

https://wiki.duraspace.org/display/FF/
Digital Humanities and Arts Projects Updates from Columbia University

Mark P. Newton
Production Manager
Columbia University

Leyla S. Williams
Communications Coordinator
Columbia University

Jackson Harvell
Web Developer
Columbia University

Tad Shull
Project Director, J-DISC; Program Officer,
Center for Jazz Studies at Columbia University
Columbia University

The Women Film Pioneers: Publishing Translational Scholarship Out of the Libraries (Newton, Williams, Harvell)

The Women Film Pioneers Project (WFPP), published October 2013, is an online scholarly resource that expands on the unheralded biographies of women in the silent film industry. Initially conceived as a collection of solicited essays and profiles for publication as a multi-volume reference work with a university press, WFPP became an online-only resource published in partnership with the Center for Digital Research and Scholarship (CDRS), a unit of the Columbia University Libraries/Information Services. The WFPP breaks convention for scholarly publication in a number of significant ways, particularly by setting itself up as a living resource, with content that can be both cited and augmented by its readership. Such expectations for the project have challenged its editors to think critically about translating scholarship for an online audience and have challenged the design and development team to make some difficult decisions around presentation and infrastructural support. The result of the publishing partnership has yielded an interesting case study around university library publishing and scholarship support programs. This presentation will examine the processes of development in partnership to draw some inferential conclusions around potential for translational scholarship in nontraditional publishing scenarios and the unique suitability of the university library's digital scholarship support center to act as publishing partner.

Jazz and Music Information Retrieval (Shull)

Large quantities of jazz recordings are now available and accessible in digital form, and more will come, yet music information retrieval (MIR) has just begun to adapt its techniques to jazz and to the special challenges of documenting these improvised musical performances. This briefing will discuss a project called J-DISC that is exploring the use of MIR techniques in jazz. J-DISC has evolved from a founding mission to create an online jazz discography, which offers a large store of text data on jazz recordings, to include a new phase that uses signal processing and machine listening
tools to aid that mission. Signal processing and machine listening techniques can help provide valuable data on many common practices of improvised music, especially in the online space where industry metadata standards are low.

The ultimate goal of J-DISC is to link conventional jazz discographic information with the recordings it describes in the digital space, which has never been practical in the past. Possible end uses would include organizing and managing digitized archives of jazz or related improvised music, giving libraries effective means to access remote, distributed resources on these musical forms, and providing theorists or musicians with tools to access, analyze, and represent expressive features across large corpora that are difficult to capture in traditional notation or on the threshold of human perception. J-DISC is a collaboration between the Center for Jazz Studies, the Center for Digital Research and Scholarship, the Computer Music Center, the Gabe M. Wiener Music & Arts Library, and the Department of Electrical Engineering, all at Columbia University. It is funded by The Andrew W. Mellon Scholarly Communications Program.

http://wfpp.cdrs.columbia.edu
http://jdisc.columbia.edu/
http://music.columbia.edu/cmc/j-i-r/
http://jazz.columbia.edu/
http://labrosa.ee.columbia.edu/
http://music.columbia.edu/cmc/
Driving Data-Driven Decision-Making

Roger C. Schonfeld
Program Director
Ithaka S+R

Deanna Marcum
Managing Director
Ithaka S+R

This discussion-oriented session will engage library leaders to consider the opportunities and obstacles to incorporating data more effectively in library strategy and decision-making. In recent years, the library assessment community has developed its capacity and increased awareness significantly, and the Association of College and Research Libraries’ Value of Academics Libraries and the Association of Research Libraries’ LibValue have found ways to demonstrate the value of the academic library. Library leaders also need data to support their efforts to transform their organizations’ strategy, services, spaces, and staffing.

This session will focus on two related questions:

• What is the role of data sources such as surveys, usage statistics, budgets, and qualitative data, in planning and managing organizational transformation?
• How can libraries organize themselves to collect and integrate such data sources most effectively to support strategy and decision-making?

Participants will take away from this discussion a number of possibilities for their libraries individually and in the context of their collaborative relationships. Ithaka S+R will bring selected findings from its local and national datasets to help inform the discussion.
Using Accreditation Standards to Promote Library and Computing Services: A Case Study from the University of Miami

Joan Giesecke
Dean Emeritus, University Libraries,
Special Assistant to the Chancellor
University of Nebraska-Lincoln

Yolanda Cooper
Special Assistant to the Chancellor
University of Miami

Traditionally, accrediting bodies wrote standards for libraries and computer operations that emphasized inputs such as the size of the library collection, or the number of computer labs. Today, the regional accrediting bodies and many specialized accrediting agencies have revised their standards to emphasize assessment of student learning outcomes and assessment of program outcomes. For libraries and academic technology units, the standards may emphasize information and digital literacy skills, policies on ethical use of computers and computer networks, and services that support student learning. Further, two of the regional accrediting agencies, Southern Association of Colleges and Schools (SACS) and the Higher Learning Commission (HLC - North Central), require the institution to carry out a quality initiative to encourage continuous improvement and enhance student learning. The changes in accreditation provide opportunities for libraries and support service to redefine their roles on campus and to highlight how they actively support student learning.

This session will cover the changes in accreditation standards among the six regional accrediting agencies and many of the specialized agencies that most closely impact libraries and computer centers, and provide ideas for how librarians and information technology (IT) specialists can help educate programs going through accreditation about the positive impact of library and IT services on student learning. The session will also cover the Quality Enhancement Plan implemented in 2009 by the University of Miami, which proposed to enhance undergraduate learning through the creation of a program of Faculty Learning Communities (FLC).
Implementing a Context-Sensitive Chat Reference Service

Krisellen Maloney
Dean of Libraries
University of Texas at San Antonio

Jan Kemp
Assistant Dean for Public Services
University of Texas at San Antonio

Carolyn Ellis
Technology Project Management Librarian
University of Texas at San Antonio

For over a decade, even as libraries have broadened their service offerings to include online service, both the number and complexity of reference questions have declined. In late July, the Library replaced its old chat service, LibChat, with Zopim, a commercially available software service that enables staff to configure a persistent and context-sensitive widget for the library website. By placing the chat widget itself rather than a link to 'Ask a Librarian' on every page of the website, users can start a chat immediately from wherever they are. Since the chat widget persists across the session and all library webpages, users do not have to remain on the same page where they began the chat. Instead, they receive sustained help from library staff as they move across library webpages, supported through their entire research process. The Zopim software also enables staff to configure context-sensitive triggers that automatically initiate a chat session with an appropriate, pre-defined message when page-specific criteria are met. For example, if a user stays on the 'Find Databases' page for 60 seconds, the widget displays a message that says, "Let us know if you need help finding a database!"

Based on early analysis, the number of questions received has increased by over 500% since the implementation of the new software. Of even more interest is the increase in the complexity of the questions received. Before implementing the new chat widget, only 12% of the questions received via chat required the knowledge and experience of a librarian. Now, over 65% of the questions require advanced expertise. These changes have had serious implications for chat staffing; further, the dramatic increase in chat reference calls into question the assumption that the decline in reference questions is the natural result of increased availability of full-text content and improved discovery tools. This presentation will provide information about the service, updated statistics regarding the use of the service, and the changes that have occurred within the organization to deal with a rapid increase in reference questions.

http://lib.utsa.edu/
MONDAY, DEC. 9
5:15-6:00 PM
Internet Identity Update: From Social to Scholar

Kenneth Klingenstein
Director, Internet2 Middleware
Internet2

This session will provide an update on Internet identity and its interactions with the research and evaluation community. Several key developments will be shared, including Social-to-SAML (Security Assertion Markup Language) gateways, scholarly identity, federal initiatives such as National Strategy for Trusted Identities in Cyberspace (NSTIC), application categories such as research and scholarship, privacy managers, international collaboration platforms, and other topics of interest to the CNI community.
Mobile Technologies to Support Field Research

Wayne Johnston
Head, Research Enterprise and Scholarly Communication
University of Guelph

An agricultural researcher is out in her crops making measurements and taking photographs. A political science researcher is in Ecuador interviewing indigenous people about grass-roots organizations. An entomologist is studying disease resistance of honeybees in Vietnam. Institutions develop services, technologies and infrastructures for researchers, but they tend to be left to their own devices when they are conducting research in the field. What can be done to better support data collection using mobile devices, storing data safely and securely while in transit, syncing data on mobile devices with the infrastructure "back home"? What is the role of next generation electronic laboratory notebooks? How can the data "back home" be made more accessible for consultation while in the field? What are the challenges of relying on mobile devices while working in developing countries or in adverse conditions, and how do these considerations fit within the broader context of research data management, data preservation and data sharing? In particular, what are the specific challenges faced by researchers in different contexts, and can tools and strategies be identified to address those challenges? This session offers an opportunity to delve into these topics, to share findings, and to garner input from other attendees.
To address the growing global need for data infrastructure, the Research Data Alliance (RDA) was planned and launched in 2013 as an international, community-powered organization. It has government support from the European Community, the United States, and Australia, and it is attracting a growing number of individual and organizational members. Its mission is to build the social and technical bridges that enable data sharing. This project briefing will provide an update on its progress.

http://rd-alliance.org
Digital Public Library of America: Present and Future

Dan Cohen
Executive Director
Digital Public Library of America

The Digital Public Library of America (DPLA) launched in April 2013 with the mission to bring together the riches of America's libraries, archives, and museums, and make them freely available to the world. It has expanded rapidly over the last eight months, with nearly a thousand libraries, archives, and museums donating over five million items to DPLA's aggregated collection. This session will include an update on the project: where it stands currently and where DPLA plans to go in 2014 and beyond. Also included will be discussion of DPLA's technical infrastructure and how its API can be used to bring materials from the collection into other contexts and apps. Information about how CNI members and other institutions and individuals can get involved, by becoming content or service hubs as part of the DPLA network, or by joining advisory committees, will be discussed.

http://dp.la
Expanding E-Journal Preservation: Developing and Promoting Methods for Community Implementation

Robert Wolven
Associate University Librarian for Bibliographic Services and Collection Development
Columbia University

Oya Rieger
Associate University Librarian for Digital Scholarship & Preservation Services
Cornell University

In many fields, e-journals have become the predominant form in which research libraries provide access to serial literature for their students and researchers. Yet, despite the fact that initiatives such as CLOCKSS, Portico, and LOCKSS have preserved thousands of e-journals, recent studies by Columbia, Cornell, Duke, and others have consistently found that fewer than a third of the e-journal titles collected by these libraries are currently preserved by any major preservation agency. The titles not yet secured for preservation vary widely in their characteristics and importance and strategies needed to secure their preservation may prove equally diverse. The libraries of Columbia and Cornell Universities have embarked on a project, supported by The Andrew W. Mellon Foundation, to expand the number and range of e-journals preserved, by developing and testing strategies appropriate to different types of publications. This project will provide for an analysis of the corpus of e-journal titles collected but not preserved, and it will assign priorities, select representative titles from different groups, and work with publishers, distributors, preservation agencies, and libraries to secure preservation arrangements. Through this work, the participating institutions aim to promote models that can be broadly applied by libraries to further extend the range of e-journals preserved. Sustainability and effectiveness of the initiative will require a broad engagement of the library and publishing communities; therefore, input for the proposed project plan is welcome.
Updates from the National Information Standards Organization (NISO)

Nettie Lagace  
Associate Director for Programs  
National Information Standards Organization

Todd Carpenter  
Executive Director  
National Information Standards Organization

Update on NISO Open Access Metadata and Indicators Working Group (Lagace, Carpenter):  
The National Information Standards Organization (NISO) Open Access Metadata and Indicators Working Group was chartered in March 2013 to develop protocols and mechanisms for transmitting the access status of scholarly works, such as individual articles. The intent of the group has been to develop a standardized set of metadata elements in order to share accessibility and potential re-use rights, to clarify an environment where it is currently very difficult for stakeholders (funders, authors, librarians, and users) to determine whether a given article is compliant with conditions and policies. The area in which it has worked is a contentious one, with many differing opinions among stakeholders on what constitutes "open access." These elements developed as part of the group's recommendations that the elements be machine-readable to enable systems to intake the data and re-use it in whatever form is appropriate for its own context. The Working Group's draft specification is expected to be available for public review and comment in late 2013, with formal publication taking place in early 2014.

NISO Alternative Assessment Metrics (Altmetrics) Project: What's Happening in Phase 1, What Will Happen in Phase 2 (Carpenter):  
Research environments rely critically on methods of assessment of scholarship. Assessment impacts most elements of the research process, from which projects get funded to who gains promotion and tenure and which publications gain prominence in fields of inquiry. Alternative metrics (often referred to as "alt metrics") are increasingly being explored, discussed and used by publishers, funders and research departments as an expansion of the tools available for measuring the scholarly impact of research in the burgeoning Web-based communication, collaboration, and publication environment. There is a growing movement toward fuller development of these measurements and the understanding of gaps that need to be filled in order to facilitate their adoption, at least as a compliment to the existing methods of measuring scholarly impact, formal citation counts and the Journal Impact Factor.
NISO has undertaken, with the support of the Alfred P. Sloan Foundation, a two-phase initiative to explore, identify, and advance standards and/or best practices related to a new suite of potential metrics in the community: "altmetrics." These eventual standards and best practices could include agreement on what gets measured; what criteria for quality should be applied; how granularly data should be gathered and measured; and/or the technical infrastructure necessary to exchange data, among other possibilities. The project work, currently in its first phase, consists of NISO convening open face-to-face and Web-based meetings of stakeholders and interested parties, where discussions and brainstorming activity will be facilitated and subsequently distilled into potential action items. One meeting has already taken place in San Francisco in October 2013; two more are planned: one on December 11, immediately following CNI, in Washington, DC, and the other in January 2014 in Philadelphia in conjunction with the American Library Association Midwinter conference. This presentation will describe the background and impetus for the project, the input and perspectives received from various stakeholders so far, further work planned in Phase 2, and how outputs will be executed.

http://www.niso.org/workrooms/oami/
http://www.niso.org/topics/tl/altmetrics_initiative/
Digital Commons now hosts over 500 journals published by libraries under the rapidly growing "library as publisher" model, which enables the ability to look at data across all the journals to track trends, to foster a community of nascent library-publishers, and to connect journals to third parties and to each other in meaningful ways. This presentation will explore these issues:

• Journal performance benchmarking data
Detailed data from across all journals hosted on Digital Commons will be used to consider various questions, including: How do student journals compare to faculty journals? What programs and fields are the best candidates for library-led publishing?

• Expertise-sharing
In October, 18 librarians from institutions across the country participated in the first Scholarly Publishing Certification course at bepress. This session will present what these librarians wanted to know, what they learned, and what takeaways were most important to their better understanding of scholarly communications.

• Interoperability
A critical mass of journals publishing on one platform opens opportunities to raise the discoverability and scholarly caliber of all of them. For example, it becomes possible to create and promote thematic collections that become useful research resources in themselves. It also brings professional-grade publishing services, like DOIs, indexing, and archiving, within economically viable reach. This presentation will discuss a first version of a thematic collection, the Law Review Commons, as well as experiences and lessons learned using bepress's DC Publishing Services program.
The River Campus Libraries' Digital Humanities Center is collaborating with English Professor Joel Burges on a project that seeks to quantify temporal elements of the narrative structure of films, television shows, and texts. This collaboration includes co-teaching a semester-long seminar class with Professor Burges, working with another class to include a digital project to take the place of a traditional paper, and developing tools for data visualization and collection to support Professor Burges's research. This unique partnership promotes experiential learning, undergraduate and graduate research, digital humanities scholarship, and exemplifies the University of Rochester's unique "each-one teach-one" philosophy of teaching and research.
TUESDAY, DEC. 10
9:00-10:00 AM
Trends in Digital Scholarship Centers

Joan K. Lippincott
Associate Executive Director
Coalition for Networked Information

Harriette Hemmasi
Joukowsky Family University Librarian
Brown University

Vivian Lewis
University Librarian
McMaster University

Many higher education institutions are considering how to better support e-research in a wide variety of disciplines on their campus. One response is the development of physical spaces, often called "digital scholarship centers," that provide high-end technologies and support services primarily to faculty, graduate students, and seniors working on capstone projects. This session will provide an overview of digital scholarship center trends and encourage participants to both add their own examples and discuss what types of information they would like CNI to gather in order for them to develop or strengthen a digital scholarship center on their campus.

The recently opened Brown University Library Digital Scholarship Lab is an expansion of a long-standing library program to support faculty and graduate students working with complex digital content. Featuring a 7x16 foot tiled wall comprised of twelve 55-inch LED screens, the high-definition visualization facility supports innovative methods of teaching and research, and enables new forms of student learning and interaction. The Lab has already attracted faculty and students at all levels working on projects in a wide variety of disciplines, and it is also used for public presentations.

At the Sherman Centre for Digital Scholarship at McMaster University, faculty and graduate students receive support in their e-research activities in many disciplines. A new fellows/internship program enables library staff to work closely with a core group of users. In addition, McMaster is one of the lead institutions for an Andrew W. Mellon Foundation grant to explore "best in class" digital scholarship programs. After visiting centers around the world and conducting interviews, the co-investigators will generate a set of benchmarks for such programs.

http://library.brown.edu/dsl
http://scds.ca/about-the-centre/
Databrary: An Open Video-Based Data-Sharing System for Developmental Science

Dylan Simon  
Systems Architect  
New York University

Rick Gilmore  
Associate Professor of Psychology  
Pennsylvania State University

David Millman  
Director, Digital Library Technology Services  
New York University

The Databrary project aims to increase scientific transparency and accelerate discovery in developmental science by building the culture, tools, and infrastructure for developmental researchers to share video data. The presentation will review the following aims of the project: (1) create a Web-based Databrary repository for open sharing and preservation of video data; (2) build a data management system to support data sharing within labs, among collaborators, and in the Databrary repository; and (3) create participant permissions and contributor/user standards that enable open sharing of video data while limiting access to authorized users and ensuring participant confidentiality.

The major innovation of this project is the emphasis on open sharing of video data. Databrary will be the first large-scale repository for sharing video data and related information. A second important innovation is the emphasis on community building and on transforming the culture in developmental science. The contribution of a particular dataset will no longer depend on the private activities of researchers from one laboratory, but will instead benefit from the critique and imagination of many researchers with different viewpoints. Users will be able to reanalyze shared videos to test competing hypotheses, perform integrative analyses, learn from prior examples, and address new questions beyond the scope of the original study, enabling new possibilities for research in labs with limited financial and technical resources. By creating the tools and infrastructure for open video data sharing, insights in developmental science can deepen. Moreover, the Databrary tools and infrastructure will enhance data sharing and management in the entire behavioral science community.

The project briefing will include a demonstration of the Databrary system, discussion of the impetus for the Databrary project, progress made towards user access and participant permissions for sharing data, and lessons learned along the way. The Databrary Project is led by Dr. Karen Adolph, Dr. Rick Gilmore, and David Millman.

http://www.databrary.org
Collaborating to Manage Research Data

Zheng (John) Wang
Associate University Librarian, Digital Access, Resources, and Information Technology
University of Notre Dame

Rick Johnson
Co-Director, Digital Initiatives and Scholarship
University of Notre Dame

Deborah Ludwig
Assistant Dean, Strategy & Innovation, Libraries
University of Kansas

Ann Campion Riley
Associate Director of Libraries, Access, Collections, Technical Services
University of Missouri, Columbia

Jump Start Research Data Curation and Support (Wang, Johnson):

This session provides Notre Dame's experience as a case study to provision research data curation and access services. Managing research outputs becomes a tall order of many universities, given their determined agenda to pursue research excellence. In a world of increasingly data-intensive research, data are rising as a critical component of scholarly communication, often mandated by granting agencies. Data curation, preservation, and access are paramount to the university academic mission, and academic and research libraries are some of the few university entities that carry out such functions; however, libraries' enduring commitments in print and current operations, and complex campus organizations, often hinder their ability to quickly respond to the data needs of the academy.

Notre Dame's investment in research was recently reinforced by the University's approval of the expansion of 10 disciplines, including computational data, adult stem cell research, and nuclear physics. There is a great need for support for research data on campus, and the Hesburgh Libraries have been building an institutional digital repository since winter 2012. To respond to the emerging trends, in June 2013 the Libraries switched to a user-centered, agile approach to develop data curation and access services. The goal remains to accept all scholarly outputs (text, images, video and audio), but with an imminent emphasis on research support, and the strategy is to grow, simultaneously, data curation services and the user base, and to build success stories to drive adopters along the way. Hydra open source solutions were also leveraged, and Notre Dame collaborated with Northwestern University, Indiana University, and the University of Virginia to create a new community shared Institutional Repository (IR) system. This session will include the project's
Development philosophy to overcome resource shortages to meet high demands on research support, the strategy to reach and develop a user base and roadmap, insights on faculty's needs for research support, the methodology to leverage and contribute to open source tools, and a quick demo of the curation tool.

**Data Federation of University Research (Ludwig, Riley):**

D4 (Data Federation Of University Research) is a partnership of research universities developing a plan to federate institutional approaches to research data management and accompanying services at scale which is funded through a grant from the Institute for Museum and Library Services (IMLS) and led by the Greater Western Library Alliance (GWLA), the Great Plains Network (GPN), and the University of Kansas (KU). In its first year of operation, focus was on creating an overarching plan from an environmental scan and on working with a broad array of chief information officers, chief research officers and university librarians that make up the advisory council for the project. Now in its second year, committees are working to flesh out plans in two areas: 1) capacity for data sharing, storage, archiving and preservation, and 2) education, training and outreach. An infrastructure is envisioned that is interoperable and able to maximize the existing efforts of member institutions with potential connection to the emerging network of repositories envisioned in the Association for Research Libraries/Association of American Universities/Association of Public and Land-grant Universities SHARE proposal. The plans include a suite of services to address readiness, training, and policy needs on participating campuses. The D4 steering committee includes representation from the University of Missouri, the University of Arkansas and Arkansas High Performance Computing Center, the University of Tulsa, the executive director of the Greater Western Library Alliance, the director for cyberinfrastructure for the Great Plains Network, and the KU Libraries and Information Technology divisions.

https://curate.library.nd.edu/
http://imls.gwla.org
Visualizing: A New Data Support Role for Duke University Libraries

Angela Zoss
Data Visualization Coordinator
Duke University

Data visualization is a growing discipline, spanning all academic fields and enhancing traditional scholarly communication methods by helping researchers conduct alternative data analysis techniques or by communicating the results of research to a broader audience. In response to growing demand for visualization instruction and consultation, Duke University Libraries have recently joined with the Duke Office of Research Computing to create a Data Visualization Coordinator position, offering centralized, campus-wide support for data visualization within Duke Libraries' Data & Geographic Information Systems (GIS) Services department. As part of a larger program of data consulting support in the libraries, the new data visualization program attempts to instruct and consult on the wide variety of visualization work going on at Duke, from medical imaging and GIS to network visualizations and business intelligence reports.

This presentation will share both challenges and solutions to providing visualization support, from combating data and visualization literacy deficits to developing on-demand instructional materials using online services like GitHub and LibGuides. The session will include discussion of the basic skills necessary to understand and create basic data visualizations, as well as resources and references for beginning to provide visualization support to a diverse community.
Using Informatics & Visualizations to Understand Digital Preservation Activity

Katherine Skinner  
Executive Director  
Educopia Institute

Christina Drummond  
Research Associate Professor  
University of North Texas

This project briefing will present a pilot set of interactive data visualizations resulting from a national-level, multi-sector, environmental scan of collaborative digital preservation activity. The Identifying Continuing Opportunities for National Collaboration (ICONC) research project (2012-13) was conceived and funded by the Library of Congress' National Digital Information Infrastructure Preservation Program (NDIIPP), with an aim of better understanding the landscape of collaborative digital preservation activities at state, regional, and national levels. ICONC is led by the Educopia Institute, drawing in research expertise from the University of North Texas, the University of North Carolina, Chapel Hill, and Auburn University. Across sectors (e.g., government, public, academic, commercial), organizations are developing and hosting digital preservation solutions, networks, trainings, and events. Their objectives vary, from disaster recovery to provisions of "enduring access." To date, there is no easy mechanism to gain a national level understanding of these preservation efforts across sectors. Further, there is a limited understanding of where such activities are collaborative in nature, engaging players from across sectors and states. By leveraging informatics and visualizations that combine historical and current collaborative activities, leaders can inform the strategic alignment of future digital preservation research and development through insights into questions such as: Which institutions or regions are innovation hubs for digital preservation? Are specific regions or states under-represented in digital preservation initiatives? Which organizations or sectors are driving efforts in a given region or state? Or, which organizations act as connectors, engaging an array of project partners across domains?

The first half of this briefing will provide an overview of data visualizations related to such questions, generated from the ICONC project. It will highlight the underlying dataset, compiled by ICONC through stakeholder interviews, professional association surveys, and grant-award and publication data mining. The second half of this briefing is reserved for a facilitated discussion on how such tools could be advanced or provided to the community to support digital stewardship policy and program development at national and international levels.

http://www.educopia.org/research/iconc
OpenInfRA: A Web-based Information System for Documentation and Publication of Archaeological Research Projects

Frank Schwarzbach  
Professor  
Dresden University of Applied Sciences

Frank Henze  
Research Assistant  
Brandenburg University of Technology

In recent years more and more archaeological research projects (both in fieldwork and in literature or material studies) have started to create, process and store project data and results using digital tools. However, new projects have tended to develop their own individual systems optimized for unique research questions at specific places. Often, the generated data are not saved and published in a sustainable manner and, usually, they are not linked with other research data.

Based on this analysis, the German Research Foundation (DFG) supports the development of an open source, Web-based information system for use in various historical and related scientific disciplines. This system, named OpenInfRA, aims to be a key element of the research data infrastructure in the domain of archaeology. It will be freely available for projects at universities, museums, academies and other national institutions as well as for joint research projects with international cooperation partners. OpenInfRA takes into account a wide range of working methods, such as excavations, building archaeology, geophysics, surveying and restoration. To achieve a high level of interoperability, domain-specific standards and interfaces will be implemented. OpenInfRA shall become a central component in the archaeological working process in which a comprehensive and sustainable long-term documentation of primary data must be assured.

The first part of the presentation will address general requirements and objectives for the development of an infrastructure component for antiquity studies. Specific research topics that are relevant to the design and implementation of the system will be explained in more detail in the second part.

http://www.tu-cottbus.de/openinfra/
Innovations in E-book and E-journal Publishing Forms

Jason Clark  
Digital Initiatives Librarian  
Montana State University

Scott Young  
Digital Initiatives Librarian  
Montana State University

Reginald Gibbons  
Frances Hooper Professor of Arts & Humanities, & Director of Planning  
TriQuarterly  
Northwestern University

Harlan Wallach  
Northwestern University Information Technology Digital Media Architect Lead and Media Architect, TriQuarterly  
Northwestern University

What Happens When Books Get Webby? Using HTML5, Linked Data, and APIs to Build a Better Book (In the Browser) (Clark, Young):

The library as place and service continues to be shaped by the legacy of the book, though discussion regarding this topic too often centers on the loss of the book artifact while neglecting new forms of the book enabled by the Web. This project update will look at a beta HTML5 framework developed for a Montana State University History class to publish a book in the browser. The presentation will include findings that have advanced an understanding of the book in the context of the Web, including HTML5 markup, structured data with RDFa Lite and schema.org, linked data components using JSON-LD, and an API-driven data model that all together unlocks the book by transforming its content into a semantic, machine-readable, and extensible new platform. Along with an analysis of these possibilities in the library setting, a survey of current efforts to remake the book in the Web development and publishing worlds will be included. Beyond the technical demonstrations and code samples, the discussion will be grounded in the concept of the evolving book: what it means for the book as a medium to be hyperlinked, marked up, styled, and analyzed as a full participant in the web of data.

TriQuarterly: What Can an Online Academic Literary Journal Be? (Gibbons, Wallach):

Northwestern University's historic literary journal TriQuarterly will publish its next issue in January 2014 into a new and revamped publishing platform. In June 2010, amidst hostile (and in some cases deliberately misleading) pre-release reactions, TriQuarterly was recreated as an online magazine. That process has completely reinvigorated the publication and directly linked the magazine to the pedagogical mission of the university. This pre-release view of the upcoming Issue #145 will present the range of new functions and designs that will be implemented in this most current
incarnation of TriQuarterly. This refresh builds on what has been learned both from the first three and half years of expansion in readership and expansion of online literary content types. The technology update responds to deeper integration with social media outlets and also seeks to expose the corpus of contemporary writing present in the magazine in its 60 year history.

http://arc.lib.montana.edu/book/home-cooking-history-409/
https://github.com/jasonclark/bib-template
http://www.triquarterly.org/
TUESDAY, DEC. 10
10:30-11:30 PM
Library Brand Recognition: Generating Visibility in the Virtual Age

Jeremy Frumkin
Assistant Dean for Technology Strategy
University of Arizona

Pascal Calarco
Associate University Librarian,
Research and Digital Discovery Services
University of Waterloo

Oren Beit-Arie
Chief Strategy Officer
Ex Libris, Ltd.

As economic pressures continue to drive higher education institutions to focus on increasing efficiencies and demonstrating their inherent value to the communities they serve, academic libraries are under similar pressure to demonstrate their value to their overarching institutions. In a digital world, where library users discover and access library-brokered content in real time using a range of platforms and tools, the library often becomes an invisible facilitator. Although the seamless flow of content to users is regarded as a benefit, the lack of recognition of the library's role in facilitating content can also be a risk. The University of Waterloo and Ex Libris are piloting a new approach that enables libraries to brand electronic information resources (articles) to which they broker access. The solution is based on research conducted at the University of Arizona and Oregon State University. This presentation will describe the general context and need for libraries to better reflect their value to their users, the proposed solution and branding approach, and the current state of the pilot and initial findings from the University of Waterloo.
Creating a Data Interchange Standard for Researchers, Research, and Research Resources: VIVO-ISF

Dean B. Krafft  
Director of Information Technology, Library  
Cornell University

Brian Lowe  
Lead Developer, Library  
Cornell University

The VIVO project is an international community effort to provide linked open data about researchers in the context of their research activities. A key component of this effort is an ontology that serves as a data interchange standard for information about researchers and research across different software platforms, including Harvard Profiles, VIVO, Loki, and SciVal Experts. Through collaboration with ontologists at Oregon Health & Science University, the VIVO ontology has recently been merged with the eagle-i research resources ontology to become VIVO-ISF (Integrated Semantic Framework).

This presentation will include examples of the kinds of applications that can be developed to take advantage of the rich semantic data enabled by VIVO-ISF. It will also include descriptions of how VIVO-ISF reuses elements of popular linked data ontologies while remaining based on a philosophically sound foundational ontology, and how it enables linking to subject terminologies used by particular scientific disciplines. The briefing will provide a report on the community effort to test, develop and extend VIVO-ISF for maximum possible benefit to diverse research communities, and it will include discussion about how the process of extending the initial VIVO ontology to VIVO-ISF can serve as a model for further extensions to assist in the description and discovery of research and scholarship across a wide range of academic disciplines.

http://vivoweb.org
E-book Strategies: What We Heard at the CNI Executive Roundtable

Clifford A. Lynch
Executive Director
Coalition for Networked Information

CNI held two sessions of an Executive Roundtable on "E-book Strategies" just prior to the start of this Membership Meeting; this limited registration event was wildly oversubscribed and this briefing will allow a wider group to learn what we heard from the participants at those sessions. Lynch will review the major themes that surfaced as well as the opportunities and challenges presented by e-books.

E-books are being deployed at scale; libraries are acquiring them as significant parts of their collections and textbooks are moving to digital formats in a variety of settings and models. At the Roundtable, we explored the myriad questions that these new directions raise for institutions, the strategies that institutions are using to make choices among the paths available, the stakeholders involved, and the new programs and projects that our members are planning or have implemented.
Enhancing DMPTool: 
Further Streamlining the Data Management Planning Process

Stephen Abrams  
Associate Director, University of California Curation Center  
California Digital Library

Andrew Sallans  
Partnerships, Collaborations, and Funding  
Center for Open Science

Scholarly researchers today are increasingly required to engage in a range of data management activities to comply with institutional policies, or as a precondition for publication or grant funding. The latter is especially true in light of the recent White House Office of Science & Technology Policy directives aimed at maximizing the availability of all outputs (data as well as the publications that summarize them) resulting from federally funded research projects. To aid researchers in creating effective data management plans (DMPs), a group of organizations (California Digital Library, DataONE, Digital Curation Centre, Smithsonian Institution, University of California Los Angeles, University of California San Diego, University of Illinois, Urbana-Champaign, and University of Virginia) have, as described in a 2012 CNI project briefing, collaborated on the development of the DMPTool. The DMPTool is an online system that provides detailed guidance and links to general and institutional resources and walks a researcher through the process of generating a comprehensive plan tailored to specific DMP requirements.

The initial project partner group, with the addition of Purdue University, is now engaged in enhancing the DMPTool to provide an even higher level of service, with an emphasis on new administrative functions so that institutions can better support local research activities. New capabilities include support for plan co-ownership, better reflecting the collaborative nature of many research projects; workflow provisions for formal or ad hoc internal plan review; simplified maintenance and addition of DMP requirements templates; extensive capabilities for customization of guidance and resources by local institutional administrators; more granular control over published plan visibility; and user interface refinements based on user feedback and focus group testing. This technical work has been accompanied by a new governance structure and the growth of a community of engaged stakeholders who will form the basis for a sustainable path forward for the DMPTool as it continues to play an important role in research data management activities.

http://dmptool.org/
A National Agenda for Digital Stewardship

Micah Altman  
Director of Research  
Massachusetts Institute of Technology

Abbie Grotke  
Lead Information Technology Specialist  
Library of Congress

Trevor Owens  
Digital Archivist  
Library of Congress

Digital stewardship is vital for the authenticity of public records, the reliability of scientific evidence, and the enduring accessibility to our cultural heritage. Knowledge of ongoing research, practice, and organizational collaborations has been distributed widely across disciplines, sectors, and communities of practice. The National Agenda for Digital Stewardship annually integrates the perspective of dozens of experts and hundreds of institutions, convened through the Library of Congress, to identify the highest-impact opportunities to advance the state of the art, the state of practice, and the state of collaboration within the next 3-5 years. This talk discusses key highlights from the inaugural report and related ongoing work by the National Digital Stewardship Alliance.

http://www.digitalpreservation.gov/ndsa/nationalagenda/

Tuesday, December 10, 2013  10:30-11:30 AM  California
ScienceDirect's Advanced Recommender:
A Fruitful Academic-Industrial Partnership

Craig Scott
Senior Product Manager
Elsevier

Martin Rajman
Head of the SCI-IC-MR Research Group
École Polytechnique Fédérale de Lausanne (EPFL)

This briefing will address the École Polytechnique Fédérale de Lausanne (EPFL)-Elsevier partnership that has delivered a new recommendation engine for the ScienceDirect website. The new recommendation engine makes use of collaborative filtering techniques, exploiting available usage data consisting of approximately five billion article download events. The resource was developed using a minimum viable product (MVP) methodology, taking a performance metric-driven approach with multiple iterations measured through A/B testing; it leveraged high performance computing cluster (HPCC) distributed computing in a private cloud, and ultimately delivered an impressive increase in usage of the feature. The talk will also address the planned next phase of the EPFL-Elsevier partnership, which aims to create more targeted recommendations, customized for either individual researchers or researchers belonging to a specific segment, e.g. a given subject field or career stage.

http://www.sciencedirect.com
Developments in Electronic Theses and Dissertations (ETDs)

Martin Halbert  
Dean of Libraries  
University of North Texas

Martin Halbert  
Dean of Libraries  
University of North Texas

Matt Schultz  
Program Manager  
Educopia Institute  
MetaArchive Cooperative

Gail McMillan  
Director, Center for Digital Research and Scholarship Services  
Virginia Polytechnic Institute and State University

Austin McLean  
Director, Scholarly Communications and Dissertations Publishing  
ProQuest

Progress Toward Providing the ETDs of Today for the Researchers of Tomorrow (Halbert, McMillan, Schultz):
This presentation will report findings from the first comprehensive survey of electronic theses and dissertation (ETD) practices undertaken by the Networked Digital Library of Theses and Dissertations (NDLTD), present best practices in ETD lifecycle management as documented by an Institute of Museum and Library Services (IMLS)-funded project, and then present a dean's perspective on continuing to grow an ETD program over time. It will also include the results of the 2013 Comprehensive Study of National ETD Practices, as well as a report on the IMLS-funded Lifecycle Management of ETDs project deliverables, including guidance documents for the lifecycle management of ETDs and the associated ETD Lifecycle Curation Workshop. Strategies for growing an ETD program on the campus level will be discussed.

Comparative Metrics for Dissertations: A New Frontier (McLean):
ProQuest is developing a tool based on data extracted from its dissertation database that will shed light on productivity and usage of dissertations. The tool will answer questions such as:
• How does our department's dissertation usage and productivity compare to our peer universities?
• Which universities across the globe are most heavily using the dissertations created at our university?
• Are faculty advising a greater or fewer number of students compared to our peer universities?
What will be the ramifications of universities having access to these types of metrics? Which additional metrics are of interest to the community? This presentation will explore these questions and others.

http://www.metaarchive.org/projects/imls
NYU and UC Berkeley, Looking Outside to Improve Inside: Using Peer Benchmarking to Plan for the Future of Research and Teaching Technologies

David Greenbaum
Director, Research Information Technologies
University of California, Berkeley

Lynn Rohrs
Director, eSystems and Research Services
New York University

Jenn Stringer
Associate Chief Information Officer, Academic Engagement
University of California, Berkeley

In the last year, both New York University (NYU) and the University of California Berkeley (UCB) needed to develop new strategic plans for research, teaching, and learning technologies. NYU had to determine how to support a major initiative to expand research that included adding large numbers of additional research faculty and four new science-based graduate programs. In response, the NYU central information technology organization and the University Library developed a methodology for prioritizing research support needs by benchmarking themselves with more than a dozen peer institutions. UCB has embarked on a collaborative planning effort between the Educational Technology, Research Technology, and Library Services groups. UCB has borrowed and adapted NYU's methodology as the starting point for a planning and community building initiative across the campus. This talk will present early results of the peer benchmarking and discuss how the methodology is being used to determine which services to invest in, how to strengthen collaborations across campus, and how to support staff development.

http://ets.berkeley.edu/rae
TUESDAY, DEC. 10
1:00-2:00 PM
The App as a Metaphor for Learning Objects and Tools

Sandra DeCastro
Vice President, Community Programs
IMS Global Learning Consortium

In the last five years the mobile app has transformed and revolutionized software development by moving from a small number of large all-inclusive applications to hundreds of thousands of small, but focused, applications that provide specialized niche solutions. This session will describe a model for extending the app concept to learning objects and learning tools so that instructors and students can create custom learning solutions. The session will include discussion of relevant standards that make this possible and a new effort being launched by IMS Global to provide the necessary infrastructure for learning apps to flourish.
SHARE Update: Higher Education and Public Access to Research

Rick Luce  
Associate Vice President for Research  
and Dean, University Libraries  
University of Oklahoma

MacKenzie Smith  
University Librarian  
University of California, Davis

This briefing will provide an update on the vision, goals, and progress of the SHared Access Research Ecosystem initiative (SHARE). SHARE is a cross-institutional coordination framework to ensure access to, preservation and reuse of, and policy compliance for funded research. SHARE is a collaborative effort of the Association of Research Libraries, the Association of American Universities, and the Association of Public and Land-grant Universities.

http://www.arl.org/share
Update From Federal Funding Agencies

Robert Horton
Associate Deputy Director
Institute of Museum
and Library Services (IMLS)

Kathleen Williams
Executive Director,
National Historical Publications
and Records Commission (NHPRC)
National Archives and
Records Administration (NARA)

Joel Wurl
Senior Program Officer
National Endowment for the Humanities
(NEH)

Staff from the Institute of Museum and Library Services (IMLS), the National Endowment for the Humanities (NEH), and the National Historical Publications and Records Commission (NHPRC) will present updates on agency priorities and policies, along with their implications for funding. They will particularly address new approaches to impact and evaluation.
Archivists and Activists: You Don't Get to Non-Traditional Collections with Traditional Collectors

Todd Grappone  
Associate University Librarian for Digital Initiatives and Information  
Technology  
University of California, Los Angeles

Sharon E. Farb  
Associate University Librarian for Scholarly Communication  
University of California, Los Angeles

Ali Jamshidi  
Curator for International Digital Ephemera  
University of California, Los Angeles

By working with activists and technologists in the Iranian Green Movement the University of California, Los Angeles has developed a significant collection of software packages, logs, and applications that effectively document the technological history of this movement. Along with the technology, a substantial collection of videos, photographs, and posters has also been gathered. The collection highlight consists of thousands of videos gathered during the protests. These videos were downloaded more than three million times from in country. These videos combined with the images, Web logs, and other materials, are historically significant as they are part of the first ever "digital revolution" which preceded the Arab Spring. This presentation will include discussion of the collection, curation and preservation of this content from libraries' and activists' perspectives, as well as technological issues.
Sldora: A Software Environment for Supporting Research at the Smithsonian

Thorny Staples
Director, Office of Research
Information Services
Smithsonian Institution

The Office of Research Information Services (ORIS) was created, within the Office of the Chief Information Officer (OCIO), to address the need to manage the digital output of all of the research activities of the institution. ORIS has built a first pilot system of Sldora, a general information architecture and software environment based on Islandora and Fedora that is designed to be used by Smithsonian researchers to capture and organize the digital "evidence" as they create it in their research process, and use it directly in their analysis and dissemination activities. The goal is to actively support the research process as it unfolds, leaving behind a coherent expression of the digital content for a complete research project that can permanently stand alongside related publications. The Sldora architecture, which is designed to manage research output as if it were part of a network of information, will be presented and the first version of the software will be demonstrated for managing the excavation evidence of a complete archaeological site in Panama, and for an international study of mammal populations. The demonstration will show how the system enables researchers to manage and describe their own data, use it with Taverna workflows for analysis, and to expose sets of durable resources to be cited in publications.
Toward a Sustainable Approach to
Open Access Publishing and Archiving

Rebecca Kennison
Director, Center for Digital Research
and Scholarship
Columbia University

Lisa Norberg
Dean of the Library and Academic
Information Service
Barnard College

In the 11 years since the Budapest Open Access (OA) Initiative launched what is now known as the "OA movement," considerable strides have been made toward widespread adoption of the principles of OA. Practice, however, has lagged behind, as both credibility and business models have struggled to gain traction. The transition to OA from subscription-based society publishing operations in humanities and social sciences has been particularly difficult, for reasons that expose the limitations of the current OA models: articles are not the only publication type of value or even the most valued type of publication; external funding for research is minimal or non-existent; these societies consider their publications to be the primary benefit they offer their members and many find it difficult to imagine how they would support their society's activities if their current publishing operation were to change.

The proposal offered in this briefing tackles head-on the major drawback to the predominant OA business model at the heart of the complaints: that it is based on micropayments made by individuals for only certain types of publications. The alternative model described in this presentation, in contrast, asks tertiary institutions to contribute to systemic support of the research process itself, including its entire scholarly output, whether article, monograph, dataset, conference presentation, or format not yet envisioned. This model looks to societies to play a central, rather than peripheral, role within the scholar communication ecosystem, and for academic libraries to become true partners with them.

This presentation will outline the proposal with the goal of engaging the audience in a conversation about the pros and cons of the proposed model.

http://bit.ly/196l6zA