Coalition for Networked Information
Spring 2015 Membership Meeting

April 13-14, 2015
Seattle, WA

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MONDAY, April 13

8:30 a.m.	**Executive Roundtable** (*Vashon II*) prior registration only
11:00 a.m.	**Registration Opens** (*Grand BR Foyer I & II*)
11:30 a.m.	**Orientation for First-Time Attendees** (*Grand BR III*)
12:15 p.m.	**Break** (*Grand BR Foyer I & II*)
1:00 p.m.	OPENING PLENARY SESSION (*Grand BR I*) **Brewster Kahle, Internet Archive** ***Providing Universal Access to Modern Materials —and Living to Tell the Tale***
2:00 p.m.	**Break** (*Grand BR Foyer I & II*)

MONDAY, April 13

2:30 p.m. PROJECT BRIEFINGS

Visualization on the Big Screen	*Grand BR I*
What Price Open Access?	*Grand BR II*
Building Expertise to Support Dig. Scholarship	*Cascades A/B*
Develop/Test Research Data Pres. Workflows	*Grand Crescent*
Change in Software Sustainability Models	*Vashon II*
Less Code, More Product	*Orcas*
Stewarding Scholarly Record at the U. of Arizona	*Whidbey*

3:30 p.m. **Break** (*Grand BR Foyer I & II*)

4:00 p.m. PROJECT BRIEFINGS

Social Networks and Archival Context	*Grand BR I*
SHARE Project Update	*Grand BR II*
Electronic Laboratory Notebooks	*Cascades A/B*
IU Media Digitization & Pres. Initiative	*Grand Crescent*
Describing/Assessing Library/Learning Spaces	*Vashon II*
New Library/IT Service Models	*Orcas*
Ada: Open Peer Review Multi-modal Journal	*Whidbey*

5:00 p.m. **Break** (*Grand BR Foyer I & II*)

5:15 p.m. PROJECT BRIEFINGS

Integrating Digital Epigraphies	*Grand BR I*
Smithsonian's Plan for Access to Federally Funded	*Grand BR II*
Software Curation as a Digital Pres. Service	*Cascades A/B*
Microsoft Academic	*Grand Crescent*
Framework for IR Benchmarking	*Vashon II*
Simplifying Learning Analytics	*Orcas*
Mobile Technology Support for Field Research	*Whidbey*

6:00 p.m. **Reception** (*Grand BR III*)

CNI Spring 2015
Membership Meeting
SCHEDULE-AT-A-GLANCE

TUESDAY, April 14

7:30 a.m. **Breakfast** (*Grand BR II*)

9:00 a.m. PROJECT BRIEFINGS

Public Video Walls in an Academic Library	*Grand Ballroom I*
Innovative Uses of Islandora (Repository Platform)	*Grand Crescent*
Challenges Presented by Institutional ID's	*Cascades A/B*
Challenges Providing Accessible Digital Content	*Vashon II*
Transforming Organizations, New Partnerships	*St. Helens*
Integration of Research Literature & Data (InFoLiS)	*Olympic*
Ontario Library Research Cloud	*Orcas*

10:00 a.m. **Break** (*Grand BR Foyer I & II*)

10:30 a.m. PROJECT BRIEFINGS

Platform for Partnership: UCLA Library/Campus	*Grand Ballroom I*
Value of Reading-list Technology, Integrating Libraries	*Grand Crescent*
Annotated Manuscripts in the IIIF Environment	*Cascades A/B*
Setting a Security & Privacy Agenda: CNI Mtg Report	*Vashon II*
Digital Preservation Network Progress Report	*St. Helens*
Moving Ahead with Fedora 4	*Olympic*
Enduring Access to Rich Media Content	*Orcas*

11:45 a.m. **Lunch** (*Grand BR II*)

1:00 p.m. PROJECT BRIEFINGS

BIBFLOW: Linked Data	*Grand Crescent*
Building a Vast Library of Life	*Cascades A/B*
3D Printing Trends	*Vashon II*
Supporting Data Visualization at Scale	*St. Helens*
Implementing/Sustaining New Information Services	*Olympic*
The Academic Preservation Trust: Report	*Orcas*

2:00 p.m. **Break** (*Grand BR Foyer I & II*)

2:15 p.m. CLOSING PLENARY SESSION *(Grand Ballroom I)*
Carole Palmer, University of Washington Information School
Realizing the Potential of Research Data

3:30 p.m. Meeting Adjourns

Providing Universal Access to Modern Materials —and Living to Tell the Tale

Brewster Kahle

Digital Librarian and Founder
Internet Archive

The Internet Archive started by archiving the Web, but now works with hundreds of librarians and partners to create digital collections both centralized and distributed. The challenges of presenting modern materials yield different solutions for each media type. Kahle will share his vision of how cooperation, shared technology and risk can result in many winners in the digital library world.

https://archive.org/

About the Speaker:

A passionate advocate for Open Internet access and a successful entrepreneur, Brewster Kahle has spent his career intent on a singular focus: providing Universal Access to All Knowledge. Since the mid-1980s, Kahle has focused on developing technologies for information discovery and digital libraries. In 1989 he invented the Internet's first publishing system, WAIS (Wide Area Information Server), and in 1996, Kahle founded the Internet Archive, one of the largest digital libraries in the world. Kahle is a Fellow of the American Academy of Arts and Sciences, a member of the National Academy of Engineering, and the Internet Hall of Fame; he serves on the boards of the Electronic Frontier Foundation, Public Knowledge, the European Archive, the Television Archive, and the Internet Archive.

CLOSING PLENARY SESSION
Tuesday April 14, 2015
2:15-3:30 p.m.
Grand Ballroom I

Realizing the Potential of Research Data

Carole L. Palmer

Information School
University of Washington

Efforts to harness and exploit digital research data have proliferated at a dizzying pace. As the discourse on big data and data science continues to get wider and louder, expectations for data sharing and cross-disciplinary access and use intensify. Yet, our base of fundamental knowledge on data is, at best, nascent and scattered. To achieve the envisioned potential of science with data, we need to invest in the science of data. Drawing on my experience with several research and education initiatives in data curation, I will discuss factors that make data valuable and sharable within and across research cultures, and the changing demands for data curation expertise and responsibility in research libraries, data centers, universities, and the corporate sector. With data as the object of study and focus of education, we can move toward coherent centers of excellence in data resources and services and gain a better return on our investment in the promise of abundant data.

https://ischool.uw.edu/people/faculty/clpalmer

About the Speaker:

Carole Palmer is Professor and incoming Associate Dean for Research in the Information School, and affiliate faculty of the eScience Institute, at the University of Washington. Her work focuses on data curation and digital research collections for interdisciplinary science and scholarship.

Monday, Apr 13, 2015
2:30-3:30 PM
Grand Ballroom I

Visualization on the Big Screen: Hands-on Immersive Environments Designed for Student and Faculty Collaboration

Bryan Sinclair
Associate Dean, Public Services, Library
Georgia State University

Jill Sexton
Head of Digital Research Services, Libraries
University of North Carolina Chapel Hill

Joseph Hurley
Interim Director, Collaborative University Research & Visualization Environment, Libraries
Georgia State University

Large-scale panoramic displays designed for collaboration can change users' perspective and reframe and amplify digital content in a shared pixel space. Many universities have implemented large-scale displays, but they are often in areas that restrict access to the equipment and require staff mediation for use. Additionally, dedicated staff may be required to program content for the walls, limiting the variety of content displayed. This presentation covers efforts at the libraries at Georgia State University and the University of North Carolina (UNC) at Chapel Hill to implement immersive display technologies that allow unmediated patron access and reduce the amount of staff time required to support the technologies. Georgia State University Library's newly-opened CURVE: Collaborative University Research & Visualization Environment features the latest visualization technologies, including an immersive, 24-foot-wide "interactWall" for up-close interaction and engagement with digital content. While much of the planning for CURVE focused on the hardware, the overall design was influenced by the new types of digital scholars and learners who will be using this technology. UNC Chapel Hill's Research Hub supports technology-enabled, interdisciplinary research, providing consulting, software, and equipment for data visualization, data management, GIS services, makerspaces, and digital humanities. The Hub features the Liquid Galaxy, a large display used to visualize geospatial data. Existing staff strengths, campus interest in geospatial technologies, and cost

considerations drove UNC's decision to purchase this system. Topics in this presentation include a review of the planning process, funding, and design thinking that went into building these systems and spaces, and a discussion of next steps such as staffing needs, training, on-going assessment. Examples of student and faculty projects will be used to illustrate points throughout.

CURVE at Georgia State University Library - http://curve.gsu.edu
The Research Hub at UNC Chapel Hill Libraries - http://library.unc.edu/hub
CURVE Design and Planning - http://research.library.gsu.edu/curve
Liquid Galaxy Puts Davis Library on the Map - http://bit.ly/liquid-galaxy
University Library as Incubator for Digital Scholarship - http://bit.ly/sinclair-incubator

Monday, Apr 13, 2015
2:30-3:30 PM
Grand Ballroom II

What Price Open Access?

Stuart Shieber
James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science
Harvard University

Ralf Schimmer
Head of Information
Max Planck Digital Library

Ivy Anderson
Director of Collections
California Digital Library

This session will report on efforts at the University of California, the Max Planck Society, Harvard University and several other partners to explore the economic feasibility of a transition to a more open, sustainable, and efficient journal literature under a gold open access (OA) publication model. Most studies of the potential impact of a shift to gold OA journals funded through article processing charges (APCs) contend that such a shift would be unaffordable for research-intensive institutions, where the majority of research output is concentrated. However, available studies on this topic frequently rely on simple models that fail to take into account the full range of factors that may affect the cost of gold OA to an individual institution, such as co-authorship patterns among institutions, the potential use of sponsored research funding to subvent publication costs, and emerging business models aimed at bringing down the cost of peer review and dissemination. In this session we will present preliminary findings from separate analyses and case studies at the University of California and the Max Planck Society and describe an extensive, multi-pronged study being undertaken in 2015 by the University of California and three major university partners under the auspices of The Andrew W. Mellon Foundation to model the potential impact of gold OA on North American research institutions. The goal of the session is to initiate a discussion among the various stakeholders in scholarly communication about the feasibility of such a transition in light of the rapid expansion of OA in Europe and elsewhere. European funding agencies, both public and private, are implementing OA policies that require or support gold OA, while in the US, the White House Office of Science and Technology Policy (OSTP) has asked all major government funding agencies to provide their own plans for providing open access to their supported research literature, and other major funders, such as the Bill and

Melinda Gates Foundation, are also implementing such policies. As these developments unfold, many worry where the money will come from to support them and what consequences, intended or unintended, they are likely to have. The results of the growing APC handling experience at the Max Planck Society suggest that full gold OA in a prolific research organization can be achieved within existing subscription spending levels. If these findings are replicable in North America, such a perspective could open the way to new cost allocations and more robust support infrastructures for open access publishing.

http://icis.ucdavis.edu/?page_id=286

Monday, Apr 13, 2015
2:30-3:30 PM
Cascades A/B

Building Expertise to Support Digital Scholarship: A Global Perspective

Vivian Lewis
University Librarian
McMaster University

Lisa Spiro
Executive Director, Digital Scholarship Services
Rice University

Xuemao Wang
Dean and University Librarian
University of Cincinnati

Jon E. Cawthorne
Dean of Libraries
West Virginia University

What skills, knowledge, competencies and mindsets are important to the practice of digital scholarship? How is this expertise best developed? Does the shape of this expertise vary around the world? This presentation will present key results from our pilot global benchmarking study on digital scholarship expertise, a planning grant funded by the Andrew W. Mellon Foundation. We visited leading digital humanities and digital social science organizations in the United Kingdom, Germany, China, India, Taiwan, Mexico, the United States and Canada, conducting interviews with research staff, faculty, graduate students, and administrators in order to understand the core skills required for digital scholarship and the characteristics of organizations that cultivate these skills. Our study demonstrated the importance of collaborative competencies and learning mindsets as well as technical skills, domain knowledge, methodological competencies, and management skills. In addition, we observed that most digital scholars--particularly more senior ones--acquired their expertise through self-education, but that they also benefit from belonging to lively communities of practice. While our study did not include enough sites to allow us to generalize about the similarities and differences between digital scholarship organizations around the world, we did note the significance of factors such as funding, history, and career structures in informing the shape of digital scholarship expertise in local contexts.

http://libapps.libraries.uc.edu/blogs/dsgrant/

Monday, Apr 13, 2015
2:30-3:30 PM
Grand Crescent

Collaborating to Develop and Test Research Data Preservation Workflows

Geoff Harder
Associate University Librarian
University of Alberta

Leanne Trimble
Data and Geospatial Librarian
Scholars Portal

Dugan O'Neil
Chief Science Officer
Compute Canada

Brian Owen
Associate University Librarian
Simon Fraser University

Martha Whitehead
Vice-Provost and University Librarian
Queen's University

In recent years, research data management services have been emerging in academic libraries across Canada, but with uneven availability and fledgling infrastructure. In 2014, the Canadian Association of Research Libraries (CARL) launched a project to develop a national research data management network that would be a collaborative undertaking by academic libraries and national cyberinfrastructure providers. This initiative, now named Portage, looked at leveraging existing open source tools and local/regional initiatives already underway with a view to scaling them to the national level. During the pilot year the groundwork was laid for a preservation and discovery network that addresses the full lifecycle for research data. It has demonstrated it is feasible to connect commonly used data management systems and virtual research environments such as Dataverse and Islandora with digital preservation systems such as Archivematica, and deposit the resulting archival information packets on storage systems such as the Ontario Library Research Cloud and the national high performance computing network provided by Compute Canada. With support from Research Data Canada and CANARIE, the Portage team and Compute Canada worked together to build this model. Compute Canada also tested a new data publication service offered by Globus, a service that already supports high-speed data replication across Compute Canada nodes. In this session, three different data workflows will be discussed: Islandora-Archivematica, Dataverse-Archivematica and Globus. Other key elements of Portage will also be outlined, including the development of a network of expertise that will provide free access to research data management tools and resources and manage the Portage Data Management Plan Builder.

Monday, Apr 13, 2015
2:30-3:30 PM
Vashon II

Navigating Change in Software Sustainability and Business Models

Timothy M. McGeary
Associate University Librarian for Information Technology Services
Duke University

Michael Winkler
Director, Information Technology and Digital Development
University of Pennsylvania

Carlen Ruschoff
Director of Technical Services
University of Maryland, College Park

In fall 2014, the Kuali Community re-evaluated its approach to community-sourced software and endorsed a professional open source business model around a newly formed for-profit software services company, KualiCo. In this session, Kuali OLE representatives showcase the opportunities/challenges their project faced to complete short-term goals and maintain long-term sustainability. We will discuss how the project was impacted, our institutions' reactions, and the process the partnership used to chart its course forward with lessons for other open source higher education communities.

http://www.kuali.org/ole

Monday, Apr 13, 2015
2:30-3:30 PM
Orcas

Less Code, More Product:
Leveraging Open Source Technologies to Develop Digital Library Collections

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

Stephen Davis
Director, Libraries Digital Program Division
Columbia University

Carole Ann Fabian
Director, Avery Architectural and Fine Arts Library
Columbia University

Over the last 10 years, the research library community has made significant investments in developing and utilizing open-source software products to build sustainable digital library infrastructure and services at scale. Community-driven open standards, data formats, protocols and governance are crucial to fulfilling the objective of scalable preservation and access infrastructure. Our collective investments in such development has the further benefit of helping reduce the amount of locally written code while delivering more "product" in the form of online archives, digital collections, exhibitions and services, offering flexible solutions to unique requirements. A good example of the benefits of leveraging open-source infrastructure can be seen in Columbia University's Seymour B. Durst Old York Library project. In August 2011, Columbia received a substantial gift of New York-related materials from the Old York Foundation together with supporting funds to accession, process and produce a digital library based on the materials. The gift funded digitization of this large and unique collection and provided capacity-building funding that helped us to explore new project management models, establish new collaborative workflows and production processes, and expand development of our digital library infrastructure and feature set. The session will include an overview of Columbia's strategy for leveraging community-based, open approaches to digital library infrastructure and also describe the specific set of open-source technologies used to implement this and other digital library projects. It will also describe how the Old York Library project helped to accelerate our development efforts, reduce the amount of locally written code, and build more sustainable approaches to meet the needs of unique and distinctive digital collections.

Monday, Apr 13, 2015
2:30-3:30 PM
Whidbey

Stewarding the Scholarly Record at the University of Arizona

Maliaca Oxnam
Associate Librarian, Vitae Project Manager, Libraries
University of Arizona

Kimberly Chapman
Director, Campus Repository Services
University of Arizona

Jeremy Frumkin
Assistant Dean for Technology Strategy
University of Arizona

The University of Arizona (UA) Libraries has an evolving strategy to steward the scholarly record of the institution. As a key component of this strategy the Libraries have a leadership role in implementing UA Vitae, a mandated online faculty activity reporting system with initial focus on supporting the faculty evaluation process. In partnership with the Office of the Provost and Campus Computing, the Libraries contribute expertise in support of this campus initiative. Leveraging the data from this effort to capture a more holistic view of the scholarly record provides opportunities for the Libraries to partner on approaches to utilizing, stewarding, and exposing the scholarly record. This presentation will describe the University and the Library's evolving strategies in regard to defining and stewarding the scholarly record, our experiences with the build-out of the faculty activity reporting system, and next steps in bringing together information and systems that are transforming our University.

http://uavitae.arizona.edu

Monday, Apr 13, 2015
4:00-5:00 PM
Grand Ballroom I

Social Networks and Archival Context: From R&D to Cooperative Program

Daniel Pitti
Associate Director, Institute for Advanced Technology in the Humanities
University of Virginia

Brian Tingle
Technical Lead, Access & Publishing, California Digital Library
University of California Office of the President

Social Networks and Archival Context (SNAC [2010-]), currently a research project, is in the early stages of being transformed into an international archival description cooperative hosted by the U.S. National Archives and Records Administration. The long-term technological objective for the Cooperative is a platform that will support a continuously expanding, curated corpus of reliable biographical descriptions of people linked to and providing contextual understanding of the historical records that function as primary evidence for understanding their lives and work. In the research phase, SNAC has demonstrated that the descriptions of people embedded in archival descriptions of historical records can be extracted and assembled into a social-document network. This network provides the foundation for a History Research Tool that provides integrated access to dispersed historical resources as well as the social and historical context for understanding and interpreting the resources. The Cooperative will be responsible for the ongoing expansion and curation of the assembled SNAC social-document data and the ongoing development of the History Research Tool.

http://socialarchive.iath.virginia.edu/

Monday, Apr 13, 2015
4:00-5:00 PM
Grand Ballroom II

SHARE Project Update

Judy Ruttenberg
Program Director
Association of Research Libraries

Jeff Spies
Co-founder, Chief Technology Officer
Center for Open Science

In April 2015, SHARE (Shared Access Research Ecosystem) and the Center for Open Science will release SHARE Notify, the public beta release of the SHARE Notification Service. It includes data from a number of academic institutions, publishers, data repositories, and others in the research ecosystem. In this briefing, project leaders will demonstrate the service, describe plans for expansion of data providers through self-registration and push API, and discuss the focus on metadata enhancement in Phase II of SHARE.

http://www.share-research.org

Monday, Apr 13, 2015
4:00-5:00 PM
Cascades A/B

Electronic Laboratory Notebooks: More than Notes

Alan Wolf
Assistant Chief Information Officer
for Advanced Computing
University of Wisconsin - Madison

Jan Cheetham
Research and Instructional
Technologies Consultant
University of Wisconsin - Madison

After a number of years experimenting with and evaluating Electronic Lab Notebooks (ELN), the University of Wisconsin-Madison rolled out an ELN service to campus researchers in the fall of 2014. The ELN service is one of our first enterprise tools that is specifically designed to manage data coming from research labs. Our implementation is firmly grounded in our campus data stewardship policy, which requires the full knowledge and control of data in the system by the principal investigator of the research. While this slows adoption rate, it has introduced many opportunities for educating researchers about data management practices and for gaining insight into how research data is recorded and documented in campus labs. The ELN represents a substantial step forward in stewardship of research data but there is still much to be learned about the longevity of digital notebook records: which formats best preserve the record of discovery, how to archive attached data files, and what approach will enable researchers to move seamlessly from active work on a project and its data to creating an archive of the work. As more institutions adopt ELNs as a part of their data management strategy, we wish to begin a discussion of ELN implementation and preservation at a national level.

http://eln.wisc.edu

Monday, Apr 13, 2015
4:00-5:00 PM
Grand Crescent

Indiana University's Media Digitization and Preservation Initiative

Julie Hardesty
Metadata Analyst, Library Technologies
Indiana University Bloomington

Jon W. Dunn
Interim Assistant Dean for Library Technologies
Indiana University Bloomington

Indiana University (IU) has embarked on an ambitious plan to digitize all audio and video objects on its campuses judged to be important by experts by the time of the University's bicentennial in 2020. The collections to be digitized include nearly 300,000 objects held by over 80 campus units. The project is supported in part by $15 million in funding from the offices of the President, Provost, and Vice President for Research and is being carried out under the joint direction of IU's Chief Information Officer and Dean of University Libraries. Preservation-level digitization will be conducted in partnership with a private vendor and is scheduled to begin in spring 2015. In this session, we will provide an overview of the initiative, cover the planning efforts and prior work that led to this project, and discuss work to date and plans in the areas of inventory, selection, prioritization, physical logistics, digitization, quality control, digital preservation, rights, and online access. Time will be provided at the end for audience discussion of considerations and challenges in the mass digitization of audiovisual materials.

http://mdpi.iu.edu/

Monday, Apr 13, 2015
4:00-5:00 PM
Vashon II

Space: Describing and Assessing Library and Other Learning Spaces

Joan Lippincott
Associate Executive Director
Coalition for Networked Information

Bob Fox
Dean of Libraries
University of Louisville

Martha Kyrillidou
Senior Director, Statistics and Service Quality Programs
Association of Research Libraries

Colleges and universities are investing in revamping their spaces to meet student and faculty needs. As collaborative, shared and digital library collection development matures, the print record that occupies library shelves representing the intellectual work of our students and faculty is utilized less frequently compared to the digital record. The miles of open physical shelving housing print books and journals that have occupied prime real estate on campuses to facilitate access to the print record are being rethought, re-imagined and redesigned. Shared and/or remote physical storage houses our less frequently used print record. Library space is being re-conceptualized as environments where our students and faculty can achieve increased inspiration, enhanced productivity, and improved learning and research outcomes.

There is a need to capture information about the transformation and evolution of library spaces. Classroom and other spaces are also transforming in the academy to be more effective conduits for student learning, graduate studies, and faculty research.

The presenters will discuss a variety of approaches that organizations are undertaking, ranging from the Association of Research Libraries Facilities Inventory to the FLEXSpace effort to the Learning Space Rating System at ELI/EDUCAUSE. The team will present results of pilot efforts and lessons learned to date.

Monday, Apr 13, 2015
4:00-5:00 PM
Orcas

New Library/IT Service Models

Allan Bell
Associate University Librarian, Digital Programs and Services
The University of British Columbia

Mark Dehmlow
Program Director, Library Information Technology
University of Notre Dame

"A Partnership and New Model for UBC Library IT in the 21 Century" (Bell)

In November 2013 The University of British Columbia (UBC) Library and UBC Information Technology (IT) announced a new partnership in the resourcing and management of UBC Library's IT. While a challenge to the Library's IT service model, this opportunity benefits the Library greatly as it makes efforts to contextualize its place and role within the 21st century academic environment. From January to May 2014, the Library and UBC IT conducted a comprehensive assessment employing business analysis, enterprise architecture and infrastructure review practices. The purpose of the assessment was to determine the Library's operational needs and the IT infrastructure and services required to sustainably support the Library and its users by UBC IT. This presentation will report on the assessment process, findings, recommendations and transition to service design process.

"Movin' On Up: Planning for Moving an Academic Libraries' Infrastructure to the Cloud" (Dehmlow)

As a part of a consortia of universities involved in early exploration of a comprehensive cloud strategy for academia, the University of Notre Dame was a co-author of the Cloud Strategy for Higher Education white paper published in November of 2014. Since that time, Notre Dame's Office of Information Technology (OIT) has devised a "Cloud First" strategy to move 80% of its technical infrastructure into the cloud by the end of 2017. As a campus technology partner, the Hesburgh Libraries has begun planning for how we will bring our technological infrastructure in aligment with the central IT plan. Putting infrastructure into the cloud represents a radical shift in mindset for technology planning, shifting thinking about technology from assets that need replacement every five to seven years to thinking about IT as a monthly utility/service. This presentation will cover how the Hesburgh Libraries is shaping our

plan to move a significant amount of our infrastructure into the cloud and the phases we have devised to meet the OIT's 3 year plan. The presentation will include background on the University's decision to move so much infrastructure to the cloud, our experimentation in Amazon Web Services (AWS), and how AWS differs from the organization's current infrastructure, the assessment of the library service catalog, both in terms of function and usage, the determination of which hosting model meets the needs of our services (SaaS, PaaS, IaaS, or On-Premises), how we will budget for the move, planning for the migration and roll out, and any other considerations libraries may need to evaluate in this process.

Monday, Apr 13, 2015
4:00-5:00 PM
Whidbey

Publishing Ada: A Retrospective Look at the First Three Years of an Open Peer Review Multi-modal Journal

Karen Estlund
Head, Digital Scholarship Center
University of Oregon

Sarah Hamid
Fembot Webmistress /
Graduate Research Fellow
University of Oregon

Bryce Peake
Julie & Rocky Dixon Doctoral
Research Fellow in Graduate
Innovation
Intel Labs / University of Oregon

At the CNI spring 2012 meeting, we presented on a new collaborative journal publishing project from The Fembot Collective and the University of Oregon (UO) Libraries, *Ada: A Journal of Gender, New Media, and Technology*. The Fembot Collective is a collaborative of feminist media scholars, producers, and artists engaged with the intersection of new media and technology and scholarly communication. One aspiration of this project was to reclaim the means of scholarly production through a community-centered model of open peer review and multi-modal publication processes. As a work in progress, Ada has continuously evolved to meet the needs of diverse authors, readers, and commentators. In the face of changing scholarly communication practices, the Fembot and library collaboration offers an alternative system of open-access publication and review that recaptures academic production structures in favor of cross-disciplinary, multi-modal, collaborative knowledge. Our community standards state that "responding is political work" emphasizing a space that demands constant redirection and active participation by its collaborators in order to generate new expressions of feminist open access scholarship over time. Now in our third year of publication and working on our ninth issue, we will review lessons learned about audience, production, infrastructure, design and assessment. We will discuss the ways in which our intervention has been transformed by, while also transforming, discussions about participatory media, open and collaborative peer review, production costs, and the intersections of technical and intellectual labor.

http://adanewmedia.org
http:/fembotcollective.org
https://library.uoregon.edu/digitalscholarship

Monday, Apr 13, 2015
5:15-6:00 PM
Grand Ballroom I

Integrating Digital Epigraphies

Joshua D. Sosin
Associate Professor of Classical Studies and History;
Director, Duke Collaboratory for Classics Computing
Duke University

Integrating Digital Epigraphies (IDEs) aims to provide core disciplinary infrastructure for the field of Greek epigraphy, such as we have built already for documentary papyrology. In the papyrological space Duke and its partners share direct control over all data (texts, images, translations, institutional catalog records, bibliography, geo-data, for ancient papyrus documents). But under IDEs, the Duke team enjoys no direct control over any partner data. Partners include Brill's SEG Online, Packard Humanities Institute's Greek Epigraphy Project, Diccionario Griego-Español's Claros Epigraphy Database, JSTOR, as well as open-licensed images harvested from Flickr, which represent a variety of funding, licensing, and curation models. Thus, instead of building an environment that allows the community of epigraphists to curate these linked data streams directly (which our partners do not contemplate), we are building a set of services that align related data across the multiple resources, support user-based assertion of relationships across resources, mint and manage identifiers for those assertions and relationships, support annotation (comment, translation, text-to-image mapping, *vel sim.*) within and across resources. In short, we are trying to provide all of the full-bore community-driven curation that papyri.info delivers but in a fully abstracted and independent layer.

papyri.info

Monday, Apr 13, 2015
5:15-6:00 PM
Grand Ballroom II

For the Increase and Diffusion of Knowledge: The Smithsonian's Research Online (SRO), Supporting Smithsonian Institution's Plan to Provide Increased Public Access to Federally Funded Publications and Digital Research Materials

Martin R. Kalfatovic
Associate Director, Libraries
Smithsonian Institution

Smithsonian Research Online (SRO) is a key tool in the Smithsonian's goal to implement the White House's "Increasing Access to the Results of Federally Funded Scientific Research" mandate. A pan-Smithsonian team developed the Smithsonian Institution plan and draft Implementation Manual that will meet the requirement laid out by the Office of Science and Technology Policy (OSTP). The existing SRO platform (and associated digital repository) will serve as key components of the Smithsonian's plan which will also use additional tools and resources being developed by the wider Association of Research Libraries and publishers community. The Smithsonian OSTP Plan was a cooperative response developed by Smithsonian Libraries, Smithsonian Institution Scholarly Press, Smithsonian researchers, the Office of General Counsel, and the Office of the Chief Information Officer, under the guidance of the Smithsonian's Deputy Under Secretary for Collections and Interdisciplinary Support. This session will outline the interactions of the various portions of the draft plan and its manifestation in a non-university environment.

http://research.si.edu

Monday, Apr 13, 2015
5:15-6:00 PM
Cascades A/B

Software Curation as a Digital Preservation Service

Keith Webster
Dean of Libraries
Carnegie Mellon University

Euan Cochrane
Digital Preservation Manager
Yale University

Libraries have served their universities in part through their robust access to and preservation of the scholarly record. Two libraries are now considering how to expand this responsibility to include executable content, such as software, models, and educational games. Yale has been evaluating the bwFLA Emulation as a Service software with a goal of production implementation next year. The evaluation has identified numerous use cases for the software and a number of scholars who would benefit from its implementation. At Carnegie Mellon University the Olive project (Open Library of Images for Virtual Execution) has concluded proof of concept research funded by the Institute for Museum and Library Services and the Sloan Foundation.

https://olivearchive.org/
http://blogs.loc.gov/digitalpreservation/2014/08/emulation-as-a-service-eaas-at-yale-university-library/

Monday, Apr 13, 2015
5:15-6:00 PM
Grand Crescent

Microsoft Academic: Semantic Search and Proactive Discovery

Alex D. Wade
Director, Scholarly Communication
Microsoft Research

Web-scale search has been around for more than twenty years, and it is currently evolving beyond simple keyword based search to support better understanding of the content, large-scale mapping of the world's knowledge, and richer ways to elicit users intent. As a result, web-scale search can now provide richer discovery than ever before, and to bring the right content and answers to users when and where it is needed. This talk will cover several new approaches to academic information discovery and specifically how Microsoft Research is bringing academic knowledge to Bing and Cortana.

http://www.bing.com
http://academic.research.microsoft.com

Monday, Apr 13, 2015
5:15-6:00 PM
Vashon II

How Am I Doing? A Framework for IR Benchmarking

Ann Connolly
Director of Outreach and Scholarly Communication
bepress

A number of new rubrics purport to rank repositories against each other, as if to file them into a neat line from most to least successful. What are these rubrics actually measuring, though, and do they reflect how the institutional repository (IR) community measures its own success? With nearly 400 repositories as a sample group, we looked at how the IR community typically measures progress and compared that with three different ranking systems to see how they matched up. The results suggest that we need a new, platform-agnostic framework that allows institutions to measure themselves against their own unique missions and goals. In this presentation, we will propose a model that moves beyond one-size-fits-all ranking and instead focuses on benchmarking. Attendees are invited to bring their own repository mission statements and statistics.

Monday, Apr 13, 2015
5:15-6:00 PM
Orcas

Simplifying Learning Analytics via the Caliper Analytics™ Framework

Lisa Mattson
Chief Operating Officer
IMS Global Learning Consortium

As online, digital learning continues to grow, the ease of use of digital content, courseware, tools, and apps within the institutional setting and the interoperability of data available from these same resources is key to enabling personalized learning. Today most digital educational resources take months to integrate with institutional systems or are not integrated at all. As a result, the student learning data remains locked inside, where it is not readily usable by instructors or combinable with data from other systems. Caliper Analytics is a standards based learning measurement framework initiative under development by IMS Global Learning Consortium that combined with Learning Tools Interoperability™ (LTI) resolves the substantial lack of interoperability and consistency across the education ecosystem today as it relates to enabling learning data collection and leveraging of this data to enable analytics and other advanced data-informed capabilities. Along with the desire to capture analytics data, the need to provide a means for protecting student privacy is paramount. IMS has been working to identify a privacy profile that could help identify the data which is being captured and provide the ability for the student to have control over the dissemination of that data. This session will introduce Caliper Analytics and the initial privacy work IMS is undertaking.

http://www.imsglobal.org/caliper/index.html
http://www.imsglobal.org/IMSLearningAnalyticsWP.pdf

Monday, Apr 13, 2015
5:15-6:00 PM
Whidbey

Mobile Technology Support for Field Research

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

At the December 2013 CNI meeting I presented my early research on mobile technology support for field research. Since then I have a range of experience to report on including work with researchers throughout Bolivia, a research project in Cambodia, a local third-year biology class, and a multi-media app for a psychology research project. While my research covers a broad range of issues including data security and storage, and a wide range of hardware and software solutions, this presentation will focus on a platform of open source tools that includes Open Data Kit (ODK), Formhub and Enketo. The end result is a service offered by the library that is easy for campus researchers to adopt and tailor to their specific needs.

Tuesday, Apr 14, 2015
9:00-10:00 AM
Grand Ballroom I

Managing Public Video Walls in an Academic Library

Shawna Sadler
Director, Digital Library & Innovation
Deakin University

Mike Nutt
Digital Media Librarian
North Carolina State University

Renee Reaume
Acting Associate University Librarian
for Digital Library and Research
Technologies
University of Calgary

Video walls in public spaces are an exciting development for academic libraries and digital scholarship centers. This visually impressive technology empowers the library to communicate, inspire and engage our library users in exciting new ways. Managing these video walls is another matter. This emerging opportunity brings a range of challenges requiring a new approach to engagement, staffing, planning and operating budgets. Video walls are permanent installations requiring permanent attention and ongoing content refreshment. These kinds of library installations require new roles and infrastructure to acquire, curate, develop, store, and deliver multiple types of content, from static high-resolution imagery to interactive applications. This session will present an overview of video walls, articulate programmatic objectives, successes, lessons learned, future plans, and recommendations for other institutions who may consider installing a video wall as well.

http://lib.ncsu.edu/videowalls
https://blogs.deakin.edu.au/library-digital-innovations/

Tuesday, Apr 14, 2015
9:00-10:00 AM
Grand Crescent

Innovative Uses of Islandora: Three Use Cases

Kristian Allen
Programmer/Analyst, Digital Library
University of California, Los Angeles

Mark Jordan
Head of Library Systems
Simon Fraser University

Evelyn McLellan
President
Artefactual Systems Inc.

The Islandora repository platform is gaining popularity across many different types of institutions. Based on Fedora Commons, Drupal, and Solr, it is proving to be extremely flexible and adept at meeting new challenges. Each of the three panelists will present a use case that illustrates these attributes of Islandora: managing complex manuscript collections, a large-scale migration from another repository platform, and integration with the Archivematica digital preservation platform. All three examples also illustrate the importance of open technology, collaboration, and community.

Tuesday, Apr 14, 2015
9:00-10:00 AM
Cascades A/B

Challenges Presented by Institutional Identifiers

Karen Smith-Yoshimura
Program Officer
OCLC Research

Institutions wish to enhance and promote their reputation to attract funders and faculty and to increase their ranking. Since universities change their official names as part of branding activities, academic departments change their names to reflect new curricular emphasis, and schools merge with or separate from parent institutions, institutional identifiers are crucial to accurately represent scholars' affiliations both on their output and on grant applications. Institutions may not realize they already have such an institutional identifier, ISNI, and that this identifier has already been disseminated, used by ORCID and included in VIAF and Wikidata. This project briefing summarizes the current work of an OCLC Research task force on use cases and challenges of representing organizations in the ISNI database.

http://www.isni.org/content/oclc-research-partners-task-force-representing-organizations-isni

Tuesday, Apr 14, 2015
9:00-10:00 AM
Vashon II

Addressing Institutional Challenges to Providing Accessible Digital Content

Judy Ruttenberg
Program Director
Association of Research Libraries

Jonathan Lazar
Professor of Computer and Information Sciences
Towson University

Sheryl Burgstahler
Founder and Director, DO-IT Center
University of Washington

This session will address issues related to ensuring digital accessibility for people with disabilities to digital scholarly content, or providing services or platforms for that content. The presentation will include a review of some of the latest research and talk about two challenges for accessibility and universal design in higher education: faculty incentives and institutional transparency. The DO-IT (Disabilities, Opportunities, Internetworking, and Technology) Center at the University of Washington (UW) is an exemplar in addressing these challenges. UW's commitment to accessible technology is longstanding, predating even the Americans with Disabilities Act. Since 2006, UW has received National Science Foundation funding to build institutional capacity for Web accessibility and to expand opportunities for people with disabilities in computer science, and most recently, engineering.

Tuesday, Apr 14, 2015
9:00-10:00 AM
St. Helens

Transforming Organizations Through New Partnerships, Collaboration, and Agile Development

Nelson Vincent
Vice President of Informational Technology
Chief Information Officer
University of Cincinnati

Linda Newman
Head, Digital Collections and Repositories
University of Cincinnati

Xuemao Wang
Dean and University Librarian
University of Cincinnati

Ted Baldwin
Director, Science and Engineering Libraries
University of Cincinnati

Josette Riep
Associate Director of Information Technology
University of Cincinnati

During the last three years new leadership at the University of Cincinnati (UC) in many senior administrative positions has resulted in a rare culture of collaboration. This presentation will focus on the dynamic that has evolved among the Dean of Libraries, Vice President for Information Technology, and the Vice President for Research; discuss the development of the Research Hub@UC, which will deliver a profile-based customized suite of programs to researchers and scholars throughout the lifecycle; and explore a specific initiative (Scholar@UC) that demonstrates the depth of collaboration and its impact on the partners' cultures, particularly the libraries' at all levels. UC's research support ecosystem has been disjointed, incomplete, ignored, or simply hidden. To grow the university's research enterprise, these leaders realized that support programs throughout the research lifecycle had to be improved, expanded, and promoted. Presenters will discuss the successes and challenges of bridging different work cultures, funding development in a fiscally austere environment, and establishing collaborative models for operational support. To demonstrate the value and challenges of the partnership, including its impact on the cultures of each partner, presenters will explore two projects that have been enabled by the partnership, including the aforementioned Research Hub@UC and Scholar@UC, a faculty self-submission repository. Using these as case studies, presenters will discuss how agile (including open source) software development projects and broad system integration needs have enabled the partners to develop nimble, user-driven processes and a strong sense of risk taking to deploy new enterprise-wide systems in an environment of lean staff and resources.

Integration of Research Literature and Data (InFoLiS)

Katarina Boland
GESIS - Leibniz Institute for the Social Sciences, Cologne (Germany)

Philipp Zumstein
Mannheim University Library (Germany)

The goal of the InFoLiS project is to connect research data and publications. Links between data and literature are created automatically by means of text mining and made available as Linked Open Data (LOD) for seamless integration into different retrieval systems. This enables scientists to directly access information about corresponding research data in a literature information system, and, vice versa, it is possible to directly find different interpretations and analyses in the literature of the same research data. In our talk, we will describe our methods for generating the links and give insight into the Linked Data infrastructure including the services we are currently building. Most importantly, we will detail how our solutions can be used by other institutions and invite all interested participants to discuss with us their ideas and thoughts on the requirements for these services to ensure broad interoperability with existing systems and infrastructures. InFoLiS is a joint project by the GESIS - Leibniz Institute for the Social Sciences, Cologne, Mannheim University Library, and Mannheim University supported by a grant from the DFG - German Research Foundation.

https://github.com/infolis

Tuesday, Apr 14, 2015
9:00-10:00 AM
Orcas

On Building an Ontario Library Research Cloud for Shared and Distributed Digital Curation

Dale Askey
Associate University Librarian
McMaster University

Sian Meikle
Director, Information Technology Services
University of Toronto

Michael Vandenburg
Associate University Librarian
Queen's University

The Ontario Library Research Cloud (OLRC) is a geographically distributed storage and computing network being jointly developed by 11 of Ontario's university libraries. Initially scaled at 1.25 petabytes, the OLRC is being built with robust open source technologies and commodity hardware. It leverages and develops the technical expertise of the partner libraries and that of Scholars Portal, a service of the Ontario Council of University Libraries (OCUL), to provide the readily expandable, secure, and low-cost storage needed to sustain the partners' rapidly growing digital collections and provide for their long-term preservation. Development work is underway to integrate the OLRC's OpenStack Swift object store with repository applications in wide use at partner institutions, and to make OLRC storage directly available to researchers as web-addressable space. The OLRC will bring significant sources of digital content such as the text corpus of the planned Canadian Text Archive Centre together with tools to support research using methods such as text mining, entity recognition, topic modeling, and visualization. Currently, the OLRC's hardware nodes are being installed, after which the project will move into a testing phase in Q2 2015 with further development continuing over the next two years. The rationale for building a local cloud rather than using existing cloud services will be presented for discussion. Many facets of the OLRC (hardware choice, governance model, site selection parameters, etc.) would be directly applicable for other projects looking to achieve similar goals with a reasonable budget. The OLRC received significant funding from the Ontario Ministry of Training, Colleges, and Universities.

https://spotdocs.scholarsportal.info/display/ODLRC/About+the+OLRC

Tuesday, Apr 14, 2015
10:30-11:30 AM
Grand Ballroom I

A Platform for Partnership: Collaborating Across UCLA Library and Campus

Jillian Cuellar
Head, Center for Primary Research & Training and Digital Initiatives, Library Special Collections
University of California, Los Angeles

Jasmine Jones
Metadata and Technical Services Archivist
Smith College

Jennifer Weintraub
Digital Archivist
Radcliffe Institute for Advanced Study

Andrew Gomez
PhD Candidate in History
University of California, Los Angeles

The University of California, Los Angeles (UCLA) Library recently launched the Los Angeles Aqueduct Digital Platform (LAADP), an online educational resource featuring an archives portal that allows users to search thousands of digitized primary sources across the holdings of seven institutions and a scholarship section, which showcases digital research projects created by UCLA graduate students. The LAADP was developed in UCLA Library Special Collections by the Center for Primary Research and Training (CFPRT), an innovative program that equips scholars with skills that will enable them to effectively use special collections in their research and teaching careers. The CFPRT served as a nexus for the LAADP project, pulling together the expertise of UCLA archivists, librarians, technologists, faculty, and students to accomplish two programmatic objectives. First, the CFPRT conceived of the project as a method for better integrating the Library into contemporary methods of learning and research. The project was strategically designed to inspire students to challenge traditional notions of academic work and realize new pathways for archival study and scholarship. For the LAADP, CFPRT graduate scholars participated in mass digitization projects, archival processing, digital storytelling, and a summer-long, team-based digital humanities project. This hands-on practice provided the scholars the opportunity to enhance their digital and archival research skills, while strengthening their abilities in project management and inter-disciplinary collaboration. Second, the CFPRT used the project as a vehicle for establishing a scalable infrastructure at UCLA Library that supports creating and providing access to digital primary source scholarship. The LAADP produced new workflows and procedures that Special

Collections now employs for in-house digitization and metadata creation and established efficient methods for conducting copyright risk assessment for digitized primary sources. It also enabled the Digital Library Program to investigate new approaches and technologies for providing access to digital collections and content. Many of these practices have been codified into a Digital Projects Toolkit, which has enabled UCLA Library to undertake subsequent high-quality, large-scale digital projects with more agility and confidence. The Toolkit is now widely available online so that other institutions can replicate these processes. In this session, archivists, a librarian, and a PhD candidate will discuss working across departments, disciplines, and skill sets to successfully build a model for supporting and producing digital scholarship in the library.

http://digital.library.ucla.edu/aqueduct/
https://creatavist-5g9cpt3.creatavist.com/untitledproject-hypdk
http://laaqueductdhgroup2.wix.com/la-aqueduct-dh-group
https://creatavist-yrct7dz.creatavist.com/untitledproject-0j7r6
https://creatavist-8d67y25.creatavist.com/untitledproject-fhwmx
http://library.ucla.edu/special-collections/programs-projects/digital-projects-special-collections

Tuesday, Apr 14, 2015
10:30-11:30 AM
Grand Crescent

Think Different! The Value of Reading-list Technology in Better Integrating Libraries in Online Learning Environments

Carl Grant
Associate Dean of Knowledge Services and Chief Technology Officer, Libraries
University of Oklahoma

Tamar Sadeh
Director of Discovery and Delivery Strategy
Ex Libris Group

Academic libraries face sizable challenges in convincing faculty to use library resources and services as part of the online learning environment. In an attempt to overcome this challenge, many libraries try to include discovery system search boxes or LibGuides research guides in course Web pages. Although embedding these services is a valid tactic, it requires more effort and convincing than would an approach that addresses instructors' needs for practical, easy-to-use resource-list, or, more accurately, resource-list software. The tasks of creating, maintaining, and providing access to resource lists involve many institutional systems, such as course management, discovery, library management, and student services. By streamlining the workflows between such systems, better managing resource lists, enabling users to access them easily, and implementing adherence to copyright laws, libraries can demonstrate and document their substantial added value to the learning environment. In this session, the university librarian of a large university will present a wish list of ways in which resource-list software would be able to provide added value to academia, and a representative of a commercial developer of academic library software will describe a development project that the company is launching to demonstrate such added value.

Tuesday, Apr 14, 2015
10:30-11:30 AM
Cascades A/B

Annotated Manuscripts in the IIIF Environment: Enhancing Scholarship and Creating Communities

Stephen Nichols
Professor Emeritus German and Romance Languages
Johns Hopkins University

Tamsyn Rose-Steel
CLIR/Mellon Fellow in Medieval Data Curation
Johns Hopkins University

Sayeed Choudhury
Associate Dean for Research Data Management
Johns Hopkins University

The subject of digital annotations is an area of increasing interest and technological investment. For example, the W3C working group on Web annotation are chartered to develop specifications for an "interoperable, sharable, distributed Web annotation architecture" and have recently launched its data model and use cases; while Johns Hopkins University (JHU), in partnership with Princeton University and University College London, has received a grant from The Andrew W. Mellon Foundation to study annotated early modern books: the 'Archaeology of Reading' project will involve the transcription of thousands of handwritten marginalia into a digital format that can be mined and analyzed systematically in an electronic environment. In this presentation we will discuss the use cases we are developing for viewing and annotating manuscripts in a SharedCanvas viewer such as Mirador 2. SharedCanvas is a data model that "specifies a linked data based approach for describing digital facsimiles of physical objects in a collaborative fashion," and has been developed within the International Image Interoperability Framework (IIIF) to be of particular use to items of cultural heritage, such as medieval manuscripts. Our team, consisting of software developers and scholars, will show the potential of annotated images and discuss how we propose to build on this to create a hub for scholarship. We will present as a case study the sites curated by JHU: the Archaeology of Reading and the Digital Library of Medieval Manuscripts, which is home to the Roman de la Rose Digital Library, Christine de Pizan Digital Scriptorium and Bible Historiale Manuscript Portal. Two in-depth scholarly use case scenarios will examine how linked annotations can be used to explore changes in rubrication in Rose manuscripts, and to understand networks of citation in medieval literature.

manuscriptlib.org
romandelarose.org

Tuesday, Apr 14, 2015
10:30-11:30 AM
Vashon II

Setting a Security and Privacy Agenda: Report from a CNI Workshop

Clifford Lynch
Executive Director
Coalition for Networked Information

In early March CNI convened a small workshop to develop a near term agenda for work needed to improve security and privacy in systems related to scholarly communication and access to scholarly information resources. This session will summarize the discussions from that meeting, focusing on next steps and potential courses of action. A workshop report will be released in the coming months.

Tuesday, Apr 14, 2015
10:30-11:30 AM
St. Helens

Digital Preservation Network Progress Report

Evviva Weinraub Lajoie
Services Manager
Digital Preservation Network

David Pcolar
Technical Manager
Digital Preservation Network

The Digital Preservation Network (DPN) has made significant progress in technical, legal, and service definition since our last update. A status update and overview of development needed for a 'soft launch' release later in 2015 will be presented by the DPN Services and Technical managers. Our initial pilot, completed in the fall of 2014, provided an exercise of the technical infrastructure and several non-technical objectives. Reflecting on that experience, DPN is moving forward with refinement of the deposit process, drafting of legal and service level agreements, preparation of materials and application of metadata, and other work needed to ensure long-term preservation. We will also discuss breakthrough concepts related to Succession Rights language for deposit agreements to ensure future access to preserved content.

http://www.dpn.org

Tuesday, Apr 14, 2015
10:30-11:30 AM
Olympic

Moving Ahead with Fedora 4

David Wilcox
Product Manager
DuraSpace

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

Robin Ruggaber
Chief Technical Officer
University of Virginia

Jon Dunn
Interim Assistant Dean for Library
Technologies
Indiana University

Fedora 4, the new, revitalized version of the Fedora repository platform, was released into production in November. This significant release signals the effectiveness of an international and complex community driven open source project delivering a modern repository platform with features that meet or exceed current use cases in the management of institutional digital assets. Fedora 4 features include vast improvements in scalability, linked data capabilities, research data support, modularity, ease of use and more. Many institutions are taking advantage of these new benefits and opportunities by upgrading their Fedora 3 repositories or starting new projects based on Fedora 4. Following a brief project update, representatives from Columbia University, Indiana University, and the University of Virginia will discuss their current and upcoming projects based on Fedora 4 that make use of the platform's new capabilities.

http://fedorarepository.org/
https://wiki.duraspace.org/display/FF/

Tuesday, Apr 14, 2015
10:30-11:30 AM
Orcas

Enduring Access to Rich Media Content: Understanding Use and Usability Requirements

Oya Y. Rieger
Associate University Librarian, Scholarly Resources & Preservation Services
Cornell University

Mickey Casad
Curator for Digital Scholarship & Associate Curator, The Rose Goldsen Archive of New Media Art
Cornell University

Dianne Dietrich
Digital Scholarship and Preservation Services Fellow & Physics & Astronomy Librarian
Cornell University

Through a National Endowment for the Humanities-funded initiative, Cornell University Library is creating a technical, curatorial, and managerial framework for preserving access to complex born-digital new media objects. The Library's Rose Goldsen Archive of New Media Art provides the testbed for this project, with its collections of complex interactive born-digital artworks used by students, faculty, and artists. Many of these works are currently unplayable on contemporary operating systems. The presentation will describe the project's findings and discoveries, focusing on a user survey conducted with the aim of creating user profiles and use cases for born-digital assets like those in the testbed collection. The project's ultimate goal is to create a preservation and access practice grounded in thorough and practical understanding of the characteristics of digital objects and their access requirements, seen from the perspectives of collection curators and users alike. We will discuss how the survey findings inform longer-term preservation strategies for the project at hand, as well as how these strategies might translate to other kinds of complex born-digital collections.

http://blogs.cornell.edu/dsps/2014/07/30/interactive-digital-media-art-survey-key-findings-and-observations/
http://blogs.cornell.edu/dsps/2015/02/11/digital-archaeology-and-forensics/

Tuesday, Apr 14, 2015
1:00-2:00 PM
Grand Crescent

BIBFLOW: A Roadmap for Library Linked Data Implemenation

MacKenzie Smith
University Librarian
University of California, Davis

Carl G. Stahmer
Director of Digital Scholarship
University of California, Davis

Eric Miller
Co-Founder
Zepheira

BIBFLOW is an Institute of Museum and Library Services supported project that aims to document the internal effects of the conversion of library records to Linked Data, with a particular focus on the forthcoming BIBFRAME framework. While many projects have, or are currently, focused on how Linked Data will transform the library catalogue and discovery of library resources, BIBFLOW is focused on how Linked Data will transform the inner-workings of the library itself to support the vision of Linked Data-driven discovery as well as streamline operations. To this end, the project is implementing a modified, Linked Data native version of the Kuali-OLE library management system in order to test and document the ways in which library workflows are impacted by Linked Data implementation. We are also evaluating the plans of library-related organizations that deal in bibliographic data to assess their readiness to support Linked Data. The final deliverable of the project will be a "road map" that library administrators and staff can use as a practical guide to navigating the transition to Linked Data at their own institution. At the briefing, the project's primary partners, the University Library of the University of California, Davis and Zephiera, Inc., will demonstrate their Linked Data cataloguing system, discuss workflows being tested, and deliver preliminary results of the testing. Briefing attendees will also be provided with information on how their institutions can virtually participate in the ongoing testing effort.

http://lib.ucdavis.edu/bibflow
http://lib.ucdavis.edu
http://http://zepheira.com
http://www.lib.ucdavis.edu/ul/about/meetnewul.php
http://www.carlstahmer.com
http://zepheira.com/about/people/eric-miller/

Tuesday, Apr 14, 2015
1:00-2:00 PM
Cascades A/B

Building a Vast Library of Life: The Biodiversity Heritage Library Looks to the Future

Martin R. Kalfatovic
Program Director, Biodiversity Heritage Library
Smithsonian Institution

Nancy E. Gwinn
Chair, Biodiversity Heritage Library
Smithsonian Institution

The Biodiversity Heritage Library (BHL) is an international consortium of natural history museums, botanical gardens, agricultural, university, biological research libraries, and like organizations and institutions ("BHL Member Institutions") whose purpose is to improve research methodology by collaboratively making biodiversity literature openly available to the world as part of a global biodiversity community. As the BHL approaches its tenth anniversary, it has transformed its partner organizations, built a robust technology infrastructure and community, and developed an organizational framework for sustainability. This session will provide a brief look back on the BHL's past and focus on key strategies and challenges as BHL looks towards its second decade in a dramatically changed networked environment.

http://biodiversitylibrary.org/

Tuesday, Apr 14, 2015
1:00-2:00 PM
Vashon II

3D Printing Trends

Patrick Yott
Associate Dean, Digital Strategies and Services, Libraries
Northeastern University

Terry Ann Jankowski
Assistant Director for User Experience
University of Washington

Tania P. Bardyn
Associate Dean & Director, Health Sciences Library
University of Washington

Paul Ludecke
University of Washington

"3D Printing at Northeastern : The Studio Model" (Yott)

When Northeastern University undertook to integrate 3D printing into the library in the summer of 2013, the goal was to not simply offer a printer or two, but to develop an environment where students, faculty, staff could find an expert staff, a range of printers, scanners, and laser cutters, and a place to experiment with the technology. In November of that year, the 3D Printing Studio opened its doors. Led by an engineer, and staffed by a cadre of work-study and volunteer student "engineers" and "artists," the studio has worked with a clientele that includes scientists, engineers, artists, health professionals, humanists, romantics, entrepreneurs, and the generally curious. This project update will include information about the planning process, efforts to integrate the studio in the life of the campus, promotional and business models, and future plans.

"Hearts, Skulls & Molar Containers: The Opportunities and Challenges of 3D Printing Pilot in a Health Sciences Library" (Jankowski, Bardyn, Ludecke)

The University of Washington (UW) Health Sciences Library (HSL) received partial funding from UW's Student Technology Fund to purchase a MakerBot Replicater 3D printer to offer 3D printing in the library either as a free or fee-based service. The UW HSL serves six schools of health sciences, three teaching hospitals, and a network of clinics, as well as the wider UW interdisciplinary biomedical community. Together, we planned and implemented the service campus-wide with priority for service going to health sciences students and class assignments. A white paper, by the Associate Dean

& Library Director helped garner faculty support for a fee-based service among the health sciences schools. A technology staff member managed the technical aspects of the pilot project, and a librarian focused on publicity, policies, and procedures. The service was offered first as a 1.5 month pilot project at no charge to users in order to gather data to establish fees for service as well as evolve policies and procedures. The pilot project has painted a clearer picture of our constituents' needs as well as the opportunities and challenges moving forward. The HSL also made contact with other groups on campus offering similar services.

http://dmc.northeastern.edu/abilities/3d-printing
http://libguides.hsl.washington.edu/3DPrinting

Tuesday, Apr 14, 2015
1:00-2:00 PM
St. Helens

Picture This! Supporting Data Visualization Research at Scale

Carol Hunter
Deputy University Librarian, Associate University Librarian for Collections & Services
University of North Carolina Chapel Hill

Jill Kuhn Sexton
Head of Digital Research Services, Libraries
University of North Carolina Chapel Hill

Joe M. Williams
Director of Public Services, Library
University of North Carolina Chapel Hill

University of North Carolina (UNC) Chapel Hill's University Libraries are taking data visualization research support to the campus scale. This session illustrates a sustainable and expandable approach through four recent use cases that leverage library-led training, community expertise, existing digital collections and inexpensive, accessible tools and spaces. The Libraries Research Hub provides a distributed network of engagement spaces across the UNC campus, supporting data visualization and other digital scholarship needs. Hub services are provided by library staff as well as several other pan-university research support organizations. Select projects described in this session, which used simple tools and modest levels of staff training time to develop broad community expertise, are: DocSouth Data, which makes the full text of North American Slave Narratives and other Documenting the American South collections available for text mining and data analysis with tools like Voyant and CATMA; UNC Catcall map, a campus resource that began as a student project mapping sexual harassment on campus; Low Wage NC, a collaborative project between the UNC Department of City and Regional Planning Masters Workshop and the Center on Poverty, Work & Opportunity, which uses ArcGIS Online and Tableau software with economic and social data; Virtual field trips, describing how some faculty pedagogy has changed through use of the Research Hub's Liquid Galaxy, an economical, immersive visualization screen.

http://library.unc.edu/hub/
http://docsouth.unc.edu/docsouthdata/
http://go.unc.edu/r9F6R
http://www.lowwagenc.org/
http://www.infodocket.com/2014/10/20/university-of-north-carolinas-davis-library-now-home-to-a-liquid-galaxy-panoramic-display-system/

Tuesday, Apr 14, 2015
1:00-2:00 PM
Olympic

Networks of Expertise:
A Model for Implementing and Sustaining New Information Services

Jon E. Cawthorne
Dean of Libraries
West Virginia University

John Culshaw
University Librarian
University of Iowa

Geneva Henry
University Librarian and Vice Provost for Libraries
George Washington University

Joy Kirchner
Associate University Librarian for Content and Collections
University of Minnesota

A planning grant from The Andrew W. Mellon Foundation was awarded to a team of seven librarians to determine whether the Centers of Excellence (CoE) model could serve as a means to provide the new services required for the effective use of digital information. We believed CoEs might be a model to cultivate skills needed to support emerging technologies and new information services. The team investigated more than 100 CoEs, narrowed our in-depth research to 35 centers that offered a unique service, design, history and/or funding model, and then interviewed 19 directors of CoEs as well as staff from seven funding organizations. The study explored the characteristics of CoEs, what makes them successful, and the challenges commonly faced by centers. Criteria were identified for forming, evaluating, and sustaining a CoE. Prior to last year's spring CNI meeting, we had completed our interviews and were able to present preliminary data. After that meeting, we conducted focus groups and performed additional analysis which led us to surprising conclusions. Our work has now been published by the Council on Library and Information Resources (CLIR): "The Center of Excellence Model for Information Services" (CLIR Report 163). In this session, we will present our recommendations for a viable concept for leveraging institutional strengths and building cross-institutional expertise more broadly. The session will be of interest to institutions or funders interested in building or supporting innovative cross-institutional partnerships.

http://www.clir.org/pubs/reports/pub163/pub163.pdf

Tuesday, Apr 14, 2015
1:00-2:00 PM
Orcas

The Academic Preservation Trust: Report on First Months of Production

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With the University of Cincinnati depositing the first "production" content in the newly completed repository of the Academic Preservation Trust (APTrust) consortium in December 2014, the APTrust team is seeing results of design choices made in previous months during development. Together with session attendees and member institutions, we'll examine the rationale and results of decisions affecting the balance between reliability and performance as part of a broader look at what it is like to use the community-developed, cloud-based repository in its early days.

http://aptrust.org