Prelude in WorldCat
UMD presence in WorldCat
January 2015

- 3,343,821 total holdings
- 3,309,765 publications
- 323 languages (18% non-English)
- 223 countries (39% non-US)
- 173,682 contributed records
- 558,222 holdings on contrib. recs.
Topics where UMD has more titles than any other library

- **Historic buildings – Conservation and restoration**
- **Sonatas (Piano)**
- **National Trust for Historic Preservation in the US**
- **Rosenfeld, Azriel**
- **National Association of Broadcasters**
- **Biometric identification**
Topics from the NMC Horizon Report > 2015 Library Edition

**CHALLENGES**

**SOLVABLE**
- Embedding Academic and Research Libraries in the Curriculum
- Improving Digital Literacy

**DIFFICULT**
- Competition from Alternative Avenues of Discovery
- Rethinking the Roles and Skills of Librarians

**WICKED**
- Embracing the Need for Radical Change
- Managing Knowledge Obsolescence

**TRENDS**

**SHORT-TERM IMPACT**
- Increasing Value of the User Experience
- Prioritization of Mobile Content and Delivery

**MID-TERM IMPACT**
- Evolving Nature of the Scholarly Record
- Increasing Focus on Research Data Management

**LONG-TERM IMPACT**
- Increasing Accessibility of Research Content
- Rethinking Library Spaces

**DEVELOPMENTS IN TECHNOLOGY**

**NEAR-TERM** 1 year or less
- Makerspaces
- Online Learning

**MID-TERM** 2-3 years
- Information Visualization
- Semantic Web and Linked Data

**FAR-TERM** 4-5 years
- Location Intelligence
- Machine Learning
Roadmap

• Background & trends

• The evolving scholarly record ...
  – Scope
  – Stakeholders
  – Stewardship

• Key issues for academic libraries

• Questions & discussion
THE EVOLVING SCHOLARLY RECORD
Welcome to create.ou.edu
Empowering Digital Scholarship, Expanding Digital Literacy & Creating Digital Citizens.

“… Create aims to empower all members of the OU community to craft and control their digital narrative through the use of blogs, portfolios, wikis, and more.”

https://create.ou.edu/
Evolutionary trends …

• Formats shifting:
  – Print-centric to digital, networked

• Boundaries extending:
  – Articles/monographs, but also data, computer models, lab notebooks, blogs, e-mail discussion, e-prints, interactives/executables, visualizations, etc

• Characteristics changing:
  – Traditionally: static, formal, outcome-focused
  – Today: dynamic, blend of formal & informal, more focus on documenting full research cycle (replicability, “leveragability”)

• Stakeholders reconfiguring:
  – New paths for the scholarly communication “supply chain”
The Evolving Scholarly Record

Develop framework to:

- Organize/support/drive discussions about ESR
- “Big picture” view of ESR
  - Categories of material
  - Stakeholder roles
- Common reference point for ESR within/across domains
- Support strategic planning by libraries, funders, publishers, scholarly societies …

http://oc.lc/esr
Framing the Scholarly Record …
In practice …

The Journal of Brief Ideas

“evolving manuscripts”
The Research Ideas and Outcomes (RIO) journal publishes all outputs of the research cycle, including: project proposals, data, methods, workflows, software, project reports and research articles together on a single collaborative platform, with the most transparent, open and public peer-review process. Our scope encompasses all areas of academic research, including science, technology, humanities and the social sciences.

Read more about the journal on the RIO blog

http://riojournal.com/
Framing the stakeholder eco-system …
Evolving configurations in the eco-system …

- Fix
- Create
- Collect
- Use

Social media (blogs, Twitter)
Social storage (Slideshare, YouTube, Flickr)
EVOLVING STEWARDSHIP MODELS
New Report: *Stewardship of the Scholarly Record*

- The scholarly record is evolving, so …
- … stewardship models for scholarly record are changing too
- “Conscious coordination” key to securing future of scholarly record

http://oc.lc/esr-stewardship
Stewardship … historically

- Stewardship of scholarly record was byproduct of uncoordinated, highly distributed, and duplicative process of managing local print collections.
- Sum of local stewardship efforts resulted in aggregate library resource that was relatively complete record of published (print) scholarly outputs.
- “Invisible hand” metaphor: uncoordinated local efforts lead to socially desirable outcome.
Stewardship … now

The ‘owned’ collection
- ‘borrowed’

The ‘facilitated’ collection
- ‘ESR’
- ‘shared print’

Invisible Hand

Conscious Coordination

Scholarly record no longer approximated in academic library collections
Four elements of conscious coordination

System-wide awareness
“Align local action with collective effort”

Explicit commitments
“Move commitments above the institution”

Division of labor
“Collect more of less”

Reciprocal access
“Curate locally, share globally”
Examples

- System-wide awareness
- Explicit commitments
- Division of labor
- Reciprocal access
IMPLICATIONS FOR ACADEMIC LIBRARIES
Much of scholarly record not represented in local academic library collections

Providing access to scholarly record involves shift from “owned collection” to “facilitated collection”

Local collections/services increasingly embedded in networks of collective access/stewardship responsibility
Library coverage: increasingly partial

• Growing number and diversity of outputs published in venues outside traditional library supply chain: GitHub, Figshare, ResearchGate, Zenodo etc.

Questions to consider:
• Is your institution systematically collecting artifacts of research process and aftermath, as well as traditional outcomes?
• How can library expertise in appraisal and selection be applied to curation of materials managed outside the library?
Example: New publication platforms

New forms of **scholarly work** not fully documented in institutional archives or library collections.
Curating “facilitated collections”

- Demand-driven acquisition
- Open access resources included in local discovery environment, but not local collection
- Institutional repository (content) vs. institutional bibliography (metadata)

Questions to consider:
- Does the library track student/faculty use of ‘extra-institutional’ repositories?
- Does the library coordinate with other campus units collecting or monitoring research/learning outputs?
Example: Open access content

Many (non-partner) libraries include HathiTrust content in local discovery environments.

OCLC catalog records are available for 97 percent of the journals in our sample, representing 91 percent of the articles. The median number of holding libraries is 230, a number that does not vary systematically by subject. These findings suggest that:


Discoverability and stewardship are decoupled.
Homo naledi, a new species of the genus Homo from the Dinaledi Chamber, South Africa


University of the Witwatersrand, South Africa; University of Wisconsin-Madison, United States; Texas A&M University, United States; Duke University, United States; University of Zurich, Switzerland; University of Arkansas, United States; University of Kent, United Kingdom; Max Planck Institute for Evolutionary Anthropology, Germany; Mercyhurst University, United States; New York University, United States; New York Consortium in Evolutionary Studies; University of Colorado, Denver, United States; Colorado College, United States; Lehman College, United States; Northern Illinois University, United States; Town, South Africa; Museo Nacional de Historia Natural, Universidad Nacional Autonoma de Mexico, Mexico; University of South Africa, United States; University of Kentucky College of Dentistry, United States; Cervantes Institute, Spain; Australian National University, Australia; Biology Department, Universidad Autonoma de Madrid, Spain; Northwestern University, United States; Liverpool John Moores University, United Kingdom; University of Pisa, Italy; Chaffey College, United States; University of Johannesburg, South Africa; George Washington University, United States; University of Colorado School of Medicine, United States; Croatian Natural History Museum, Croatia; University of Iowa, United States; Lincoln Memorial University, United States; Smithsonian Institution, United States; Institute of Vertebrate Biology, South Africa

New scholarly publication venues maximize visibility and impact

ISSN: 2050-084X
Established 2012
Held in >125 libraries

http://elifesciences.org/content/4/e09560/article-data
Networks of collective responsibility

• Growing attention to governance of ‘above institution’ stewardship -- HathiTrust, UKRR, WEST, EAST etc.
• Governance/business models must incorporate sufficient incentives to elicit sustainable participation rates, contributions, and commitments.

Questions to consider:
• What is the primary motivation for your library to participate in cooperative stewardship arrangements?
• How do you evaluate the robustness of current partnerships? Are you confident they will last?
Examples: Seeking stewardship at scale

Manager, Shared Resources & Print Policy

Join OhioLINK, an internationally recognized leader in resource sharing and shared print management, as a senior staff member responsible for charting the direction of shared print among OhioLINK's 91 member institutions. OhioLINK has five regional high-density storage facilities serving the public universities in Ohio, a shared depository union catalog running Innovative, Inc. ILS software, and a shared ILLiad system for digital article delivery. See attached flyer for more information about working for OhioLINK.

Announcing COPPUL Digital Preservation Network Manager

COPPUL is very pleased to announce that Corey Davis from the University of Victoria Libraries has accepted a half-time position as COPPUL’s Digital Preservation Network (DPN) Manager. This newly-created, two-year appointment will begin on August 1, 2015. Corey is Systems Librarian at the University of Victoria and will spend half his time with COPPUL and half his time with his present institution. Corey has a strong background in library technology and digital preservation including experience with Archive-it, Archivematica, DSpace and LOCKSS. As COPPUL DPN Manager, he will help to develop a technical and policy infrastructure to support long term preservation of digital objects for all COPPUL members. Corey will work closely with a DPN Management Committee (Todd Mundle, Kwantlen Polytechnic University; John Durno,

Program Officer for Shared Print Initiatives, HathiTrust

How to Apply

A cover letter is required for consideration for this position and should be attached as the first page of your resume. The cover letter should address your specific interest in the position, include your salary requirements, and outline skills and experience that directly relate to this position.
What is the scholarly record?

A selection of scholarly content …

… supported by stable configurations of stakeholder roles …

… sustained through conscious coordination
Thank You!

Brian Lavoie
lavoie@oclc.org