BEYOND THE SILOS OF THE LAM’S: TIME TO SPEAK UP
COLLABORATIVE AND OPEN SOFTWARE DEVELOPMENT
DIRECTIONS FOR LIBRARIES, ARCHIVES AND MUSEUMS

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TAG US #CNI10S #LAM
Libraries, archives, museums’ content lives in separate and inaccessible silos

Disservice to scholars & publics

Long-term obstacles for management

Cost-prohibitive technology infrastructure

Insufficient support within LAM’s for separate systems and infrastructures
Beyond the Silos of the LAM’s: Collaboration among libraries, archives, and museums.

Diane M. Zorich; Gunter Waibel, and Ricky Erway. 2008: OCLC Research
The Key Questions for LAM’s

- Mellon Foundation supporting development of three open source software products:
  - Kuali OLE for libraries
  - ArchivesSpace: the Next Generation Archival Management Tool for archives
  - CollectionSpace for museums

- A new opportunity for coordination? collaboration? convergence?

- On what dimensions? With what degrees of difficulty? Payoffs? To whom?
ARCHIVESPACE: BACKGROUND

- Next generation archival management and access system
  - Archivist’s Toolkit + Archon = access & management
- Users: archivists and researchers, all types & sizes
- Approach: access & management
- “By archivists, for archivists”
- Planning: 2010 – re-conceptualize AT & Archon
- Development: 2011-2012
ARCHIVESPACE: COLLABORATION & CONNECTION

- Partners: UC San Diego, New York University, Univ. of Illinois and AT, Archon communities
- Partnerships with communities:
  + Academic
  + Cultural heritage
  + Technology
  + Content
- Challenges:
  + Governance; sustainable business model
  + Balance: archival management: integrated content access
The mission of Kuali OLE is to develop a sustainable Kuali system that provides academic library management services for higher education. It will use the legal umbrella of the Kuali Foundation, adhere to the Kuali licensing guidelines, and use the Kuali middleware, infrastructure, tools and processes.
KUALI OLE: BACKGROUND

- OLE Project lead by Duke with 15 partners Universities, Consortiums & National Libraries
- Community engagement & participation effort – over 300 participants from more than 100 institutions
- Described a service registry of library business process
- Surfaced sufficient need & ability to go forward with a build project for a community-sourced library system
- Led to Kuali OLE Build initiative with 9 core partners.
KUALI OLE: TIMELINE

- Develop build partnership – Fall 2009
  + Kuali Charter
  + Proposal for Mellon funding
  + Commitment by partners
- Build – 2010 – 1212
  + phase 1 – hiring, governance & design review
  + phase 2 – infrastructure & data flows
  + phase 3 – integration & testing
  + phase 4 – implementation & extension
CNI Spring Forum 2010

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www.collectionspace.org

CSpace is being developed with the generous support of the
Andrew W. Mellon Foundation
CollectionSpace is an open-source, services-based software platform for the description, management, and dissemination of museum collections information – from artifacts and archival materials to exhibitions and storage. CSpace 1.0 will be released June 2010.
Project Partners

- Museum of the Moving Image, New York
- University of California, Berkeley, Information Services and Technology Division
- University of Cambridge, Centre for Applied Research in Educational Technologies
- University of Toronto, Adaptive Technology Resource Centre, Fluid Project
How We’re Making it Easy

1. Each information group can be collapsed to decrease screen clutter.

2. Simple radio buttons allow users to choose which value of a repeatable field should be considered “primary.”

3. Markers in each field denote behavior - such as whether the field leads to a controlled list or authority file.

4. Data entry screens each include a toolbar that simplifies searching and saving.

5. Links to related procedures, objects, and collections can be created and managed with a simple interface.

6. An integrated authorities list gives a quick, linked index to all the authorized terms referenced in a record.

7. Repeatable fields (and groups of fields) can be added with one simple button.

8. System notices let users see the last save or auto-save. At any time, changes can be reverted or cancelled.
Schema Extension Model

Common Entity Schema
(common semantics)

Domain–Community specific extensions
(common across many institutions)

Deployment–specific extensions
(specific to one deployment, workflow)

Schema model to support museums across disciplines: art through zoology
• Platform for applications

• Services-based

• REST focused

• Platform on a Enterprise Content Mang. Platform (ECM)

• Built to integrate with other tools and data sources

• Multi-tenant for hosted support
Collaboration and Connections

- **Sustainability** of: (1) software development, (2) deployments, and (3) operations. Each with different dimensions.
- A Community of communities...
- Archives, libraries, and other key content technologies
- **Local**: Berkeley Campus Collections Community
- **Disciplinary**: Integrated with multiple disciplinary-based, consortia in/outside of campuses (e.g., Herbaria)
- **Global**: Strong interest in a Foundation structure
- Who and how to align? *FoundationSpace*?
THE GOOD, THE BAD & THE UGLY

- End-user Experience
- Technical Architecture
- Organizational/Consortial
AUDIENCE PARTICIPATION

- http://app.sliderocket.com/app/FullPlayer.aspx?id=d38f28a5-44da-4d60-8ca1-4d3f21a3b8e4
**PROJECT LINKS**

- CollectionSpace - [http://www.collectionspace.org](http://www.collectionspace.org)
- ArchivesSpace –
  - [http://www.archiviststoolkit.org/](http://www.archiviststoolkit.org/)
  - [http://www.archon.org/](http://www.archon.org/)