

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

James Michalko, Moderator Vice President, OCLC Research OCLC, Inc.

David A. Greenbaum Director, Data Services University of California, Berkeley

Beth Sandore Associate Dean
Associate University Librarian for IT Planning and Policy University of Illinois at Urbana-Champaign **Robert H. McDonald** Associate Dean for Library Technologies
Executive Director, Quali OLE Indiana University



TAG US #CNI10S #LAM

BACKGROUND: SILOS OF LAM'S

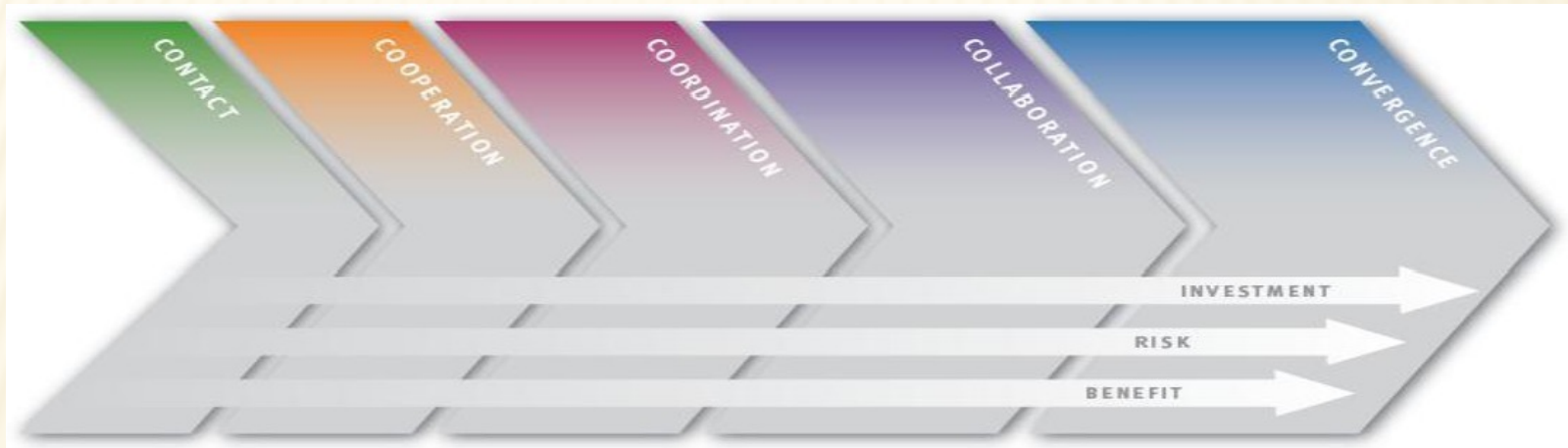
- ✘ Libraries, archives, museums' content lives in separate and inaccessible silos
- ✘ Disservice to scholars & publics
- ✘ Long-term obstacles for management
- ✘ Cost-prohibitive technology infrastructure
- ✘ Insufficient support within LAM's for separate systems and infrastructures

FOUNDATION WORK

Beyond the Silos of the LAM's: Collaboration among libraries, archives, and museums.

Diane M. Zorich; Gunter Waibel, and Ricky Erway. 2008: OCLC Research

<http://www.oclc.org/research/publications/library/2008/2008-05.pdf>



THE KEY QUESTIONS FOR LAM'S

- ✘ Mellon Foundation supporting development of three open source software products:
 - + Kualī 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

ARCHIVES**S**PACE: 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

KUALI OLE: MISSION

The mission of Kualo OLE is to develop a sustainable Kualo system that provides academic library management services for higher education. It will use the legal umbrella of the Kualo Foundation, adhere to the Kualo licensing guidelines, and use the Kualo 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.
- ✘ JISC Report – ILS Systems and the Shared Services Survey (<http://www.jisc.ac.uk/publications/briefingpapers/2008/librarymanagementbp.aspx>)

KUALI OLE: COLLABORATION AND CONNECTION



www.kuali.org

The Andrew W. Mellon Foundation

collectionspace

archivesSpace



KUALI OLE: TIMELINE

- ✘ Design project – Sept 2008 – July 2009
- ✘ 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

David A. Greenbaum

Director, IST-Data Services, UC Berkeley

Co-Director, CSpace

Co-Director, Project Bamboo

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

MUSEUM
OF THE MOVING
IMAGE



caret.

Fluid

How We're Making it Easy

CHAIRRY **IN2004.002.001**

OBJECT TITLE ACCESSION NUMBER

[VIEW LOG](#) [NOTE](#) [PREVIEW](#)

8 Draft saved at 3:06pm

1 **Object Identification Information**

Titles

Title	Title language	Title translation	Title type
Chairry	English	n/a	

Accession Number
IN2004.002.001

Number of Items

Other Numbers

Number	Number type
<input type="text"/>	<input type="text"/>

Responsible Department
- select a department -

Object name

Object name	Currency	Level	System	Type	Language	Note
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Brief Description

Distinguishing Features

Comments

Media Snapshot

Media Name: Photo 1

Integrated Authorities, Vocabularies, and Locations (8)

Description	Type
Van Gogh, Vincent	(A) Person
Gauguin, Paul	(A) Person
Arles, France	(A) Person
Monet, Claude	(A) Person
Paris Expo, 76	(A) Event
Main storage	Location
Oil on canvas	Vocabulary
Frame, Victorian	Vocabulary

Object Description Information

Copy number <input type="text"/>	Edition number <input type="text"/>						
Object status <input type="text"/>	Sex <input type="text"/>						
Phase <input type="text"/>	Age						
Form <input type="text"/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Age</th> <th>Age qualifier</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>	Age	Age qualifier	Unit	<input type="text"/>	<input type="text"/>	<input type="text"/>
Age	Age qualifier	Unit					
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	Style <input type="text"/>						
	Color <input type="text"/>						

find within this record:

 [Next](#)

now editing: **1** / 5 new records >

select a shortcut:
- Select -

4 [Revert](#) [Cancel](#) [Save](#)

5 **Related Procedures (1)**

ID	Type	Created on
IN2004.002	Intake	04.04.09

6 **Related Objects (0)**

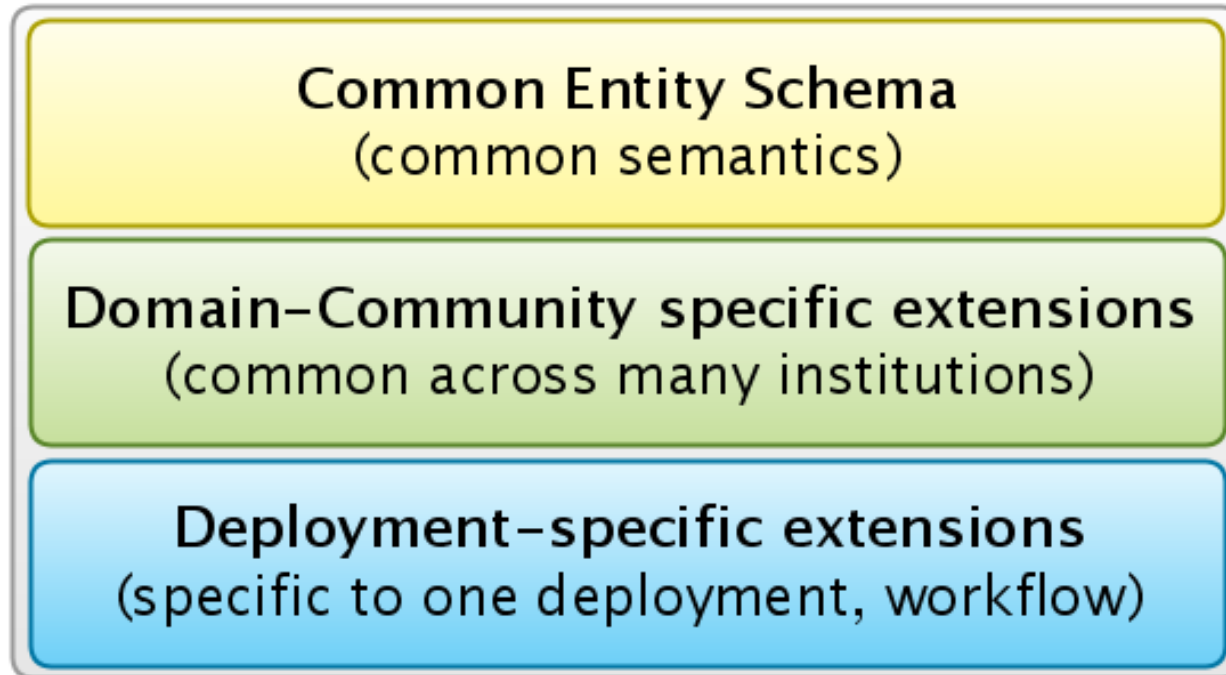
No related objects yet

7 **Related Collections (3)**

Name	Owner	Edited on
Impressionist	Megan Forbes	04.04.09
Needs conservation	Me (public)	04.04.09
My to-do	Me (private)	04.04.09

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.

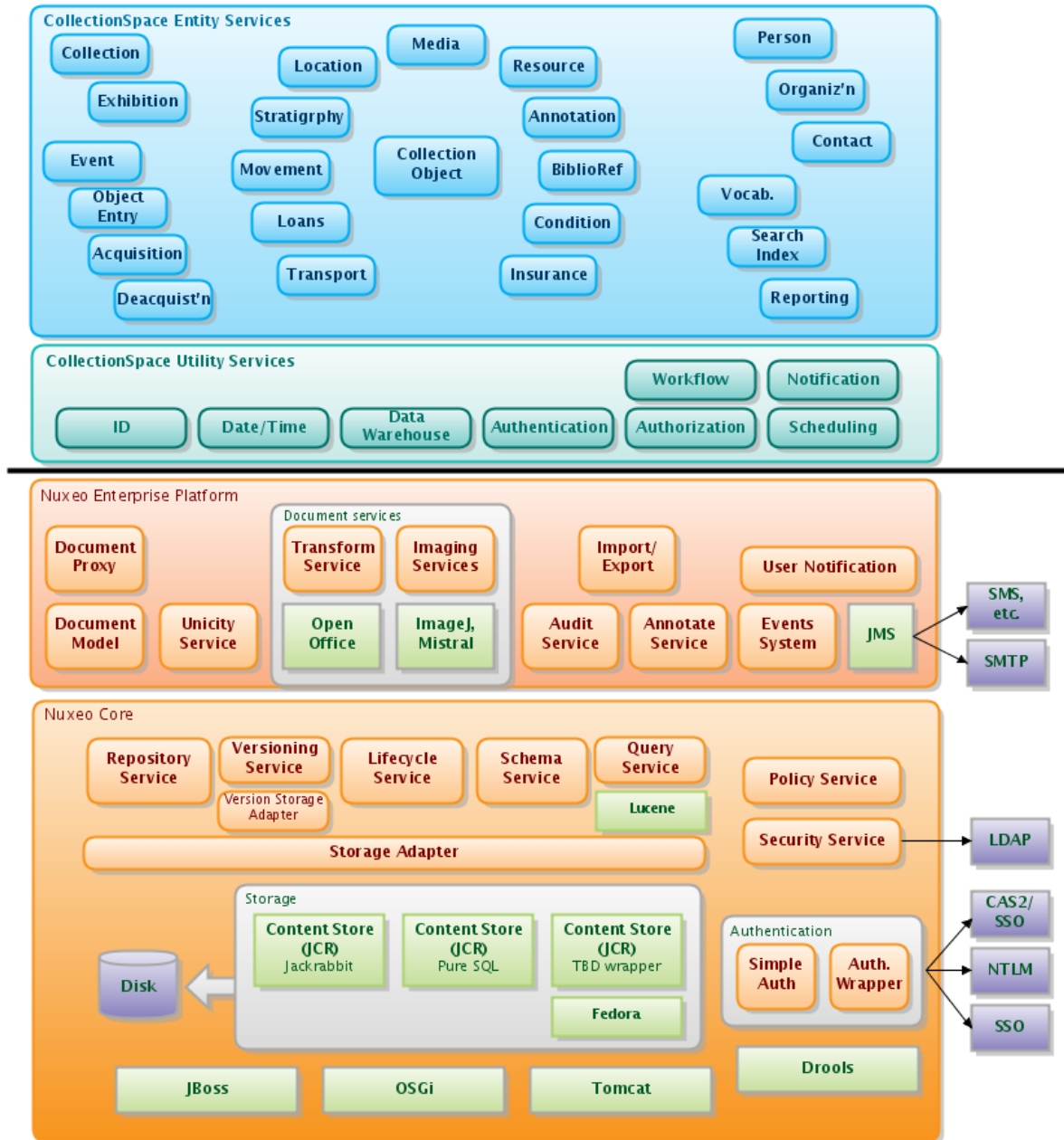
Schema Extension Model



Schema model to support museums across disciplines: art through zoology

Services Stack

- 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>
- ✘ ArchivesSpace –
 - + <http://www.archiviststoolkit.org/>
 - + <http://www.archon.org/>
- ✘ Kualii OLE – <http://www.kualii.org/ole>