

*Creating a Nation of Learners*



INSTITUTE of  
**Museum and Library**  
SERVICES



## The Next Generation of Digital Libraries

**National Academies , Washington, DC, January 29, 2009**

Joyce Ray, Associate Deputy Director for Library Services, IMLS

# Challenges for the Online Knowledge Universe

- **Develop sustainable repositories - find the right economies of scale**
- **Enhance discovery and develop tools to support advanced research as well as re-use within and across repositories**
- **Build the content landscape**
- **Address copyright barriers**

# Sustainable Repositories

## California Digital Library (2002)

**Model preservation repository based on  
the Open Archival Information System  
(OAIS) reference model**

<http://www.cdlib.org/>



# Sustainable Repositories

## Florida Center for Library Automation (2002, 2008)

**2002:** Dark Archives in the Sunshine State (DAITSS), a working preservation repository with free software

**2008:** Testing R2R transfers with Cornell University and New York University

<http://www.fcla.edu/digitalArchive/daInfo.htm>



Florida Center for Library Automation-Digital Archive

Florida Digital Archive : contact us : : sitemap :

# Sustainable Repositories

**Alabama Commission on  
Higher Education (2006)**

**State-based networked  
repository based on the LOCKSS  
model for preserving digital  
content created by academic  
institutions, state agencies and  
cultural heritage organizations**



**[http://www.lockss.org/lockss/Alabama\\_Digital\\_Preservation\\_Network](http://www.lockss.org/lockss/Alabama_Digital_Preservation_Network)**



**THE ALABAMA DIGITAL PRESERVATION NETWORK**  
PRESERVING ALABAMA'S DIGITAL RESOURCES



# Sustainable Repositories

**University of Denver (2004)**

**Collaborative Digitization Program**



**2004 project developed a shared statewide infrastructure for audio resources, including centralized streaming services and storage of audio files for institutions lacking archiving and storage capacity**

**<http://www.bcr.org/cdp/projects/soundmodel/index.html>**

# Sustainable Repositories

**Rutgers University (2003)**  
**William Patterson University (2007)**

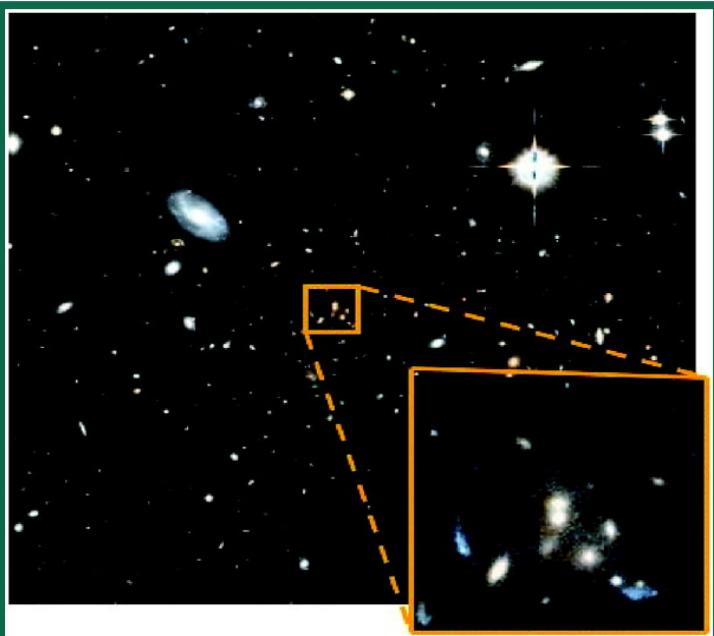


**One-stop shop for New Jersey history and culture from the collections of libraries, archives, museums and historical societies; statewide repository for digital video**

<http://www.njdigitalhighway.org/index.php>



# Sustainable Repositories



**Johns Hopkins  
University  
National Virtual  
Observatory  
(2006)**

**Partnership with  
University of  
Edinburgh, JISC, CURL**

<http://www.virtualobservatory.org/>

# Sustainable Repositories

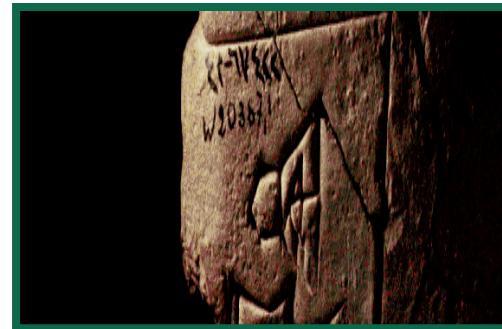


**UCLA (2007)**

**Ingestion of the NSF-funded  
Cuneiform Digital Library into  
UCLA's Digital Library Content  
System**



<http://cdli.ucla.edu/>



# Sustainable Repositories



**Massachusetts Institute of Technology  
CAD Preservation (2006)**

**Research:  
Frank Gehry Architectural Documents**

# Tools - Data Curation Research

**Purdue University (2006)**

**Distributed Data Curation Center**  
[Partnership with UIUC]

**Case studies of researcher  
data/metadata workflow, curation  
profiles across disciplines, system  
requirements for managing data in  
repositories**

<http://d2c2.lib.purdue.edu/>



# Tools for Discovery

**University of California, Berkeley  
(2002, 2004, 2006)**

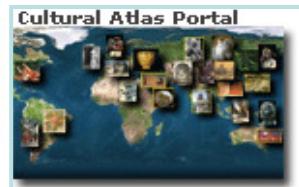
## **Electronic Cultural Atlas Initiative**

**Linking reference resource data to online content to address Who? What? When? and Where? in relation to collections**

<http://www.ecai.org/>



Electronic Cultural Atlas Initiative



# Addressing Copyright Barriers



**University of Michigan (2008)**

## **Copyright Review Management System**

**A collaborative resource for determining the  
copyright status of books published in the US  
between 1923 & 1963**

# Challenges

- **Develop sustainable repositories - find the right economies of scale**
- **Enhance discovery and tools to support advanced research and re-use within and across repositories**
- **Build the content landscape**
- **Address copyright barriers, and...**
- **Educate professionals to do this work**

# Building Communities

## **Education for Digital Stewardship: Librarians, Archivists or Curators?**

**Joint Conference on  
Digital Libraries Post-  
Conference Workshop**

**June 20, 2008, Pittsburgh, PA**

**<http://www.ils.unc.edu/jcdl2008/>**

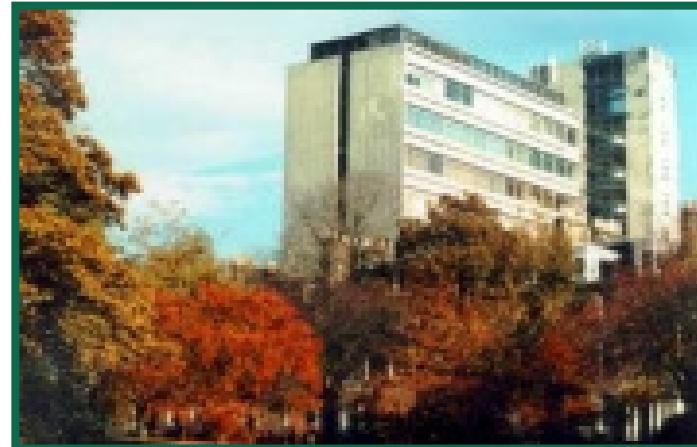


# Building Communities

## International Digital Curation Conference

**Post-Conference  
Educators' Workshop**

**Edinburgh, UK  
December 4, 2008**



# Building Communities



**DigCCurr 2009**

**Digital Curation Practice,  
Promise and  
Prospects**

**April 1-3, 2009  
Chapel Hill, NC**

**<http://ils.unc.edu/digccurr2009/>**