

Hitting the Road Towards a Greater Digital Destination: Strategic Planning and Evaluation of DAMS at the UH Libraries

Annie Wu, Head of Metadata and Digitization Services
Andy Weidner, Metadata Services Coordinator

UNIVERSITY of **HOUSTON** | LIBRARIES

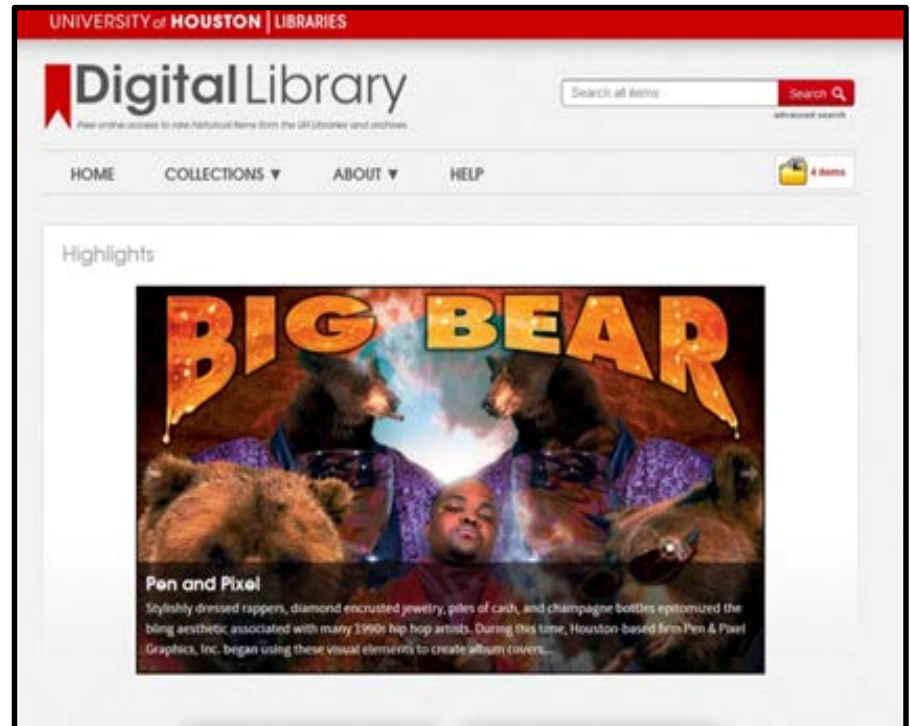
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Overview

Background
Planning and Methodology
Evaluation and Results
Collaborative Implementation

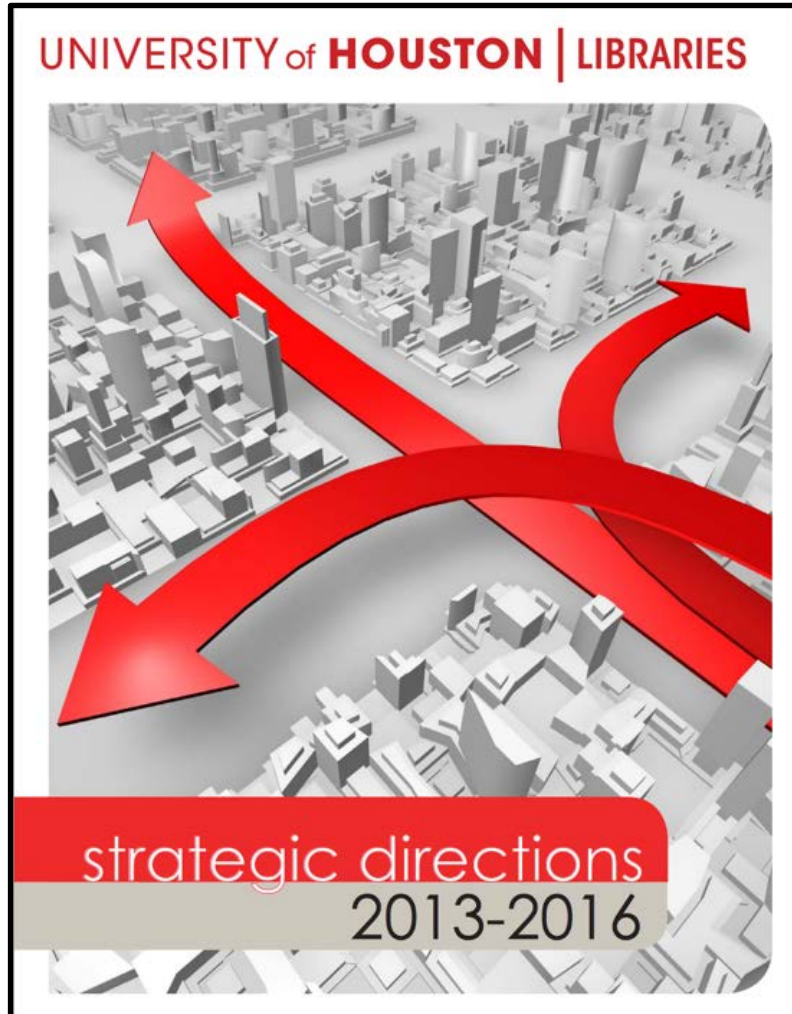
UH Digital Library

- Launched in 2009
- 68 collections
- 10,000+ objects
- 60,000+ files
- Images, text, audio, video
- CONTENTdm with a custom user interface



<http://digital.lib.uh.edu>

Rational for DAMS Evaluation



- Mandate of UH Libraries Strategic Directions
- Robust DAMS for new digital initiatives
 - Flexible, scalable, interoperable
 - Larger amount of data in a variety of formats
 - Configuration of additional functionalities
 - Supports and enables linked data

DAMS Evaluation Team

Metadata & Digitization Services

Co-Chair

Head of
Metadata &
Digitization
Services
(Annie Wu)

Metadata
Services
Coordinator
(Andy Weidner)

Web Services

Co-Chair

Head of
Web
Services
(Rachel Vacek)

Web Projects
Manager
(Sean Watkins)

Digital Repository Services

Head of Digital
Repository
Services
(Santi Thompson)

Special Collections

Digital Projects
Librarian
(Valerie Prilop)

Planning and Methodology

- Needs assessment
- Evaluation
 - Broad evaluation
 - Detailed evaluation
- Generate preliminary recommendations from stakeholders' comments and feedback
- Coordinate installation of the new DAMS and finish data migration

Needs Assessment

- Collect key requirements of stakeholders
- Identify future features of the new DAMS
- Gather data in order to craft criteria for evaluation

Activities:

- Focus groups
- Literature review
- NISO standards
- Benchmarking



<http://subimestudies.com>

Broad Evaluation & Scoring

Criteria:

- System Function
- Content Acquisition & Management
- Metadata
- User Interface and Search Support

Scoring:

- 0 - Does not support criteria
- 1 - Supports criteria
- Determined by reviewing supporting documentation, marketing information, and discussion with vendors
- Scores tallied and top 2 systems evaluated in the final round

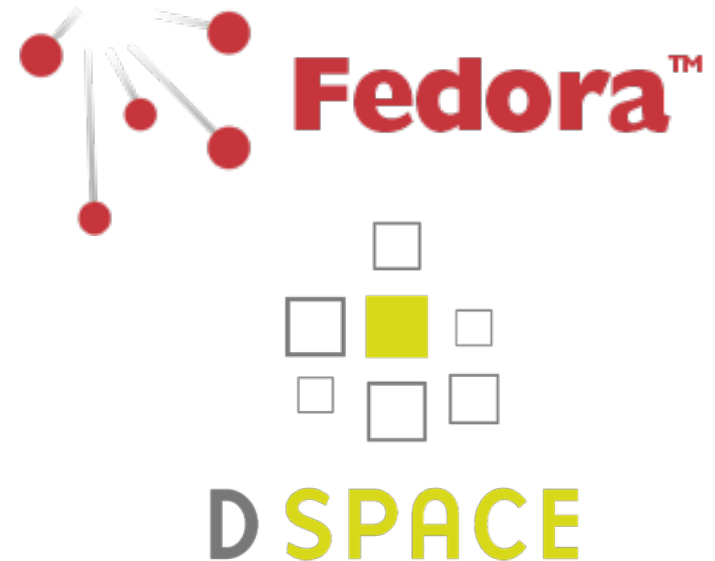
Broad Evaluation Results

DAMS	Evaluation Score	Possible Score
Fedora	27	29
Fedora / Hydra	26	29
Fedora / Islandora	26	29
Collective Access	24	29
DSpace	24	29
CONTENTdm	20	29
Rosetta	20	29
Trinity (iBase)	19	29
Preservica	16	29
Luna Imaging	15	29
RODA	6	29
Invenio	5	29

Detailed Evaluation: Testing & Scoring

Testing Criteria:

- System Environment
- Administrative Access
- Content Ingest and Management
- Metadata
- Content Access
- Discoverability
- Report and Inquiry Capabilities
- System Support



Scoring:

- Ranged score 0 - 3 (0 failed - 3 fully supported)
- Yes / No criteria scored 0 or 3
- System documentation used in some scoring

Detailed Evaluation Results

Testing Sections	DSpace Score	Fedora Score	Possible Score
System Environment and Testing	21	21	36
Administrative Access	15	12	18
Content Ingest and Management	59	96	123
Metadata	32	43	51
Content Access	14	18	18
Discoverability	46	84	114
Report and Inquiry Capabilities	6	15	21
System Support	12	11	12
TOTAL SCORE:	205	300	393

Fedora / Hydra

Advantages	Disadvantages
Open source	Steep learning curve
Large development community	Long setup time
Linked Data ready	Requires additional tools for discovery
Modular design through API	No standard model for multi-file objects
Scalable, sustainable, and extensible	
Batch import / export of metadata	
Handles any file format	

DSpace

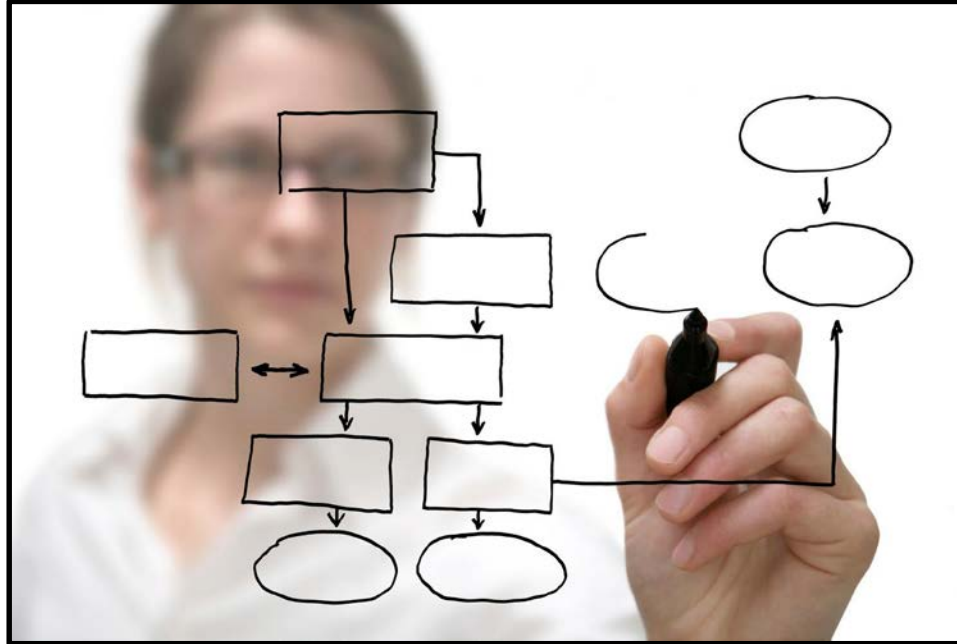
Advantages	Disadvantages
Open source	Flat file and metadata structure
Easy installation / turnkey system	Limited reporting capabilities
Existing familiarity through TDL	Limited metadata features
User group / profile controls	Does not support Linked Data
Metadata quality module	Limited API
Batch import of objects	Not scalable or extensible
	Poor user interface

Collaborative Implementation



<http://www.socialearth.org>

Project Management



<http://infospace.ischool.syr.edu/files/2014/04/Project-Management.jpg>

- Planning
- Tools
- Flexibility
- Meetings
- Food
- Milestones

Implementation

- Phase 1: Systems Installation
- Phase 2: Data Migration
- Phase 3: Interface Development
- Assessment, Documentation and Training



<http://southsidepride.com/wp-content/uploads/2014/01/Migrating-birds.jpg>

Thank you!

Annie Wu, awu@uh.edu
Andy Weidner, ajweidner@uh.edu

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