Putting the Puzzle Pieces Together: Forming UH Libraries Digital Preservation Landscape

UH Libraries Digital Preservation Task Force
Santi Thompson (Chair)
Annie Wu (Vice Chair)
Drew Krewer
Mary Manning
Rob Spragg
Presentation Outline

i. Project Background
ii. Policy Creation
iii. System Evaluation
iv. Results and Future Recommendations
Setting the Scene

- Inconsistent practices
- Transitional period
- Leverage expertise
Task Force Charge

- Define Scope
- Articulate Priorities and Policies
- Determine Resources
- Align with TDL
- Recommend Next Steps
... Articulate digital preservation priorities by outlining current practices, identifying preservation gaps and areas for improvement, and establishing goals to address gaps.
System Evaluation

... Determine the tools, infrastructure, and other resources needed to address unmet needs and to sustain preservation activities in the future
TDL Storage Services

... Align priorities with digital preservation standards, best practices, and Texas Digital Library (TDL) storage services
Finding & Connecting the Edge Pieces
Digital Preservation Management: Implementing Short-term Strategies for Long-term Problems

- Developed by Cornell University Libraries & MIT Libraries
- Pre-workshop Tutorial & Readings: OAIS & TDR, etc.
- 5 day intensive course (35 hours)
- Highly recommended!
Action Plan for Developing a Digital Preservation Program

• Organizational Infrastructure
• Technological Infrastructure
• Resources Framework
You have to build the bike while you ride it.
from DPM's "Action Plan for Developing a Digital Preservation Program"
Digital Preservation Policy Framework
Purpose
Objectives
Mandate
Scope
Challenges
Principles
Roles and Responsibilities
Collaboration
Selection and Acquisition Criteria
Access/Use Criteria
Review Cycle (added)

Policies and Procedures
Roles and Responsibilities
Digital Assets
Digital Preservation Strategies
Technological Infrastructure
    Digital Archive Operations
    Platform Requirements/Procedures

Technological Infrastructure
OAIS Reference Model
Information Packages
Functional Entities
Building your program to align with TRAC requirements is not impossible!
Testing the Systems

What have others done before us?

• Preserving (Digital) Objects with Restricted Resources (POWWR) Project
• The National Library of Medicine (NLM) Digital Repository Evaluation and Selection Working Group
The POWRR Project

Preserving (Digital) Objects with Restricted Resources
http://digitalpowrr.niu.edu/
The POWRR White Paper

“From Theory to Action: ‘Good Enough’ Digital Preservation Solutions for Under-Resourced Cultural Heritage Institutions”

http://commons.lib.niu.edu/bitstream/10843/13610/1/FromTheoryToAction_POWRR_WhitePaper.pdf
Narrowing the Field

- Rosetta
- Archivematica
- Preservica
NLM Consolidated Repository Test Plan

Prepared by the NLM Digital Repository Evaluation and Selection Working Group


- Ingest
- Administer Archival Storage and Database
- Metadata Requirements
- Additional Technical Infrastructure Requirements
Testing Archivematica

• Used Modified NLM Tool
• Archivematica consulting
## Results

<table>
<thead>
<tr>
<th>Advantages</th>
<th>Disadvantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustained by active user community</td>
<td>More complex system maintenance</td>
</tr>
<tr>
<td>Supports complex archival workflow</td>
<td>Limited storage locations</td>
</tr>
<tr>
<td>Aligns with standards and best practices</td>
<td>Lacks robust reporting and notification service</td>
</tr>
</tbody>
</table>
## Reporting Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>Task Force Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 5, 2014</td>
<td>Task force released draft of final report and DP Policies to internal UH Libraries’ stakeholders for public comment</td>
</tr>
<tr>
<td>May 15, 2014</td>
<td>Task force will submit final report, DP Policies, and proposed budget to Library Administration</td>
</tr>
</tbody>
</table>
Short-term Priorities

- Form Digital Preservation Team
- Establish workflows
- Configure Archivematica system settings
Long Term Objectives

• Integrate with library DAMS
• Advise library on DP issues
• Assess and modify policies and workflows over time
Benefits

• Shared commitment

• Storage options

• Standards and best practices
Image Credits

- Bunches and Bits {Karina}, "Reading," CC BY-NC-ND 2.0, https://flic.kr/p/7fRqZP
- Chlot’s Run, “Puzzle Time,” CC BY 2.0, https://flic.kr/p/aZ8r7P
- Horla Varlan, “Fat exclamation mark made from jigsaw puzzle pieces,” CC BY 2.0, https://flic.kr/p/7x9bSS
- ---, “Question mark made of puzzle pieces,” CC BY 2.0, https://flic.kr/p/7vB7fR
Contact Information

Santi Thompson
Head of Digital Repository Services
UH Libraries
713-743-9685
sathompson3@uh.edu