Preservation and Archiving Solutions Community

• Community Overview
  – Goals, Charter
  – Progress to date

• Survey Overview
  – 122 Respondents
  – 50+ signed up for the listserv
Fedora Commons Preservation Community Survey

Are you currently preserving and archiving digital materials?

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Frequency</th>
<th>Response Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes - Implemented</td>
<td>55.7%</td>
<td>68</td>
</tr>
<tr>
<td>Yes - planned not implemented</td>
<td>36.9%</td>
<td>45</td>
</tr>
<tr>
<td>No (will skip to additional information page)</td>
<td>7.4%</td>
<td>9</td>
</tr>
</tbody>
</table>

answered question 122

skipped question 1
Please indicate the types of materials you are preserving (check all that apply).

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Frequency</th>
<th>Response Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research data</td>
<td>45.5%</td>
<td>40</td>
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<tr>
<td>Library materials</td>
<td>63.6%</td>
<td>56</td>
</tr>
<tr>
<td>Cultural materials / special collections</td>
<td>59.1%</td>
<td>52</td>
</tr>
<tr>
<td>Institutional records/archives</td>
<td>62.5%</td>
<td>55</td>
</tr>
</tbody>
</table>

-answered question 88
-skipped question 35
Research Data Disciplines

- Accounting and Informatics
- Art History
- Archaeology
- Atmospheric science
- Astronomy
- Biology
- Chemistry
- Earth sciences
- Economics
- Engineering
- Environmental science
- Geographical & spatial data
- Geology
- Genetics
- Government
- Health Sciences
- History
- Humanities
- Industrial Psychology
- International Business
- Law and legal documents
- Literature and Literary studies
- Legal
- Management Sciences
- Medical
- Natural history
- Neuro-science
- Oceanography
- Political science
- Population
- Public administration
- Physics
- Physiology
- Psychology
- Seismology
- Social Science
- Sociology
Are you using an open source platform for preservation and archiving?

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Frequency</th>
<th>Response Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>71.6%</td>
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</tr>
<tr>
<td>No</td>
<td>28.4%</td>
<td>25</td>
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</table>

answered question 88

skipped question 35
Which open source platform are you using?

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Frequency</th>
<th>Response Count</th>
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</thead>
<tbody>
<tr>
<td>Fedora</td>
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<td>Dspace</td>
<td>43.3%</td>
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<tr>
<td>Eprints</td>
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<tr>
<td>Greenstone</td>
<td>5.0%</td>
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</tr>
<tr>
<td>Other (include platform with url)</td>
<td>21.7%</td>
<td>13</td>
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answered question 60
skipped question 63
What would be most useful to you?

- **Information sharing and clearinghouse**
  - Learn what others are doing
  - Examples of policies
  - Best practices and guidelines for preservation across all types
  - Plans and ideas for the scalability of services
  - Case studies
  - Authoritative reference on standards-based open formats
  - Better ways to develop synergies and partnerships ("we’re all reinventing the wheel")
  - A TRAC/OAIS certification process
  - Experiences on applying the OAIS reference model
  - Models and use cases from other research libraries
  - An on-line community to be part of and a place of asking questions; a social platform; a community blog
  - A good user group
  - A global framework for digital repository standards
Useful to you? (continued)

• General System and Preservation-related Tools
  – A common object model for different object types with methods for extending the model, including archive and access formats
  – Tools for managing digital preservation across different hardware, applications, and geographic locations
  – “Out of the Box” software that is easy to install
  – An open plugable preservation services environment
  – Batch processing tools for tasks such as checksums and format conversion
  – Improve statistical record keeping
  – Risk management tools
  – Frameworks for migration that use workflow engines for ease of customization

• Files and Formats
  – Reporting versions of files and formats
  – Registry services for formats
  – Format identification services
  – Bulk format transformation (within or external to the repository)
  – Better integration of format registries
  – Models and descriptions of how repositories are using JHOVE and GDFR/Pronom
Useful to You? (continued)

• **Fedora Specific Needs**
  – System/storage architectures for large datasets that integrate Fedora and commercial storage
  – Support of a dark archive
  – Audit trails for datastreams that are stored external to Fedora ("managed external")
  – A better way to verify checksums
  – A PREMIS metadata export
  – Fedora content models for digital preservation which would support common preservation actions
  – What Fedora-based solutions are being implemented
  – A repository of content models
  – Easily deployable software; “smaller universities can’t use Fedora because of the IT experience required “
  – Package Fedora with administration tools (e.g. Fez, Muradora) and with default content models
Useful to You? (continued)

• **Metadata**
  – Methods for integrating metadata standards
  – Tools for handling controlled vocabularies
  – Robust api’s for metadata harvesting
  – Enriched metadata for preserving and reusing raw data
  – Tools that support the creation, viewing, and updating of PREMIS metadata

• **Scholarly Communication**
  – Tools to measure publication equivalent factors
  – Disciplinary models for science data including standards, tools, and methods