Reshaping Scholarly Communication Services

Our Path to Open Source

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Outline

Background

Work Organization

Technical Challenges

Communication Plan

Challenges and Opportunities

Q&A
Background
Launched Digital Commons in 2006

Started with institutional repository

Added journals gradually as needs arose

Digitized theses and dissertations as of 2008

ETD as of 2011 with cooperation of School of Graduate Studies
Digital Commons was fine, but ...

Development roadmap too conservative
Paying for software where strong open source exists
No ability to support DOI minting and registration
Longterm costs are significant, not least at present
Companies don’t make money by putting functionality in our hands

Offer services as “value added” features, i.e. additional costs

Examples: LAC harvest, DOI registration
Hosting ≠ preservation!

Using an external host saves you the easy task

Getting your own data out can be arduous

Adherence to metadata standards dubious

Zero flexibility as this is not a priority
Philosophical and strategic alignment

Prefer to use open source when and where possible.

Putting the library into the work to add value, create relationships.

Libraries need to be more than invisible bill payers for unsustainable practices.
What we migrated

~8,000 items in IR
15 journals (10 faculty, 5 student - one journal left/one joined)
Thousands of journal users and articles
People - journal editors and managers, SGS
Work Organization
From Digital Commons to

MacSphere

Student Journals

EscarPMENT Press
IR migration - Digital Commons to MacSphere

- IR committee formed
- Platform selected: DSpace
- Created project plan
  - scope, stakeholders, assumptions and constrains, risk assessment, resources, and schedule management plan

Special Thanks

| John Fink | Debbie Lawlor | Matt McCollow | Wiktor Rzeczkowski |

MacSphere
McMaster University Libraries
Institutional Repository
<table>
<thead>
<tr>
<th>Schedule Management Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initiation Phase</strong></td>
</tr>
<tr>
<td>Decide on a name</td>
</tr>
<tr>
<td><strong>Planning Phase</strong></td>
</tr>
<tr>
<td>Project Plan Approved</td>
</tr>
<tr>
<td><strong>Execution &amp; Control Phase</strong></td>
</tr>
<tr>
<td>Set up test server / Install application</td>
</tr>
<tr>
<td>Recreate the collections structure and test it on the test server</td>
</tr>
<tr>
<td>Develop scripts to migrate as much as possible the users (authors, submitters, administrators) and their roles from digital commons to DSpace</td>
</tr>
<tr>
<td>Test/update Ryerson’s scripts for migrating data with quarterly dump on the test server</td>
</tr>
<tr>
<td>Recreate the SGS workflows and metadata custom fields on test server</td>
</tr>
<tr>
<td>Set up production server / Install application</td>
</tr>
<tr>
<td>Contact Corporation for National Research Initiatives (CNRI) about the handle prefix</td>
</tr>
<tr>
<td>Develop redirect rules to redirect users to new url</td>
</tr>
<tr>
<td>Implement McAuth on the test server</td>
</tr>
<tr>
<td>Contact UTS about moving McAuth to production</td>
</tr>
<tr>
<td><strong>Closure Phase</strong></td>
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Journals migration - Digital Commons to Escarpment Press and Student Journals

- OJS already implemented
- We took a different approach – structured around journal editors
- Set one week aside for each journal
- We worked with each journal editor to make sure they are happy
Risk management

Project Risks
• Reaction to change
  o Staff
  o Stakeholders

Risk Response Plan
• Mitigation - provide adequate training and information sessions well in advance
Technical Challenges
IR - Migration
technical challenges

- Metadata mapping for migration
- From quarterly dump
IR - Migration technical challenges

- Coordinate data handover
- All pdfs had an optional Bepress cover page – we asked to be removed
- Recreate the structure
- Maintain embargo information
- Recreate users and their roles
- No md5 for any of the files
Journals - Migration technical challenges

- Requested a second dump of the data
- Recreated the design for each journal
- Issues migration
- Only published material
- All workflow data was lost
- Maintaining usage data for future grant applications
- Maintain subscriptions
Lessons learned

• Test, test, test ....
• Plan well ahead
• Vendor was very helpful with this process
Communication Plan
Communication - Pre-Migration

• IR - Major stakeholders
  • The School of Graduate Studies (SGS), Jan. 2014 (initial meeting)
  • University Councils and administrators, March-April 2014 (meetings)
  • Other stakeholders e.g. McMaster Health Forum, June 2014 (meetings and training)

• Journals - Major stakeholders
  • Journal managers and editors notified via letter, April 2014
  • Two information meetings, May 2014

• IR Committee
  • Created and maintained Pre- and Post-Launch Communication Plans
  • In-house training on DSpace, March, 2014
## Communication - Pre-Migration - Sample plan

### PRE-LAUNCH COMMUNICATION

<table>
<thead>
<tr>
<th>Stakeholder Group</th>
<th>Communication approach/activity</th>
<th>Person Responsible</th>
<th>When (date)</th>
<th>Done (check)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Council chaired by A. Sekuler</td>
<td>Messaging at Council meeting</td>
<td>Jessica Dorsch</td>
<td>Meet monthly; March 25</td>
<td>✓</td>
</tr>
<tr>
<td>Thesis Subcommittee of Grad Council chaired by N. Agarwal and B. Ibhawoh</td>
<td>Messaging at Council meeting</td>
<td>JD, Olga Perkovic</td>
<td>First meeting; March 24</td>
<td>✓</td>
</tr>
<tr>
<td>Best Practices Lunch: SGS Update</td>
<td>Messaging at event</td>
<td>JD</td>
<td>March 26</td>
<td>✓</td>
</tr>
<tr>
<td>Associate Deans (SGS)</td>
<td>Messaging via email</td>
<td>JD</td>
<td>March</td>
<td>✓</td>
</tr>
<tr>
<td>SGS Executive (SGS management and Associate Deans) chaired by A. Sekuler</td>
<td>Messaging at Executive meeting</td>
<td>JD, Gabriela Mircea, OP</td>
<td>Meet monthly; April or May</td>
<td>✓</td>
</tr>
</tbody>
</table>
Communication - Pre-Migration - New names

IR = MacSphere

Journals

Faculty Journals = ESCARPMENT PRESS

Student Journals = McMaster University Publishing System for Student Journals
Communication - During the Migration

• MacSphere (IR)
  • In contact with the SGS throughout the migration
  • In-house training for IR committee members and key stakeholders, June 2014

• Journals
  • Heavy email traffic with journal managers and editors, both on the details and philosophy for the change
Communication - Post-Migration

• MacSphere (IR)
  • Official launch, June 18, 2014
  • Post-Launch Communication Plan
  • Messaging to Library staff, June and September (email, management and all-staff meetings)
  • Messaging to the SGS and other stakeholders, June 2014 (meetings)
  • Messaging to campus community, September and October (email, blog stories)
  • Drop-in sessions, Open Access Week, October 20-26, 2014

• Journals
  • Continued support for journal managers and editors
Challenges and Opportunities
Challenges - Post-Migration

- **MacSphere (IR)**
  - Minor interface changes completed
  - Fairly significant metadata cleanup required
  - Could not reliably distinguish faculty from grad students at log in
  - Email support for grad students required clarification
  - New SGS policy on re-submission of theses established, May 2015

- **Journals**
  - Learning curve with OJS varied among journal editors and managers
  - Level and type of support varied among journal editors and managers
  - Some DOI tinkering required
  - First meeting of journal editors and managers, Feb. 10, 2015
    - OJS Training Workshop, May 13-14, 2015
    - New press name coming soon!
Opportunities - Post-Migration

• MacSphere (IR)
  • New and developing collections
  • Work with campus IT to make changes to MAC ID authentication

• Journals
  • New journals being added
  • Mint DOIs for faculty journals
  • Faculty questions about journal publishing
  • Low to no barriers to entry
Thank you!