Librarian Panel Discussion presentation: "The Data Working Group at UMass Amherst"

Rebecca C. Reznik-Zellen
University of Massachusetts - Amherst

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THE DATA WORKING GROUP AT UMASS AMHERST
“Roles for librarians in digital data curation will fall into one or more of three tiers:

• National infrastructure;
• Campus infrastructure;
• Professional development and education.”

CAMPUS INFRASTRUCTURE

Abigail Goben, CiL 2012 http://www.slideshare.net/AbigailGoben/data-101?
Stats
- +21,000 undergraduates
- +6,000 graduate students
- 1,174 full-time instructional faculty
- 60 doctoral and 78 master’s degree programs in 8 schools and colleges

FY 2011
- $143.5 million of sponsored research
- 1,094 awards from 1,233 proposals
- 624 federal awards (38% NSF)
Also

- 2006 Faculty Senate Policy on Data Ownership, Retention, and Access
- 2008 ARL-CNI Fall Forum “Reinventing Science Librarianship”
- 2008 Massachusetts Life Science Initiative
- 2008 Five Campus Science Librarians and Library Directors convene and form Ad Hoc Committee for e-Science....
<table>
<thead>
<tr>
<th>Enrollment (primary majors and grad students)</th>
<th>Degrees Awarded (BA, MA, PhD)</th>
<th>Liaison Librarians</th>
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</thead>
<tbody>
<tr>
<td>HFA, SS, Mgmt</td>
<td>10,965</td>
<td>3994</td>
</tr>
<tr>
<td>Sci, Eng, Health Sci</td>
<td>11,272</td>
<td>2519</td>
</tr>
</tbody>
</table>

http://www.flickr.com/photos/41700051@N06/5652224230/
- 2009 Digital Strategies Group
  - Informal network of committees
  - Digital content created and collected by the libraries

- 2010 Proposal for Data Working Group submitted and accepted
Determine if the University Libraries should accept broad responsibility for curating research data and, if so, how that should be done, what would be expected, and who would be involved (2010).
“DWG envisions the library as a full partner in the campus-wide research enterprise by offering, independently and in collaboration with other campus entities where appropriate, the full spectrum of data management services to our community and by building in-house expertise in data management.” (2011)
Web Audit Generalized Findings

- Service levels emerged based on degrees of librarian involvement with researchers and their data.
  - Education: Providing information resources to faculty
  - Consultation: Interacting one-on-one with faculty
  - Infrastructure: Taking stewardship of faculty research data

- Level of service is commensurate with inferred degrees of organizational and infrastructure support.
- Service levels add granularity to Gold’s campus-based data curation tier.

Libraries educate their communities about data management

- Low-investment strategy with some opportunities for engagement with campus community.

- Education is a traditional role for libraries; data management expands the repertoire by targeting researchers at an earlier stage of the research process.
Libraries consult with faculty and researchers on a variety of issues relevant to the management of research data.

- Mid-range investment strategy requiring commitment of librarians and library administration.
- Expands battery of library services in a relevant manner.
Libraries provide infrastructure for data management and data curation to their campus communities.

- High-investment, long-term strategy that requires the support of not only the Library but other campus entities.
- Opportunity to expand the library’s role on campus, but requires extensive scoping.
• Activity one
• Activity two
• Activity three
• ...

Tiers of Service

Education
Consultation
Infrastructure

Library Functions

Resources

Time (years)
INTEGRATING DATA SERVICES

Digital Creation and Preservation

Metadata

Data

Digital Strategies
Strategic Plan
- 2012 Digital Strategies Group finalizing Strategic Plan
  - Integrated support for digital scholarship

- Working Groups continue efforts focused on education and consultation activities
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