Paper: Establishing Research Data Management Services on a Health Sciences Campus

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Agenda

• Paper Inspiration

• Paper Discussion

• Key Paper Highlights

• Q & A Session
In January 2018, there was a lack of RDM development on the WSU health sciences campus

- **Existing infrastructure:**
  - Institutional repository (IR), Research Exchange
  - General LibGuide on Data Management Plans

- **Infrastructure Gaps**
  - LibGuide on Research Data Management for the Health Sciences
  - Training support: e.g. online webinars, F2F workshops, 1-to-1 consultations
  - Data policy

- **Gap Filling Tools**
  - Campus-wide Needs Assessment Survey on RDM needs
Paper Discussion

In June 2018, we submitted our paper to the Journal of eScience Librarianship; in August 2018, our paper was conditionally accepted.

• Paper Lowdown:
  • A 23-question online survey was distributed to researchers and research support.
  • Survey results indicated that there was a clear need for more instruction with regard to data management planning like metadata design, data sharing, data security, and data storage & backup.
Paper Discussion

In August 2018, our RDM paper was conditionally accepted for publication by the Journal of eScience Librarianship.

- Areas for improvement:
  - Clarify results of our study; define the “n” number and percentages used more
  - Assess statistical significance of results
  - Clarify all survey distribution methods
  - Explore other ethical considerations besides IRB
  - Clean up and fine tune the paper’s language and grammar
Key Paper Highlights

There are some interesting study findings that I would like to highlight here …
Data Management Plan

42% of researchers **do not** have a data management plan (DMP)

- 50% stated they do not have a DMP in place
- 41% do not know what a DMP is
- 9% do not know if their project has a DMP
Nearly all researchers use **electronic documents** to store the data generated by their research.
Only 23% of researchers use a metadata schema in their research projects.
Data Sharing

38% plan to share their data.

37% are unsure about sharing their data.

25% do not plan to share their data.
42% of researchers feel that data should be stored for ten or more years.
Data Security

Password protection, access restrictions, and network security are the most common security measures employed by researchers.
RDM Support Services

In what areas of RDM would you most like to **improve**?

- Data generation and collection: 44%
- Data recording and processing: 79%
- Data preservation and back-up: 79%
- Data publication and sharing: 50%
## RDM Support Services

<table>
<thead>
<tr>
<th>Service</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>1-hour online workshops on specific topics</td>
<td>67%</td>
</tr>
<tr>
<td>A data consultation at the start of my research</td>
<td>63%</td>
</tr>
<tr>
<td>An online self-guided series of training modules</td>
<td>54%</td>
</tr>
<tr>
<td>An online self-guided tutorial</td>
<td>54%</td>
</tr>
<tr>
<td>One-on-one training</td>
<td>50%</td>
</tr>
<tr>
<td>Structured series of online workshops</td>
<td>44%</td>
</tr>
<tr>
<td>Structured series of in-person workshops</td>
<td>37%</td>
</tr>
<tr>
<td>1-hour in-person workshops on specific topics</td>
<td>33%</td>
</tr>
<tr>
<td>A half-day in-person workshop</td>
<td>17%</td>
</tr>
<tr>
<td>A one-day in-person workshop</td>
<td>12%</td>
</tr>
</tbody>
</table>
Key Takeaways

- DMP support
- Digital data storage
- Sharing research data
- Desire for education/support
Recommendations

Support for library-provided RDM services

- Online Workshops
- Data Consultations
- Online Resources
Development of a coordinated RDM approach

Recommendations

Researchers

IT Department

Library

Office of Research

Created by Iconstock from Noun Project
Recommendations

A comprehensive institutional data policy

- Intellectual Property Policy
- Data Security
- Data Sharing
- Data Management
Q & A Session

Any questions for me?