Apr 6th, 9:15 AM

Keynote Presentation: Data Work: Research Data Services in Canada & the U.S.

Kendall Roark
Purdue University

Follow this and additional works at: https://escholarship.umassmed.edu/escience_symposium

Part of the Scholarly Communication Commons

This work is licensed under a Creative Commons Attribution-Noncommercial-Share Alike 4.0 License.

https://escholarship.umassmed.edu/escience_symposium/2016/program/4

This material is brought to you by eScholarship@UMMS. It has been accepted for inclusion in University of Massachusetts and New England Area Librarian e-Science Symposium by an authorized administrator of eScholarship@UMMS. For more information, please contact Lisa.Palmer@umassmed.edu.
Data Work: research data services in Canada & the U.S.
UMASS & New England Area Librarian e-Science Symposium
April 6, 2016

Kendall Roark PhD, Assistant Professor & Research Data Specialist, Libraries, Purdue University
roark6@purdue.edu, @kendallR
Research Data Services

Data Work

Collaboration

Infrastructure

Future?
<table>
<thead>
<tr>
<th>Research Data Services Surveys &amp; Scans</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Policy Formation</strong></td>
</tr>
<tr>
<td>Web, 1 What is Covered</td>
</tr>
<tr>
<td>Admin, 2 RDS Services Offered</td>
</tr>
<tr>
<td>Librarians, 3, 4 RDS roles</td>
</tr>
<tr>
<td>Researchers, 5 What they want</td>
</tr>
<tr>
<td>Data Policies</td>
</tr>
<tr>
<td>RDS Strategic Plan</td>
</tr>
<tr>
<td>Policy &amp; Advocacy</td>
</tr>
<tr>
<td><strong>Education &amp; Outreach</strong></td>
</tr>
<tr>
<td>Consultation &amp; Instruction (DMP, etc.)</td>
</tr>
<tr>
<td>Information Consultation (DMP, metadata, reference, training)</td>
</tr>
<tr>
<td>Support &amp; Training (librarians &amp; researchers)</td>
</tr>
<tr>
<td><strong>Data Analysis &amp; Training</strong></td>
</tr>
<tr>
<td>Processing &amp; Analysis</td>
</tr>
<tr>
<td>Social Science, GIS, Bioinformatics, Visualization</td>
</tr>
<tr>
<td><strong>Tools &amp; Infrastructure</strong></td>
</tr>
<tr>
<td>Deposit, Repositories, Storage</td>
</tr>
<tr>
<td>Technical Services (RDS systems, preparing de</td>
</tr>
<tr>
<td>Auditing &amp; Data Repository (technical support)</td>
</tr>
<tr>
<td>2/3+ preserve, organize and manage their own data</td>
</tr>
<tr>
<td>Storage, Archiving, Preservation</td>
</tr>
<tr>
<td>De-accessioning Data</td>
</tr>
<tr>
<td>10% or less rely on libraries (&amp; publishers)</td>
</tr>
<tr>
<td><strong>Collaborations</strong></td>
</tr>
<tr>
<td>(internal &amp; external, regional)</td>
</tr>
<tr>
<td>DMPtool/builder (shared tool)</td>
</tr>
<tr>
<td>RDS &amp; Research Collaboration</td>
</tr>
<tr>
<td>Research Collaborator</td>
</tr>
<tr>
<td>1. Kouper et. al. 2016 &amp; forthcoming</td>
</tr>
<tr>
<td>2. Tenopir/ACRL 2012, 2015</td>
</tr>
<tr>
<td>3. Gold 2007</td>
</tr>
<tr>
<td>4. Cox &amp; Pinfield 2013 UK focus</td>
</tr>
<tr>
<td>5. ITHAKA S&amp;R 2016 Straumsheim &amp; Schonfeld 2016</td>
</tr>
</tbody>
</table>
Data Service or Data Collaboration?

- **Data Service**
  - emphasizes & privileges central role of certain types of
    - traditional research &
    - researchers in academia

- **Data Collaboration**
  - emphasizes & privileges central role of certain types of
    - traditional research & potentially emergent forms and digital methodologies
    - librarians as researchers in academia
    - OR as data workers contributing something of different buy equal value (curation, digital platform or database creation, etc.)

Other Models of Collaboration

Digital Scholarship or Humanities Centers
Archives & Special Collections
Researcher/Society Databases & Data Collections
Museum Collections  Data Liberation Initiative
Social Science Data Archives
What is Digital Infrastructure? How Does Infrastructure Impact Research?

- Industry/Corporations
- Professional Associations
- Super Computing
- Data/Digital Laborors
- Legal & Policy Frameworks
- Fiber-optic Networks
- Electric Grid
- Regional Consortia
- National Funders
- Data / Knowledge Workers
Political & Economic Context

- National Funders
- Fall of Berlin Wall
- OECD Signators
- Neoliberal Governance
- Deregulation
- International Treaties
- Science & Educational Policy
- Globalization 2.0
- Culture Wars
- Reagonomics
- Open Access Movement
- Transnational 'Entities'
Futures?

• More People, Professions, Interests
• Context & Scale
• Political and Economic Factors
• Privacy and Data Ethics
• Data as commodity
• Data Work/Digital Labor
• Power Relations in Infrastructure and Data Assemblages
Who defines the problem and decides on the solution? Who is missing from the conversation?


Kouper, Inna et. al. (forthcoming) (Research Data Services Maturity in Academic Libraries.


Thank you!

Kendall Roark
roark6@purdue.edu
@kendallR