Openness and policy

Collaboration in the open data landscape

Rob Johnson, Research Consulting
13/09/2018
Open data…

All images: Pixabay, CC0
Who we are

A mission-driven business working to improve the effectiveness and impact of research and scholarly communication.

We work with universities, funding bodies, publishers and vendors, in the UK, Europe and worldwide.

@rschconsulting
Research data - a long story...

- OECD Declaration on Access to Research Data from Public Funding (2004)
- RCUK Common Principles on Data Policy (2011)
- UK Government commits to open up publicly funded research (2014)
- G7 Expert Group on Open Science (2017)
- Adapted from Jones (2012). https://doi.org/10.2218/ijdc.v7i1.219
Frequency with which researchers share data

Source: https://figshare.com/articles/The_State_of_Open_Data_Report_2017/5481187/1
Problems in sharing data

Source: https://figshare.com/articles/Whitepaper_Practical_challenges_for_researchers_in_data_sharing/5975011
The UK Open Research Data Task Force

Report due for publication this autumn, and will make recommendations on:

- Incentives
- Leadership
- Expectations
- Infrastructure
- Funding
<table>
<thead>
<tr>
<th>Report reference</th>
<th>Recommendation</th>
<th>Concordant Principle(s)</th>
<th>Timeframe</th>
<th>Responsibilities for implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.a.1</td>
<td></td>
<td>1, 2, 3, 4, 5, 6, 9</td>
<td>Medium-term</td>
<td>UUK G Other funding bodies Learned societies Research organisations Libraries Publishers Infrastructure and service providers</td>
</tr>
<tr>
<td>2.a.2</td>
<td></td>
<td>1, 5</td>
<td>Long-term</td>
<td>3 4 5 6 7 8 9</td>
</tr>
<tr>
<td>2.a.3</td>
<td></td>
<td>9</td>
<td>Medium-term</td>
<td>3 4 5 6 7 8 9</td>
</tr>
<tr>
<td>2.a.4</td>
<td></td>
<td>1</td>
<td>Short-term</td>
<td>3 4 5 6 7 8 9</td>
</tr>
<tr>
<td>2.a.5</td>
<td></td>
<td>8</td>
<td>Medium-term</td>
<td>3 4 5 6 7 8 9</td>
</tr>
<tr>
<td>2.b</td>
<td></td>
<td>6, 7, 9</td>
<td>Medium-term</td>
<td>3 4 5 6 7 8 9</td>
</tr>
</tbody>
</table>
Solving collective action problems

- Government regulation
- Selective incentives
- Community mobilisation
Example #1: Scholix

• (A Framework for) Scholarly Link Exchange

• An interoperability initiative to facilitate the sharing of information about the links between data and literature.

Scholix is supported by the following organizations:
Example #2: COPDESS

- Coalition on Publishing Data in the Earth and Space Sciences

- Developing standards to enable FAIR data on a large scale

- Builds on a statement of commitment for:
  - Repositories
  - Publishers
  - Societies and institutions
  - Funders
  - Researchers

http://www.copdess.org/enabling-fair-data-project/
Example #3: DATA POLICY STANDARDISATION AND IMPLEMENTATION

• Seeks to define common frameworks for research data policy
• Allows for different levels of commitment and requirements and disciplinary differences that could be agreed by multiple stakeholders
• Aims to increase adoption of (standardised) research data policies by all stakeholders, in particular journals and publishers

https://www.rd-alliance.org/groups/data-policy-standardisation-and-implementation-ig
Open data...
...what can publishers do?

- Engage and collaborate with other stakeholders.
- Promote reuse and data citation to encourage researchers to share data.
- Require data access statements to establish clear links between data and publications.
- Develop new business models to offer additional services to authors.
- Clarify what should be shared so that researchers can focus their efforts.
- Deliver training and guidance to ensure all stakeholders know their role.
Thank you

Rob Johnson

rob.johnson@research-consulting.com
@rschconsulting
www.research-consulting.com