Skills for Supporting Research Data Management

Steering Committee Scholarly Communication and Research Infrastructures

LIBER Annual Conference, Helsinki, 29 June 2016
Agenda

9.00 – 9.05 Welcome and introduction to the workshop
Wolfram Horstmann, Birgit Schmidt, University of Göttingen

9.05 – 9.30 Research Data Services in European Libraries: Current Offerings and Plans for the Future
Carol Tenopir, University of Tennessee; Wolfram Horstmann, University of Göttingen

9.30 – 10.15 Training for research data management: What experiences, what practices?
1. Knowledge Exchange Survey on the RDM training landscape in the five partner countries – Jens Nieschulze, University of Göttingen
2. Training and education for RDM in Denmark
   Jesper Boserup, Filip Kruse (taking over from Katrine Hofmann Gasser), State and University Library Aarhus

10.15 – 10.30 Group discussion

10.30 – 11.00 Coffee Break

11.00 – 11.30 Training for research data management ctd.
4. Research data management training for PhD students: three approaches at the University of Helsinki – Monica Allardt, Susanna Nykyri, Katri Larmo & Liisa Siipilehto, University of Helsinki
5. Delivering hybrid RDM training using MANTRA at the University of Edinburgh – Robin Rice, EDINA

11.30 – 11.50 Group discussion ctd.

11.50 – 12.00 Outcomes & next steps
Enabling Open Science

The Scholarly Communication & Research Infrastructures Committee is in charge of Strategic Priority #1: Enabling Open Science.

Research libraries play a key role in enabling Open Science. By doing so, they can increase the transparency and quality of research, create a higher level of citizen engagement and accelerate the pace of scientific discovery through data-driven innovation.

In addition, libraries enable the building of the 'research commons' by ensuring accessibility and long-term availability of research results, fostering new forms of publishing and knowledge discovery, and by opening up metadata.
Our workplan

Support LIBER members in developing skills for RDM

Action #1: Develop a training module addressing policy development and implementation.
  • Deliverable #1: Workshop at LIBER 2016 Annual Conference (June/July 2016). Indicator: 70%+ satisfaction.
  • Deliverable #2: FOSTER module for libraries (June 2016). Indicator: Module online.

Action #2: Collect and create tools for RDM support services.
  • Deliverable #1: A library of Data Management Plans (ongoing).

Best practices in use of metrics

Action #1: Set up a Metrics Working Group.
  • Deliverable #1: Develop a workplan (June 2016). Indicator: Published on the LIBER website.

Build Open Science partnerships

Action #1: Liaise with relevant associations and initiatives (eg. ROA, COAR, ARL, EDISON).
  • Deliverable #1: Joint publication of COAR/LIBER/ARL/CARL task force (June 2016). Indicator: Published by IOS Press.
  • Deliverable #2: Contribution to EDISON events and deliverables (2017). Indicator: Events programme, recognition in deliverables; recommendations endorsed by LIBER.

Action #2: Partner in Open Science Infrastructure Projects.
  • Deliverable #1: EUDAT Data Policy Report (June 2017). Indicator: Recommendations endorsed by LIBER.
  • Deliverable #2: OpenAIRE APC pilot (June 2017). Indicator: Pilot data published.
2015 Workshop

A two-day workshop on Research Data Management in Libraries was held at LIBER’s 2015 Annual Conference. A report summarising the outcomes of the plenary discussions and the breakout sessions is now available.

The workshop targeted two core activity areas:

1. The translation of institutional data management policies into research support services.
2. The need to support researchers in the creation and review of data management plans.

Recommendations on questions to consider were collected, as were practical recommendations derived from the cases under discussion. In addition, participants were asked to provide suggestions on how LIBER could help to strengthen the role of libraries in this activity area.

Download the report.
## 2014 Workshop

### Voting on libraries' engagement in research data management

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<th>Support Services</th>
<th>Audience engagement</th>
<th>Audience mandate</th>
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<td>Offer research data management support, including data management plans for grant applications, intellectual property rights advice and information materials. Assist faculty with data management plans and the integration of data management into the curriculum.</td>
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<td>Support the lifecycle for research data by providing services for storage, discovery and permanent access.</td>
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<td>Get involved in subject specific data management practices</td>
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<th>Infrastructure &amp; Standards</th>
<th>Audience engagement</th>
<th>Audience mandate</th>
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<td>Engage in the development of metadata and data standards and provide metadata services for research data.</td>
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<td>Liaise and partner with researchers, research groups, data archives and data centers to foster an interoperable infrastructure for data access, discovery and data sharing.</td>
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<td>Promote research data citation by applying persistent identifiers to research data.</td>
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<td>Provide an institutional Data Catalogue or Data Repository, depending on available infrastructure.</td>
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<td>Offer or mediate secure storage for dynamic and static research data in co-operation with institutional IT units and/or seek exploitation of appropriate cloud services.</td>
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<th>Policy &amp; interdisciplinary practices</th>
<th>Audience engagement</th>
<th>Audience mandate</th>
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<td>Actively participate in institutional research data policy development, including resource plans. Encourage and adopt open data policies where appropriate in the research data life cycle.</td>
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<th>Skills &amp; staffing</th>
<th>Audience engagement</th>
<th>Audience mandate</th>
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<td>Create Data Librarian posts and develop professional staff skills for data librarianship and integrate data management into the curriculum.</td>
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* the institution's current engagement in this topic

** the engagement the audience would like the Steering Committee Scholarly Communication and Research infrastructure to have

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*Association of European Research Libraries*
Overall, 15 responses, of these 2/3 already offer training.

Q1 Who typically initiates the training?
Training is typically initiated by the library, that is the data librarian/curator (67%), and to a lesser extent by a combination with other staff 33% (N=12).

Q2 Who delivers the training?
Training is often a combined training offered by a data librarian/curator and other staff, most likely together with IT staff (58%); data librarian/curators also provide training on their own (42%) (N= 11).

Q3 Do you assess researchers needs before the training, how?
Yes, using a questionnaire/survey, interviews, observations – overall about 1/2 of all responses

Q6 How do you assess or evaluate the outcomes?
Direct feedback 4x, combined with questionnaire 5x, questionnaire only 2x, not yet 2x (N=13).

Q11 Which target groups are difficult to reach or connect to?
Senior researchers and PhD students (N=5).

Q13 Do you offer discipline-specific training? (N=13)
23% of our group does provide discipline specific training, 77% does not provide such training.

Which topics have you covered in RDM training?

- Institutional policies
- How to cite data
- Licensing data
- Finding/using data repos
- Funder requirements
- Data life cycle
- DMPs
Q4 Do‘s and Don‘ts associated with successful training implementation

- Don’t assume that you know what they want and need.
- Has to be perceived relevant or mandatory.
- No need for planning too long.
- Start and collect feedback.
- Close collaboration with target groups.
- Difficult to succeed if the group is too heterogeneous.
- Use competent professionals.
- No standard size fits all.
- Offer different training materials to different target groups.
Q5 Your success stories?

- **Mandatory PhD courses** on responsible research conduct includes module on RDM
- A **basic RDM training for graduate students** is very easy to deliver
- Trainings **related to scientific production and IPR** are usually highly valued.
- A **national training of multiplicators**: librarians, IT staff, research support staff.

Q7 How can library RDM training be improved?

- **Cooperate!** in particular with researchers, research office, funding agencies
- A **strategy / systematic approach**
- Allocate resources, hire competent staff
Q8 Best Tips for RDM Training Resources