Data literacy, metadata, data citation: Together with the libraries?

Tibor Koltay
Institute of Learning Technologies
Eszterházy Károly University
About myself

• Work experience in academic and special libraries
• Teaching Library and Information Science
• RDA Working Group on Data Citation
• RDA Libraries for Research Data Interest Group
Services and cooperation

- Assistance in preparing data-management plans (DMPs)
- Informational/consultative services
- Technical/hands-on services
- Data literacy education
- What does LERU say?
Assistance in preparing data-management plans

• Required by several funding agencies;
• The most basic level in data sharing and of library services.
Informational services

• Consulting on data management plans and metadata standards;
• Reference support for finding and citing data sets;
• Providing web guides and finding aids for data or data sets.
Technical services

• Providing technical support for the use of data repositories;
• Preparing data sets for a repository (Tenopir et al., 2016).
Data citation

• Goal: Identification, retrieval, replication, and verification of data
• It can motivate researchers to publish data.
→ Reward and acknowledgment if treated similarly to citations to publications
Metadata

• Creating metadata for data sets;
• Traditional expertise of librarians
What does the League of European Research Universities say?

• Academic libraries can provide help in increasing the visibility of research data;
• Well placed to advocate best practices in data management and data citation;
• The main aim is to minimize the time that researchers have to spend on technical and administrative processes;
• Cooperation between researchers and librarians is needed (LERU, 2013).
Possible cooperation

Between teaching staff and librarians

• Providing data literacy education for future researchers;
• Data literacy (*data information literacy*, *science data literacy*, and *research data literacy*) education.
Data literacy

• Incorporates the social and technical aspects of data
• Enables individuals to access, interpret, critically assess, manage, and ethically use data (Koltay, 2015).
Literature


Thank you for your attention.