

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

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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

- Koltay, T. (2015). Data literacy: In search of a name and identity. *Journal of Documentation*, 71(2), 401-415.
- LERU (2013). *LERU Roadmap for Research Data*. Leuven: League of European Research Universities Research Data Working Group <http://www.leru.org/index.php/public/publications/year/2013/>
- Tenopir, C., Pollock, D., Allard, S., & Hughes, D. (2016). Research data services in european and north american libraries: Current offerings and plans for the future. *Proceedings of the Association for Information Science and Technology*, 53(1), 1-6.

Thank you for your attention.