



Presentation at Open Science Conference 2018

Best practices and case studies dealing with FAIR research data principles and secondary data use
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Humanities data sharing: An exploration of conceptual approaches for data journals

Data publication is becoming integral part of Open Science practices. A growing number of journals (PlosOne) requires it, and funder mandates in Europe (Horizon2020) are moving in this direction, as well. The main goal of data sharing is to enhance the re-use of data by fellow researchers. Therefore, quality and reusability is a priority in designing systems that create, store and disseminate data. FAIR Data Principles (Findable, Accessible, Interoperable and Reusable data) should function as a guideline for developing better data management processes and systems.

The EU-funded OpenUP project addresses key aspects and challenges of the currently transforming science landscape and aspires to come up with a cohesive framework for the review-disseminate-assess phases of the research life cycle that is fit to support and promote Open Science. The primary objectives of the project are (1) to identify ground-breaking mechanisms, processes and tools for peer-review for all types of research results (e.g., publications, data, software), (2) explore innovative dissemination mechanisms with an outreach aim towards businesses and industry, education, and society as a whole, and (3) analyze a set of novel indicators that assess the impact of research results and correlate them to channels of dissemination. Within the framework of the project several pilot studies will be conducted in a period of a year to validate the results of the landscape scans of alternative review, dissemination and altmetrics research. The proposed presentation displays the initial results of a pilot study, which evaluates how quality assessment and (open) peer review can be applied to research data in the Arts & Humanities.

The primary focus of our study is to develop a data journal framework together with the DARIAH-EU and DARIAH-DE and to make data relevant for scholarly use. In this process a user-centered approach will be used to address a wide range of research communities and disciplines within Humanities and to introduce a standardized data topology and data management workflow for disseminating and reviewing data. The framework of the data journal attempts to draw attention to the benefits of data publishing and the relevance of data management in the Humanities through connecting existing infrastructural components (data archives, repositories) and data management tools and services (ORCID, DOI, altmetrics) and putting them into the context of re-using data in scholarly work.

This study wishes to advance a dialogue on an institutional level on the significance of a consistent view on data publishing across the different disciplines in Humanities and on the implications of open methodologies and codes enabling data sharing and re-use. Within this discourse several aspect of the data lifecycle will be addressed, such as data management planning, legal issues relating to privacy and copyright, data security, and data preservation. The pilot also wishes to test the developed data journal blueprint and provide best practices of data publishing through experiments in local Humanities research groups and departments.