

Data2Paper: Giving Researchers Credit for their Data

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Data papers cover methodological detail that is not otherwise captured and published in traditional journal articles and/or dataset metadata. As such, they can improve the findability and reusability of the underlying dataset but it also addresses some deeper underlying concerns. A number of disciplines are experiencing a “crisis of reproducibility” as a result of the inadequacy of information provided by traditional papers and data publication alone, leading to increased retractions and reduced credibility. At the same time, the lack of an avenue for publishing negative results from failed methodological approaches leads to unnecessary repeated efforts at a time when funders are pressing for increased efficiency in the use of experimental resources.

Arising from the Jisc Data Spring Initiative,[1] a team of stakeholders (publishers, data repository managers, coders) has developed a simple ‘one-click’ process for submitting data papers related to material in a DataCite/ORCID compliant repository. DataCite and ORCID information is transferred from a data repository to the cloud-based Data2Paper app based on the Fedora/Samvera platform. In the app, the text of the data paper is combined with existing metadata drawn from DataCite and ORCID to generate a package suitable for automated transfer into a journal submission platform without further user interaction. By reusing metadata that has already been previously entered/curated, the process is both simplified and made less error prone.

Currently, a small number of repositories have developed specific connections to a small number of journals but the cost of maintaining those links is not scalable in the longer term. Data2Paper aims to provide a single connection point for a partner journal or repository and manage the process of metadata and paper submission. In addition, Data2Paper supports submission to preprint archives either in conjunction with a (possibly later) journal submission or as a publication route in its own right.

Data2Paper represents a logical extension of the RDM workflow in EOSC services that currently ends with the deposit of data in a suitable repository and the generation of a DataCite DOI with accompanying metadata. It also integrates with the OpenAIRE SCHOLIX hub to detect completion of the publication process, or to encourage authors to chase publishers if necessary!

The presentation will discuss the history of the project, including the results of an initial feasibility study, along with a demonstration of the current pilot implementation with targeted groups. We will outline the current work being done to transition to an operating service with a sustainable business model and consider how the service might develop in the future in conjunction with various other activities in the area, such as the Research Graph, RDA areas of activity (Data Journals Publishing Policy, Credit and Attribution, and Exposing Data Management Plans), issues of impact, reproducibility, FAIR Data, persistent identifiers and new metrics by various national and international bodies.

Type of abstract

Presentation

Summary

Arising from the Jisc Data Spring Initiative, a team of stakeholders (publishers, data repository managers, coders) has developed a simple process for submitting data papers related to material in a DataCite/ORCID compliant repository. Information is transferred from a data repository to the cloud-based **Data2Paper** app. In the app, the text of the data paper is combined with existing metadata drawn from DataCite and ORCID to generate a package suitable for automated transfer into a journal submission platform. By reusing metadata that has already been previously entered/curated, the process is both simplified and made less error prone.

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