

Data Papers are Witness to Trusted Resources in Grey Literature: Driving Access to Data thru Public Awareness

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Definition | Data Paper

Scholarly publications of a searchable metadata document describing a particular online accessible dataset or a group of datasets published in accordance to standard academic practices. As such, data papers represent a scholarly communication approach to data sharing ([wikipedia.org](https://en.wikipedia.org)).



Background | Data Paper Project

Enhanced publications "A publication that is enhanced with three categories of information: research data, extra materials, and post-publication data". ([DRIVER-II](#))

Enhanced publications combine textual resources *i.e.* documents intended to be read by human beings, which contain an interpretation or analysis of primary data.

Enhanced publications inherently contribute to the review process of grey literature as well as the replication of research and improved visibility of research results in the scholarly communication chain.



2011 Survey

Author/
Researcher
'Attitudes on
Sharing Data'



2012 ... Linking Data

Data Acquisition,
Published Datasets,
Workflow, and
Linking Data



2017 Data Paper

Template,
Acquisition,
Publication,
and Training



Template | Data Paper

The template for this project is based on a compilation derived from 3 existing templates:

The template consists of five main sections:

- 1 Overview
- 2 Methods
- 3 Dataset Description
- 4 Potential Reuse
- 5 References

The image shows a screenshot of a document titled "Data Paper Template - Version 1.0". The document is a template for writing a data paper, featuring a header with the "Open Access" logo and the title "DATA PAPER". Below the title, there is an introductory paragraph explaining the template's purpose and the five main sections: Overview, Methods, Dataset Description, Potential Reuse, and References. The document then provides instructions for each section, including a "Title" section with a note that the title should focus on the data and be linked to a specific research paper. It also includes a "Repository Location" section with a note that it should be a link to the repository home page and a DOI. The "Data Paper Authors/Contributors, Affiliations, and Roles" section lists three roles: 1. First name, Last name; 2. ...; and 3. ... Each role has a list of possible roles: Author/Contributor unique ID (e.g. ORCID, ResearchID), Organizational Affiliation, and Author's Role(s): Project Administration / Dataset Creator / Visualization / Draft Text / Review & Editing. The "Abstract" section has a note that it should be a short (ca. 100 words) summary of the dataset being described, what the data covers, how it was collected, how it is stored, and a short description of its potential reuse. The "Keywords" section has a note that a maximum of four keywords is allowed, each separated by a semicolon followed by a space. The "Subject Area" section has a note that it should be the discipline or community of practice (e.g. Medicine, Engineering, Physics, etc.). At the bottom of the page, there is a logo for "Open Access" and the text "Data Administration/Research/Training".

Population | Data Papers Project

GreyNet

Data Collection



Data
Papers

GreyNet

In 2012, GreyNet's 1st dataset was entered in the DANS Archive

GreyNet now has a collection of 30 datasets in

Review Process | Data Papers

1. Submissions are first checked against the standardized template. The author(s) may be asked to provide additional information.
2. The (revised) data paper is then sent to the Data Management Librarian for review.
3. Once reviewed the data paper is entered in the DANS Archive as a preprint, where it is CC0 licensed and shares in the DSA, Data Seal of Approval.
4. As such the Data Paper implements FAIR Principles:
Findable, **A**ccessible, **I**nteroperable, **R**eusable

Publication | Data Papers

The data paper is first published as a **preprint** alongside its corresponding dataset in the DANS Archive. There it is preserved and remains available via a license.



The data paper is then scheduled for republication in TGJ, The Grey Journal (ISSN 1574-1796), where it receives coverage through multiple A&I Services and is available in full-text via the EBSCO LISTA-FT database.



Scopus



Results | Data Papers Project

Since the initial request to **15** first authors responsible for GreyNet's Collection of published datasets in the DANS Archive, results to date show:

- The Data Paper Template compiled and edited for this Project has proven to be efficient.
- **Six** authors have indicated an interest in drafting a Data Paper, **five** of which are now published in DANS and **two** in TGJ.
- Data Papers are now listed as a new GL Document Type appearing in the **GreySource** index.
- Data Papers lend added support to the ***Pisa Declaration on Policy Development for Grey Literature Resources.***





Spin-Off | Data Papers Project

The Grey Journal

Authors, who have published in The Grey Journal outside of the GL-Conference Series and whose data is not in the DANS Archive, have indicated a willingness to submit their data and complete a Data Paper.

GreyForum Series

“Data Papers, A Trusted Tool in Research and Data Sharing”

This workshop and training is being developed and will be offered to information professionals. The emphasis lies in raising awareness to data access and its potential reuse for science and society via Data Papers.



Follow Up | Data Papers Project



**GreyNet
Workflow**



**User
Statistics**



**Data Citations
and References**



**Author
Feedback**

On behalf of the Project Team



Thank You

And, we hope to hear from you soon!

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GreyNet

Grey Literature Network Service