Data Management Plans - What You Need to Know

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Introductions

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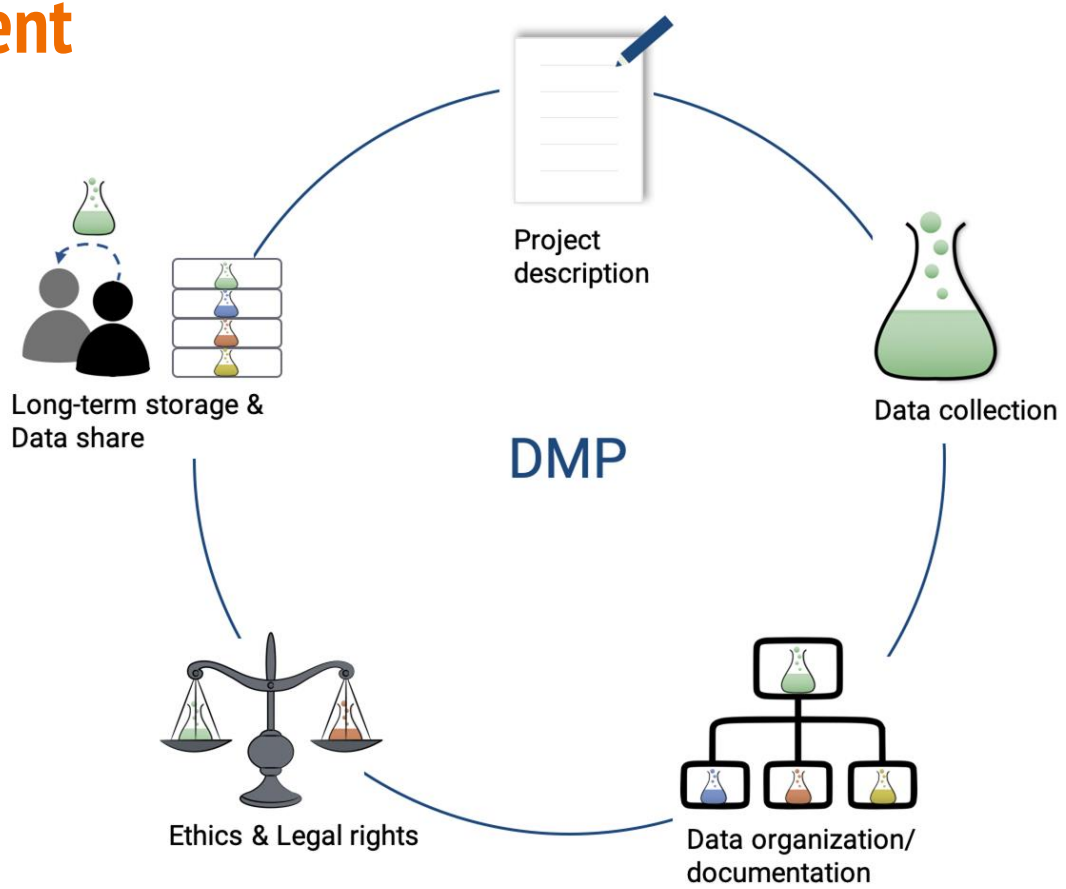
And you?

What is a data management plan (DMP)?

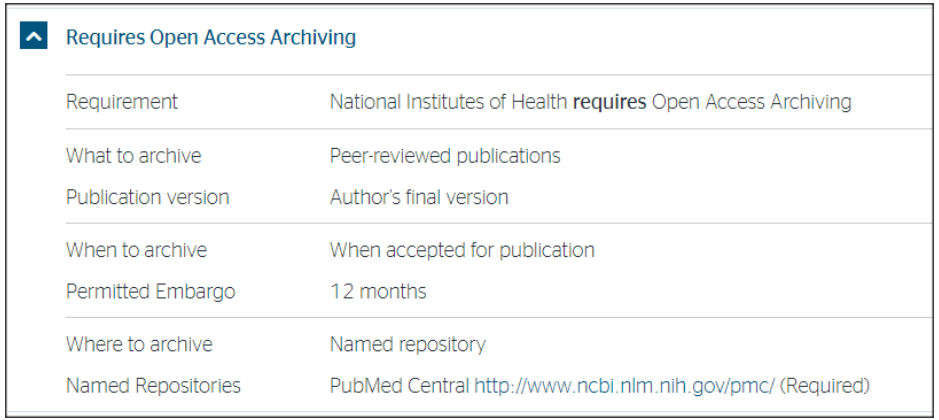
1. Description
2. Collection
3. Organization
4. Ethics
5. Storage

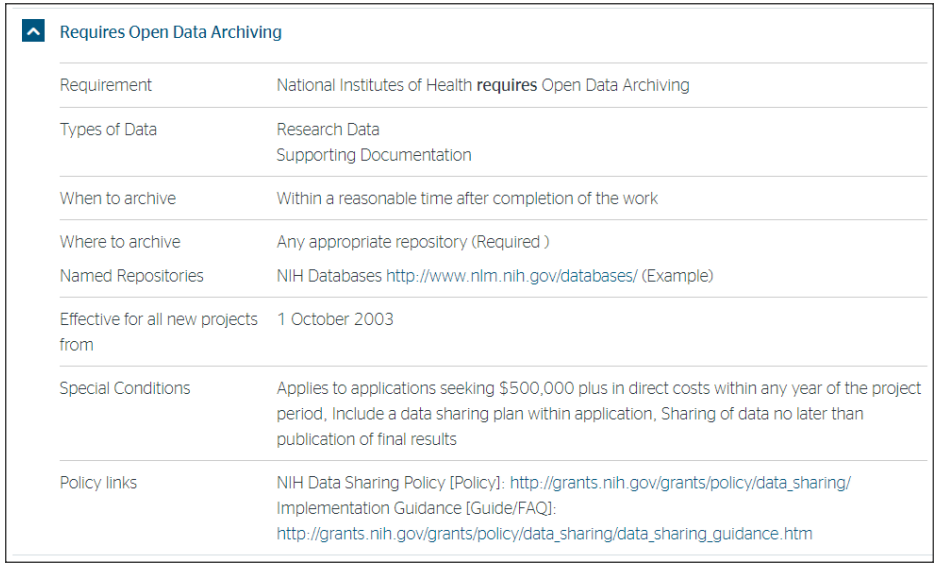


Why does it matter?

- Grant funding requirements
- Journals requiring the research data alongside the article/study
  - Increase impact and visibility
- Reproducibility
  - Maximize transparency, accountability and scrutiny of research findings
- Enable reuse and new research projects

Funder Requirements: NIH example





Funder Requirements: NSF example

Sherpa Juliet

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National Science Foundation

Funder Information

Funder Name	National Science Foundation (NSF) [English]
URL	http://www.nsf.gov/ [English]
Identifiers	FundRef DOI: https://doi.org/10.13039/100000001
Country	United States of America

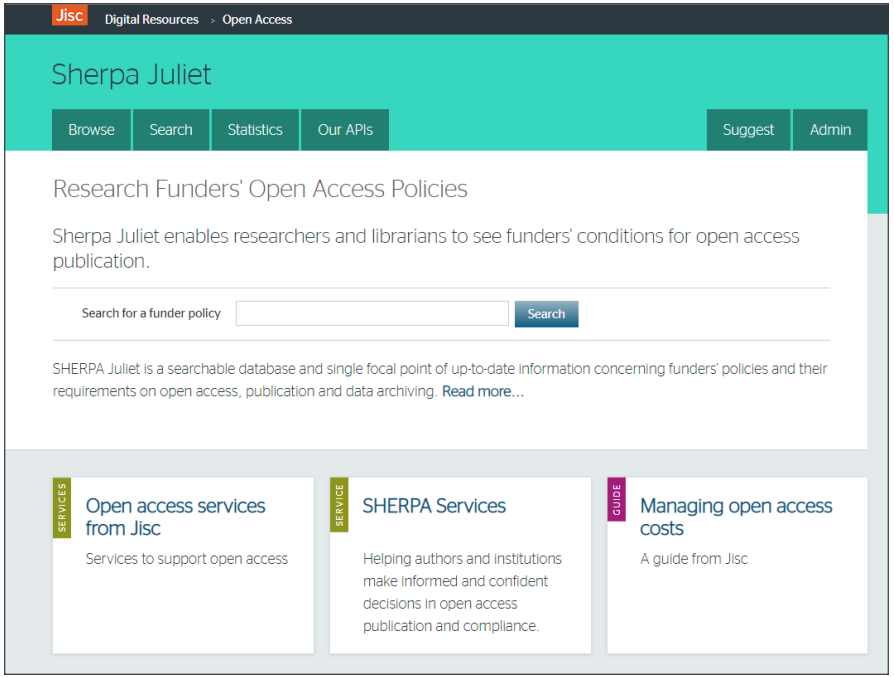
Requires Open Access Archiving

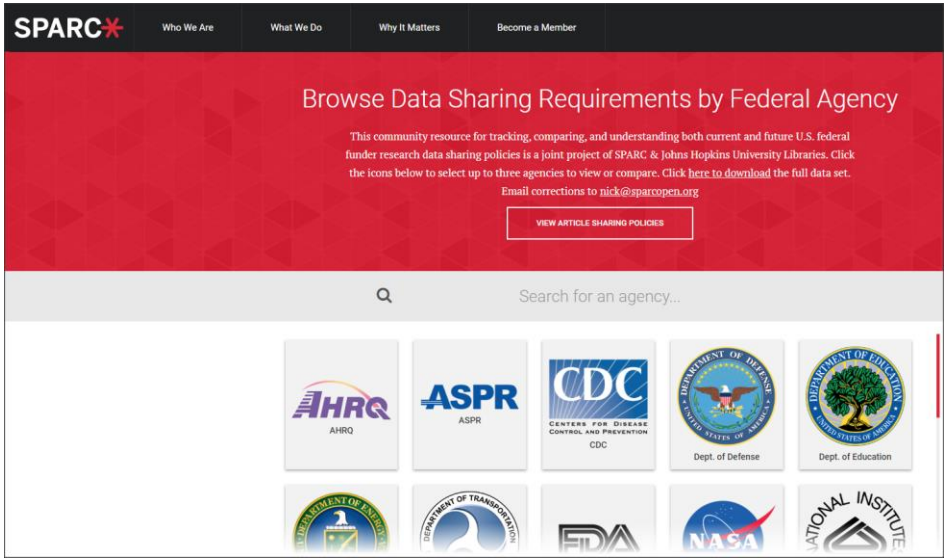
Requirement	National Science Foundation **requires** Open Access Archiving
What to archive	Conference papers Peer-reviewed publications
Publication version	Publisher's version (Optional) Author's final version (Optional)
When to archive	At the earliest possible opportunity
Permitted Embargo	12 months
Where to archive	Named repository
Named Repositories	Public Access Gateway for Energy and Science (PAGES) http://www.osti.gov/pages/ (Required)
Metadata Record	Metadata must be deposited at the date of publication

Requires Open Data Archiving

Requirement	National Science Foundation **requires** Open Data Archiving
Types of Data	Research Data Specimens and Samples Associated Metadata Program Code
When to archive	Within a reasonable time after completion of the work
Where to archive	
Effective for all new projects from	18 January 2011
Data Access Cost	Costs of access provision may be recovered on a not-for-profit basis.
Special Conditions	Applies to primary datam samples, physical colletions and supporting materials created or gatehred in the course of the work, Encouraged to share software and inventions, Data Management Plan must detail the types of data to be shared, the standards of data and metadata format and content, the policies for access and sharing of data, the policies for provisions of re-sue and re-distribution, as well as plans for archiving, Data should acknowledge support of NSF and award number, Applies to all approved NSF Individual Research and Development plans for NSF employees and Intergrovernmental Personnel Act assignes
Policy links	Dissemination and Sharing of Research Results [Policy]: http://www.nsf.gov/bfa/dias/policy/dmp.jsp

Grant Compliance Checkers





http://v2.sherpa.ac.uk/juliet/

http://researchsharing.sparcopen.org/data

Examples

Pacific

Boilerplate describing Scholarly Commons

Writing guides from ORSP Research Development

Guidance from NIH Office of Extramural Research

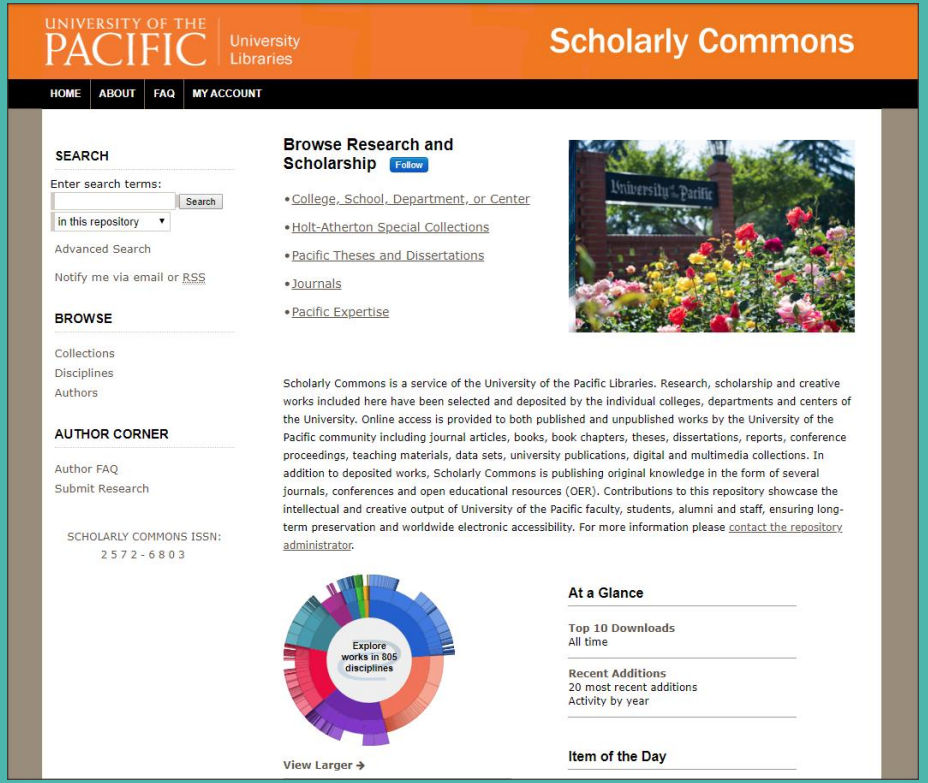
External

- Example of NIH Data Sharing Plans
  - Three short examples of data-sharing plans from the NIH website
  - Create a Resource Sharing Plan

- NSF Data Sharing Requirements
  - Requirements by Directorate or other NSF unit

Data Repositories - Scholarly Commons

Pacific branded
Unlimited storage
Any file type
Excellent SEO
Customizable display & metadata
FAIR Principles



FAIR Principles

1. Findable
2. Accessible
3. Interoperable
4. Reusable

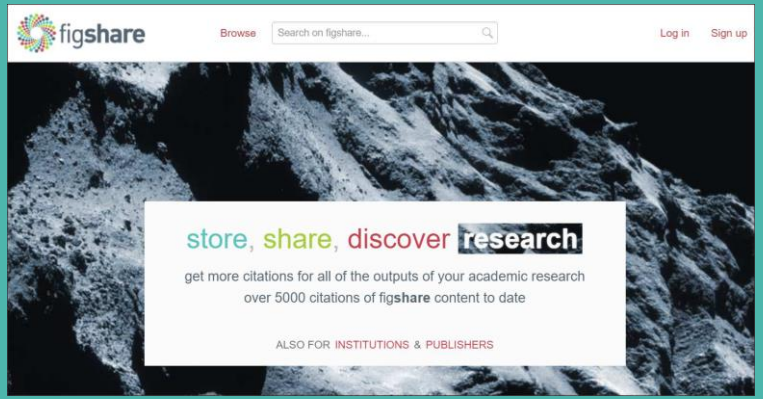
https://www.go-fair.org/fair-principles/
https://www.nature.com/articles/sdata201618

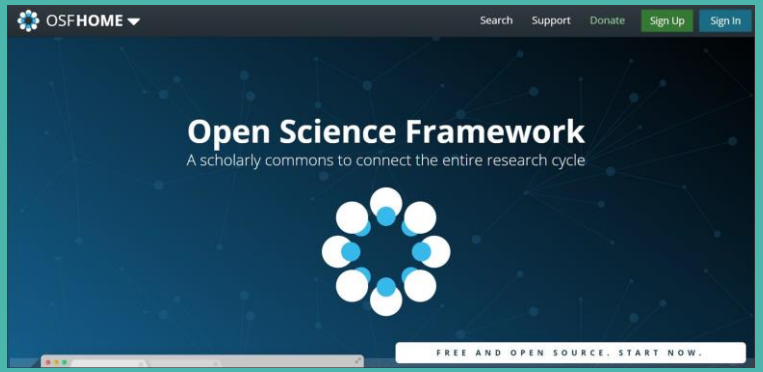
Data Repositories - External

Figshare: https://figshare.com/

OSF: https://osf.io/

Re3data: https://www.re3data.org/





DMP Tool

https://dmptool.org/

Additional DMP Resources

QUESTIONS?

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