


Research Data Management for IROCs

A whistle-stop tour!

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Overview

- What is Research Data Management?
- How do I do it?
- What else is there?
- Further resources

Research Data is...

- Text, documents, corpora, images, maps, web pages, spreadsheets, interview transcripts, video, audio, 3D models, ...
- Any source of information you use to support a research conclusion or argument

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Research Data **Management** is...

1. Ensuring your data is safe, secure, documented, accurate, findable, useful, preserved, appropriately shared
2. Planning the actions necessary for the above

Brief aside

I try to consistently treat "data" as a mass noun

*Other people prefer to treat it as plural;
I don't mind what you do as long as you're consistent!*

Tell the *whole* story

Not just the book/article! Yes, data, but also...

- Methodology
- Analysis code
- Intellectual property
- Primary & secondary sources
- Public engagement activities
- Creative outputs: performances, artworks, poetry...

Wellcome Trust call this "Outputs Management"

Open Data

- Available for others to reuse...
 - ...without charge
 - ...without unreasonable restrictions

FAIR Data

- **F**indable
- **A**ccessible
- **I**nteroperable
- **R**eusable

Not all data can be open!

Opportunities

- Raise your profile/influence
- Attract collaborators
- Get more citations
- Enable new types of research
- Improve transparency

What else?

- Documentation
 - Both human-readable and machine-readable
 - Provenance, copyright & licensing, structure, content
- Organisation
 - File naming & folder structure
 - File formats
- Licensing & intellectual property
- Information security
 - Availability
 - Confidentiality
 - Integrity
- Curation, preservation & archival
- **Planning** for all of the above

Data management planning

Great tool to help you consider all aspects

(Also a funding requirement for many grants)

dcc.ac.uk/dmps for examples and guidance

dmponline.dcc.ac.uk for templates

Where to learn more

This is just the beginning of your journey!

- British Library: A Guide to Research Data Management: doi.org/gsh6
 - From the [British Library Scholarly Communications Toolkit](#)
- Write a data management plan with [DMPonline](#)
- Research Data MANTRA course mantra.edina.ac.uk
- ALLEA "Sustainable and FAIR Data Sharing in the Humanities" report: doi.org/ghp928
- [The Programming Historian](#), especially "[Preserving Your Research Data](#)" lesson
- [Library Carpentry FAIR Research lesson](#) (work in progress)



**Thank
you**

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