

Opening up research data

A Bitesize Guide to Research Data in the 21st Century

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19th century data

Why is this important?

We can't know all possible uses of our own data

Definitions

Research data

material collected and analysed to support research conclusions

Research data management

ensuring data are safe; secure; organised; documented; preserved; appropriately shared

Drivers

Technology

More data

Better connectivity

Culture

Data as a first-class citizen

Transparency

Show your working

Value for money

Don't collect the same data twice

Policies

funder — publisher — institution

Legal requirements

Intellectual property

Data Protection Act

Opportunities

Raise profile/ increase influence

Attract collaborations

Get more citations

Enable new types of research

Risks

Confidentiality

Getting scooped

Practical steps

1. Write a data management plan
2. Manage data during project
3. Curate, preserve & share data

Write a data management plan

Each funded project should have one

University support

- DMPonline for templates & expert guidance
- We will comment on drafts: rdm@sheffield.ac.uk

Manage data during project

Documentation/metadata; organisation; backup; security

University support

- Doctoral Development Programme
- sheffield.ac.uk/library/rdm
- Enquiries service: rdm@sheffield.ac.uk
- *Online training module (forthcoming)*

Curate, preserve and share data

- Data underlying published conclusions
- Data of particular value to the community
- Other useful stuff (e.g. negative results)

University support

- Data Catalogue/Repository
- sheffield.ac.uk/library/rdm
- Enquiries service: rdm@sheffield.ac.uk

ORDA: Online Research Data

orda.shef.ac.uk

Share datasets, code, posters, presentations, ...

DOI for every dataset

Public & private sharing

Altmetrics for everything

Powered by figshare

Data access statement

"The data underlying this publication can be obtained..."

- "...by downloading from <http://dx.doi.org/10.15131/xzy>"
- "...on request by contacting *research-group-name@sheffield.ac.uk*"
- "...by contacting our commercial partner xyz"
- "No new data were created during the course of this study"

Questions

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