

# Opening up research data

*ScHARR: Research in the 21st Century*

*Jez Cope, Research Data Manager  
University Library*



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

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## University support

- DMPonline for templates & expert guidance
- We will comment on drafts: [rdm@sheffield.ac.uk](mailto:rdm@sheffield.ac.uk)

# Manage data during project

Documentation/metadata; organisation; backup; security

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## University support

- Doctoral Development Programme
- [sheffield.ac.uk/library/rdm](http://sheffield.ac.uk/library/rdm)
- Enquiries service: [rdm@sheffield.ac.uk](mailto: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)
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## University support

- Data Catalogue/Repository
- [sheffield.ac.uk/library/rdm](http://sheffield.ac.uk/library/rdm)
- Enquiries service: [rdm@sheffield.ac.uk](mailto:rdm@sheffield.ac.uk)

# Get your research data in ORDA

**The hub for managing and sharing research data at Sheffield**

Learn more about looking after your data at: [sheffield.ac.uk/library/rdm](https://sheffield.ac.uk/library/rdm)

or upload your data now at: [sheffield.figshare.com](https://sheffield.figshare.com)

Any questions? [Email us: rdm@sheffield.ac.uk](mailto:rdm@sheffield.ac.uk)



# University Data Catalogue & Repository

[sheffield.figshare.com](https://sheffield.figshare.com)

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/xyz>"
- "...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

*rdm@sheffield.ac.uk*