Managing research data

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What is research ~~data~~ sources?

I don't have any 'data'!

Data is your stuff

Not so much *what* material is but *how* it's used

Research data is the evidence (sources) that underpin the answer to your research question …

What is research data management?

Research data management is …

How you look after your research data (sources) on a day-to-day basis over the lifetime of a research project

What happens to research data (sources) in the longer term - what you do with it after the project concludes

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The benefits

Data management is a good thing

work more efficiently – develop good habits

save time

avoid problems in the future

Meet funder and institution expectations

increase citations

see: sparceurope.org/open-data-citation-advantage

The benefits

Data management
is a good thing

It's just good research practice

How to successfully manage your research data

Planning ahead is key

Data Management Plan (DMP) = a good thing!

A formal document which outlines all aspects data management, i.e. what you will do with data during and after the research project ends.

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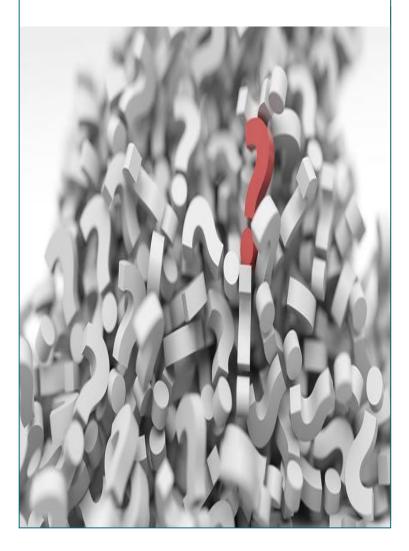
University recommends

AHRC with grant applications

...during and after the research project ends.

DMP templates

AHRC DMP

- Data summary - What types of data? Why?

- Data collection - How you will collect and organise data?

- Short-term data storage (and backup)

- Long-term data storage (archiving)

- Data sharing - What data will be shared? How will the data be shared? What value will it have to others?

- Ethical and legal considerations (permissions / IP)

How

DMPonline

https://dmponline.dcc.ac.uk

An online tool, created by the Digital Curation Centre, which is designed to help you **create personalised data management plans** according to the requirements stipulated by the major UK funders.

York DMP template for postgraduate research projects (and prompt sheet)

www.york.ac.uk/library/info-for/researchers/data/planning

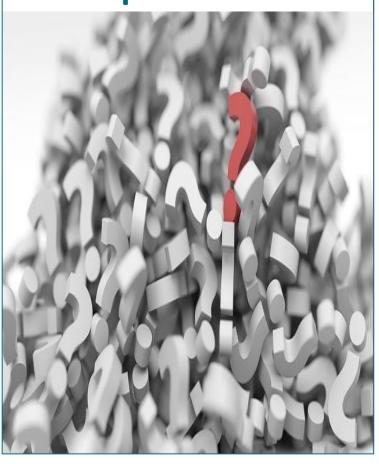# Archiving research data - considerations

Selecting what to keep

The University, and most funders, expect research data that:

a. underpins published findings

b. is considered to have long-term value
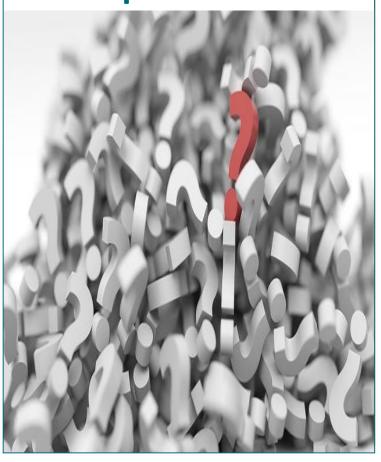
to be retained and shared with others.

Where possible

How option 1

Deposit research data for retention **with an external data archive / repository**

- Funder
  - "an accessible and appropriate" repository AHRC

- discipline/subject-specific
  - www.re3data.org to identify a suitable data archive or repository for your data
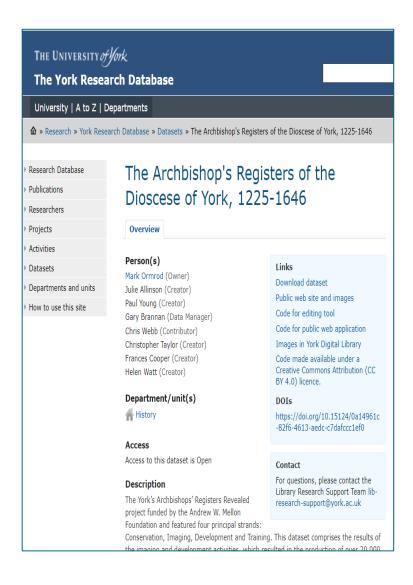
- publisher

How option 2

Deposit research data for retention with the **University's Research Data York service**

We will store and manage access to your data for a minimum of 10 years

www.york.ac.uk/library/info-for/researchers/data/research-data-york

York's retained datasets

At York all retained research data is recorded in PURE.

Dataset records then appear in the [York Research Database](#)

What you need to do

Before your project

Plan your data management

1. **Write a data management plan**

During your project

Look after your live data

3. Update the DMP

4. Organise the data

5. Store the data

6. Describe the data

7. Decide what data to keep

End of your project

Start sharing and depositing data to meet University/funder requirements

8. Deposit (and share*) the data

9. Obtain a DOI

10. Include a data access statement in publications

* Decide if data can be shared openly or if access to the data needs to be restricted.

Further help and information

RDM web pages
www.york.ac.uk/rdm

RDM 101 tutorial
complete the tutorial in the VLE

RDM workshop
book a place through SkillsForge

Research Support Team
lib-research-support@york.ac.uk

IT Support Office
itsupport@york.ac.uk