



Data sharing at the University of Cambridge

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You will receive the slides



TODAY:

- Funders' requirements for data sharing
- Support available at Cambridge

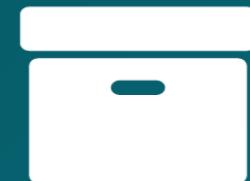


OPEN ACCESS

PUBLICATIONS



DATA



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WHAT IS RESEARCH DATA?

“...material (...) accepted in the scientific community as necessary to validate research findings...”

EPSRC:

<http://www.epsrc.ac.uk/about/standards/researchdata/scope/>





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Funder policies for Open Access to DATA



“Publicly funded research data are a public good (...), which should be made openly available with as few restrictions as possible...”



<http://www.rcuk.ac.uk/research/datapolicy/>



Some funders actually check it...



Random checks on all publications from 1 May 2015 that acknowledge EPSRC ± sanctions for not sharing

How to share data?

- Store data for (at least) 10 years
- Describe your data
- Deposit your data in suitable data repositories and a link to your data in your publication
 - NCBI/GEO: <http://www.ncbi.nlm.nih.gov/geo/>
 - UK Data Service: reshare.ukdataservice.ac.uk/
 - EGA: www.ebi.ac.uk/ega/home
 - Or other repositories (including Cambridge repository):
www.data.cam.ac.uk/repository

Exemptions

- Personal/sensitive data
- IP protection/commercial data

Appropriate statement in the publication
needs to explain the reasons for restrictions

Data Management Plans:

- Compulsory part of grant applications
- Plans for data sharing/reasons for restrictions
- MRC – update your plan regularly
- Adherence to the plan might be monitored and taken into account when applying for future funding

Budget for Research Data Management and sharing in your grant application:

- Funding can be requested on grant applications as part of the full economic cost of a research project
- Funding can be used to support for example:
 - *staff*
 - *physical resources, e.g. storage*
 - e.g. sharing data via Cambridge data repository: £4/GB

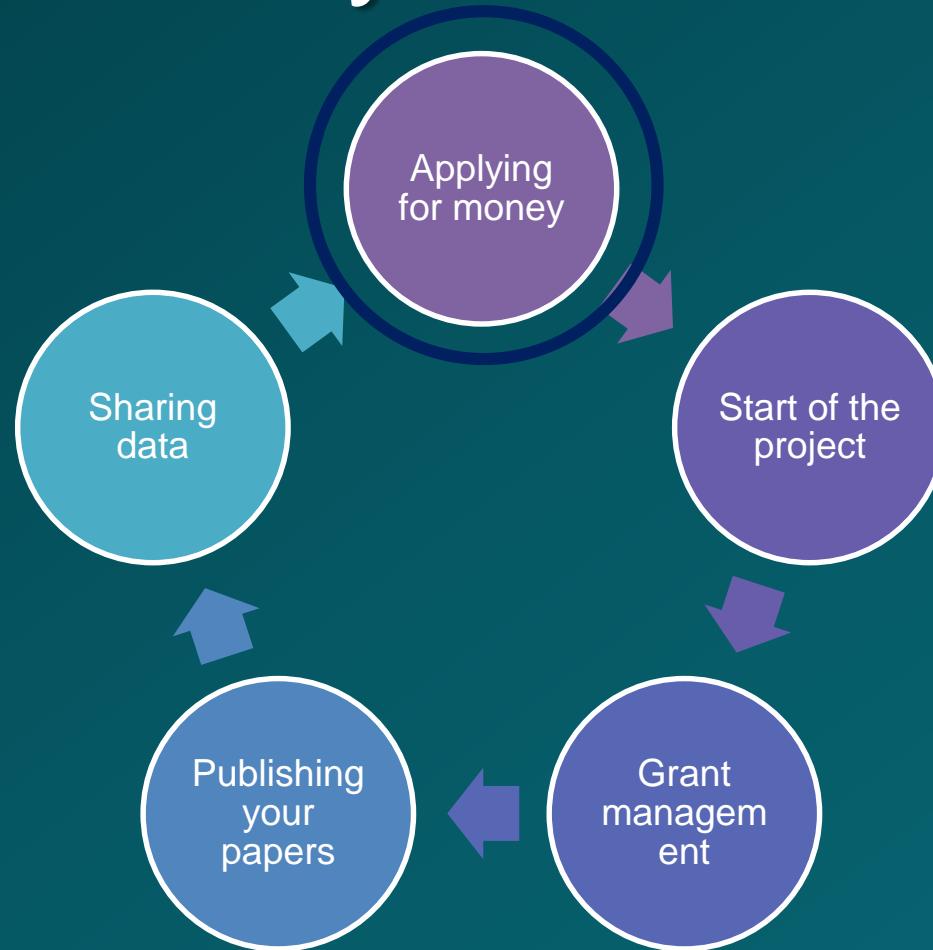
What do I need to do?

- For every new publication – share what is shareable & add a statement
- If you cannot share the data – at least make metadata available
- When applying for money:
 - Budget for Research Data Management and sharing
 - Highlight the impact of sharing your data
- Be aware of help available to you at the University of Cambridge

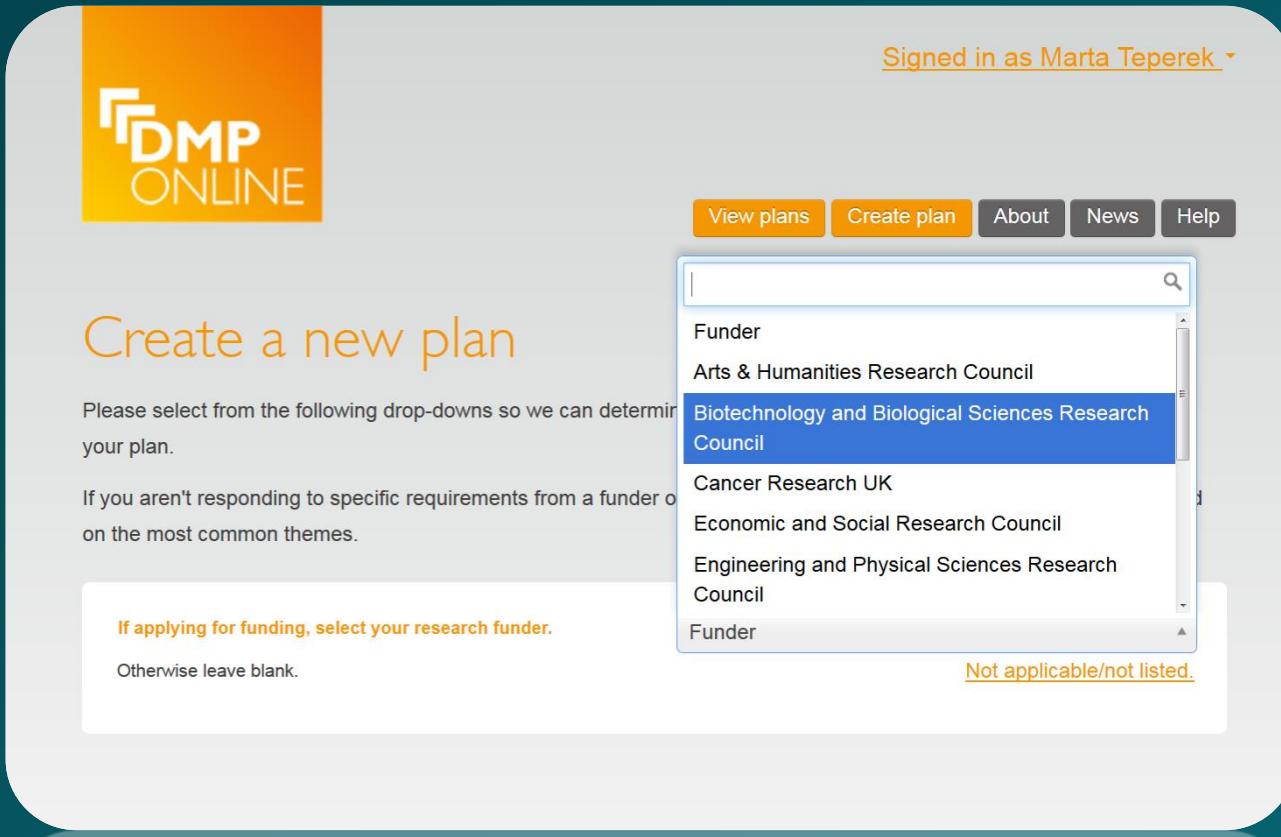
Cambridge support for data management and sharing



Research lifecycle



DATA MANAGEMENT PLAN



Signed in as Marta Teperek ▾

View plans Create plan About News Help

Create a new plan

Please select from the following drop-downs so we can determine your plan.

If you aren't responding to specific requirements from a funder or on the most common themes.

If applying for funding, select your research funder.
Otherwise leave blank.

Funder

- Arts & Humanities Research Council
- Biotechnology and Biological Sciences Research Council
- Cancer Research UK
- Economic and Social Research Council
- Engineering and Physical Sciences Research Council
- Funder

Not applicable/not listed.

<https://dmponline.dcc.ac.uk/>

www.data.cam.ac.uk/support/external

Guidance on data management plans

Advice on preparing a data management plan

Would you like to get advice on your data management plan? We are here to help. Please send us your data management plan by using the form below and we will get back to you within five working days.

Important notes:

By using this service you certify that you have read you [funder's policies on research data management](#) and prepared your data management plan in accordance with these policies.

Funders' guidance on data management plans:

Specific guidance on funders' requirements for data management plans is available below – you need to follow funders' guidance when preparing a data management plan.

- [AHRC](#)
- [BBSRC](#)
- [EPSRC](#)
- [ESRC](#)
- [MRC](#)
- [NERC](#)
- [Royal Society](#)
- [STFC](#)
- [Wellcome Trust](#)

Example data management plans:

We also have some example data management plans which might be useful when preparing your first data management plan:

- [AHRC](#) – from the University of Bristol
- [ESRC \(Social Sciences\)](#) – from the University of Leeds
- [ESRC \(Psychology\)](#) – from the University of York
- [MRC](#) – from the University of Bristol
- [Wellcome Trust](#) – from London School of Hygiene and Tropical Medicine

Guidance on data management plans

Funder's name *
- Select -

Deadline for the submission of the grant proposal *
Day Month Year

Your name *

Your e-mail address *

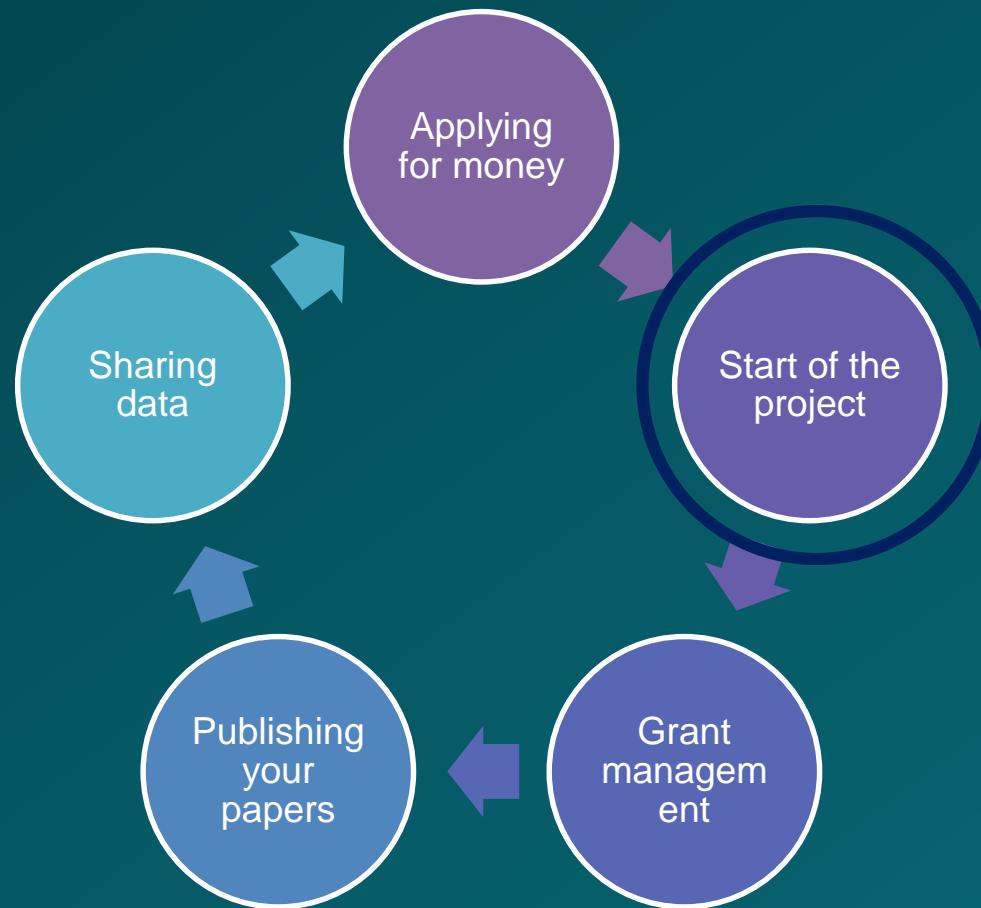
Please enter your e-mail address carefully – we will use it to get in touch with you.

Upload your draft plan *
 No file selected.

www.data.cam.ac.uk/DMPsupport UNIVERSITY OF CAMBRIDGE



Research lifecycle



Research Data Management

[Home](#)[Open Access](#)[Data Management Guide](#)[Support](#)[Data Repository](#)[Research Data Policies](#)[Contact](#)

Have a question? E-mail info@data.cam.ac.uk

www.data.cam.ac.uk

Funder names arranged alphabetically. Click on the hyperlink below to see the full-length policy.

MRC Read the policy	<p>The MRC expects valuable data arising from MRC-funded research to be made available to the scientific community with as few restrictions as possible so as to maximize the value of the data for research and for eventual patient and public benefit. Such data must be shared in a timely and responsible manner.</p> <p>Grant holders shall review and update their data management plans annually. MRC also provides a detailed guideline on dealing with personal data in medical research.</p>	January 2016
NERC Read the policy	<p>Possible sanctions: "those who do not meet the data management requirements [...] risk having award payments withheld or becoming ineligible for future funding"</p> <p>Data needs to be deposited into a NERC data centre within 2 years of collection</p>	January 2016
NIH Read the policy	<p>"Data sharing is essential for expedited translation of research results into knowledge, products and procedures to improve human health."</p>	January 2016
NIHR Read the statement	<p>"Data generated through participation of patients and the public should be put to maximum use by the research community.</p> <p>When you submit your final report to NIHR they will ask you to make a statement about your data archiving position. Possible responses might state that all available data:</p> <ul style="list-style-type: none">▪ Can be obtained from the corresponding author.▪ Is included as an appendix to the report.▪ Can be obtained from the corresponding author via the (name of) repository. <p>If you have deposited (or intend to deposit) data from your study into a data sharing repository, please supply the URL to the data archive so that when your report is published, the link to the data archive can be displayed on the NIHR Journals Library website alongside your published report.</p> <p>For research involving samples or information</p>	January 2016

Key policy highlights

Date of the last update/policy check

Frequently Asked Questions

- They really are!
- From discussion with over 1450 researchers



Frequently Asked Questions

Thanks to all the people who have attended our open data sessions during the first half of 2015. We were able to collect all the questions we received from researchers and research students and have prepared a list of Frequently Asked Questions.

We would also like to thank **Ben Ryan from the EPSRC** for carefully checking our advice and for his comments that helped us improve the answers.

We have arranged the list of FAQ into eight categories, thematically grouped:

[What needs to be shared and when?](#)

[Questions about exemptions from research data sharing](#)

[Questions about resources to support research data sharing](#)

[Questions about data repositories and linking to data](#)

[Questions about personal/sensitive/commercial data](#)

[Questions about source code sharing](#)

www.data.cam.ac.uk/data-faq

Clarification on funders' policies/negotiations with funders

- EPSRC: <https://unlockingresearch.blog.lib.cam.ac.uk/?p=151>
- BBSRC: <https://unlockingresearch.blog.lib.cam.ac.uk/?p=337>
- UK Concordat on Open Research Data:
<https://unlockingresearch.blog.lib.cam.ac.uk/?p=285>
- RCUK guidelines
- Wellcome Trust
- Cancer Research UK
- NERC

Research lifecycle



Training and support

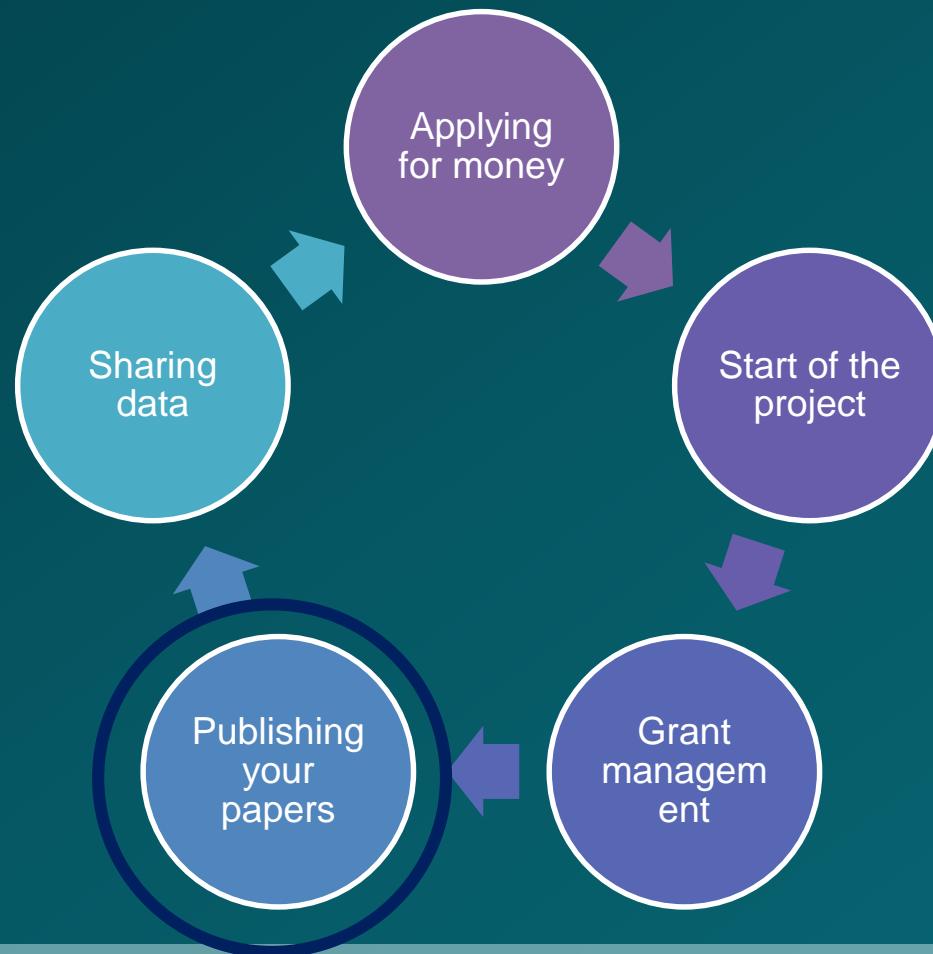
04 FEB	Unlock the potential of smart technology and data management Thursday, 4 February 2016, 09:30 to 13:30
12 FEB	Strategies for managing social media research data Friday 12 February, 1:00 PM - 4:00 PM
29 FEB	Research Data Management Workshop Mon 29 Feb 2016, 10:30 - 12:30
14 MAR	Our Digital Future - Multidisciplinary Perspectives on Long Term Data Preservation and Access Monday 14 - Tuesday 15 March 2016
12 APR	Research Data Management Workshop Tues 12 April 2016, 10:30 - 12:30
11 MAY	Research Data Management Workshop Wed 11 May 2016 - 10:30 - 12:30
14 SEP	Research Data Management Workshop Wed 14 Sept 2016 - 10:30 - 12:30

www.data.cam.ac.uk/events

Training programme:

- Workshops on research data management
- Software management and sharing
- Data provenance
- Data licensing
- Introduction to Data Science
- How to publish useful data?
- Managing social media research data
- Research metrics
- And many, many others...

Research lifecycle

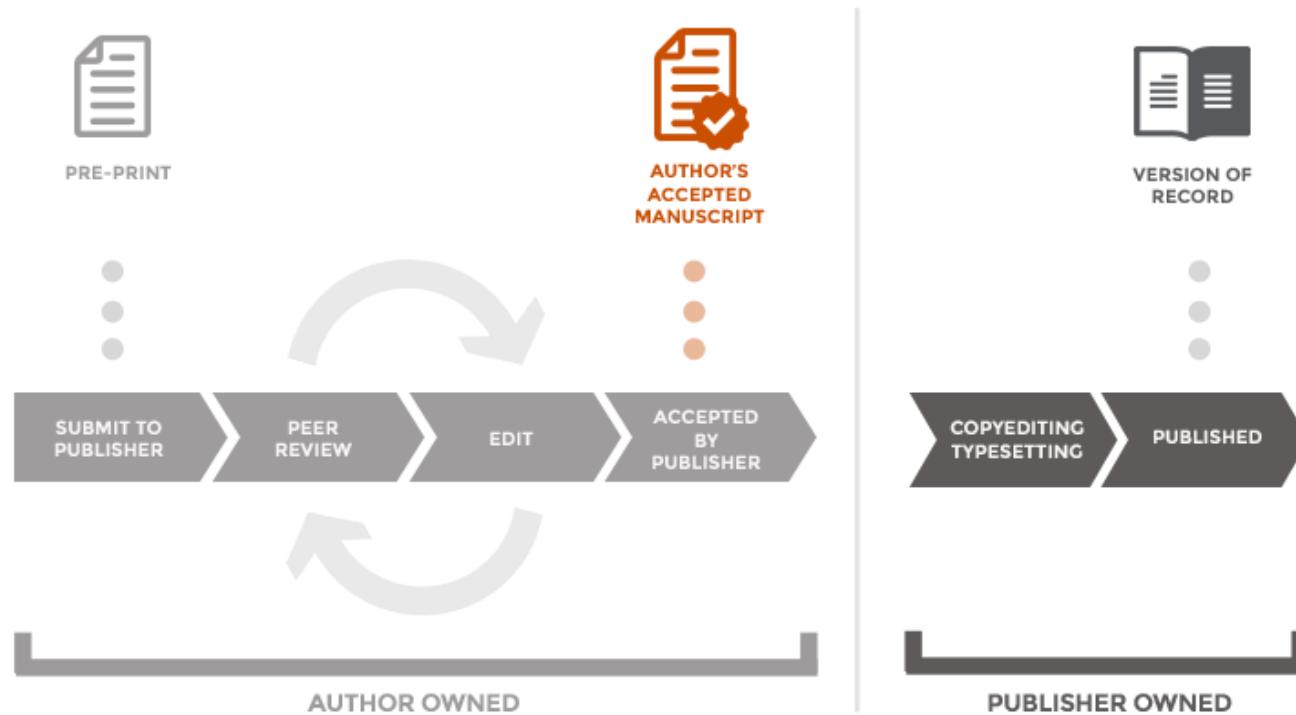


Accepted for publication?

Make sure your work can meet REF and
other funders' Open Access requirements

[Upload manuscript](#)

Simply send us your Author-Accepted Manuscript on acceptance or when asked to choose an Open Access option and we'll guide you through what you need to do.

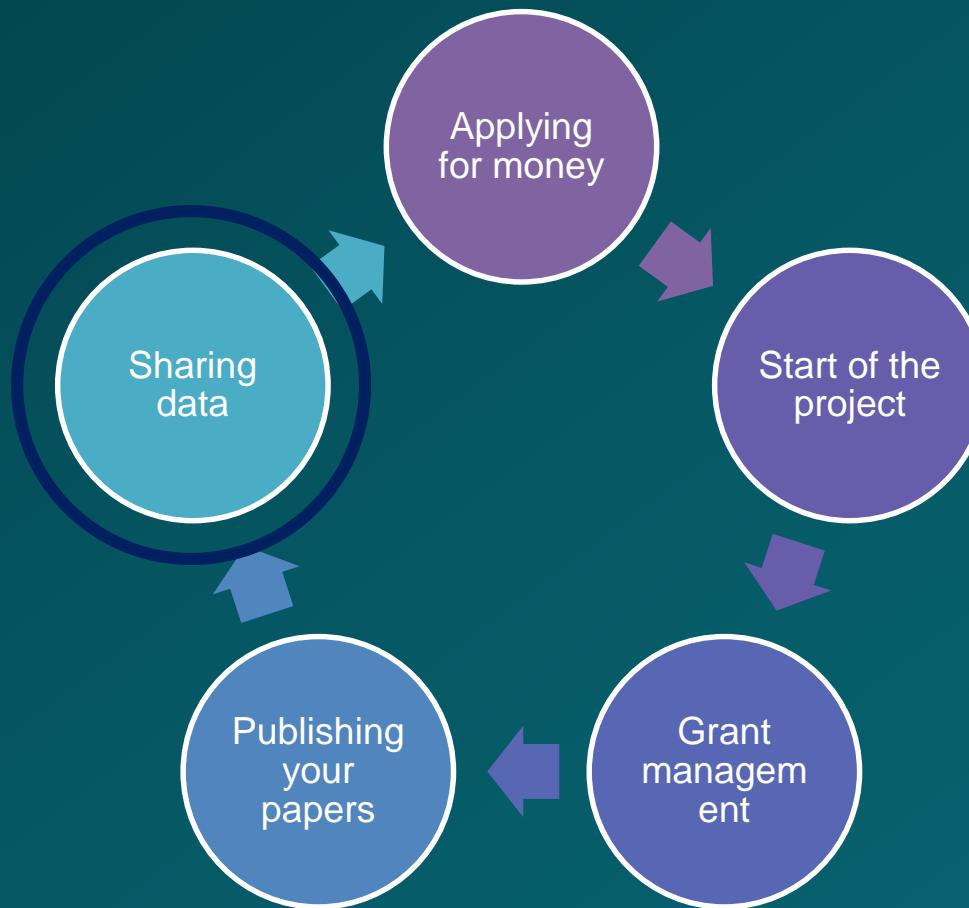


www.openaccess.cam.ac.uk

info@openaccess.cam.ac.uk



Research lifecycle



How to share research data?

Data Repository



Image from Wikieditor243, CC BY-SA

What shall I do to make my data available?

To make your data available first make sure that it is properly organised and labelled, and then simply upload your data to a data repository. You can:

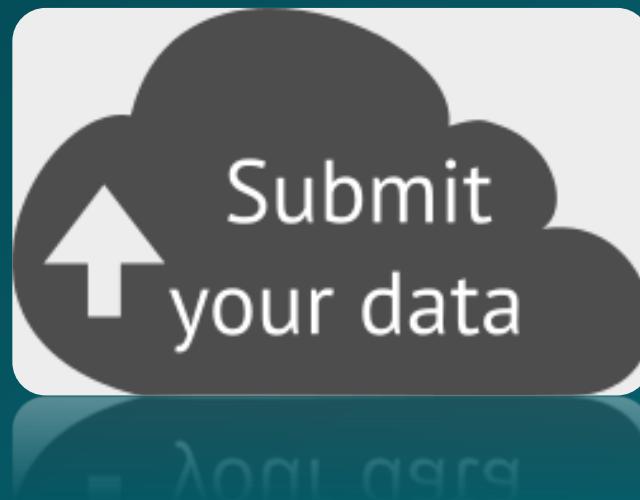
- upload your data to the University repository
- choose an alternative data repository
- sometimes your funder (e.g. ESRC or NERC) will require that you deposit your data into a specified data repository

www.data.cam.ac.uk/repository

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Cambridge data repository



www.data.cam.ac.uk/upload





Home > Add content

Create a new data submission •

Data submission form

We accept depositions up to 20GB. If your dataset exceeds 20GB, please [contact us](#). If you have any problem

I understand and agree to the terms and conditions *

Please confirm if you have read and accepted the data deposition [terms and conditions](#)

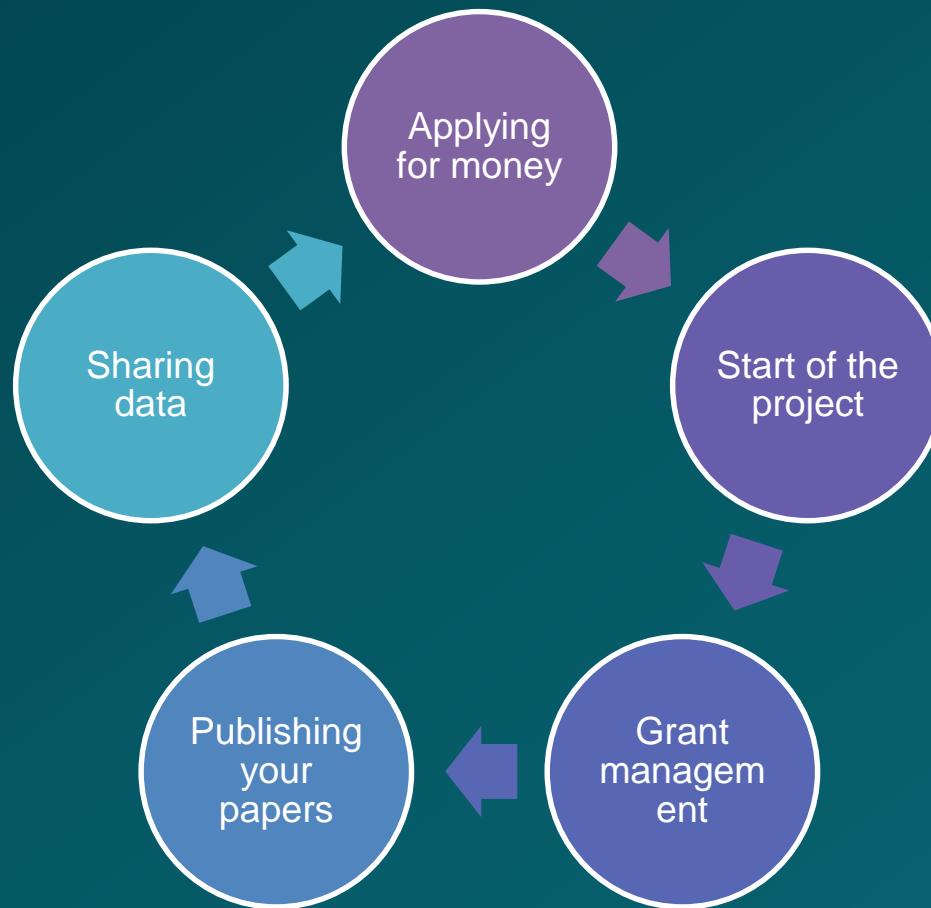
Title *

List all authors of this dataset *

Description of your data *

Descrição do seu dataset *

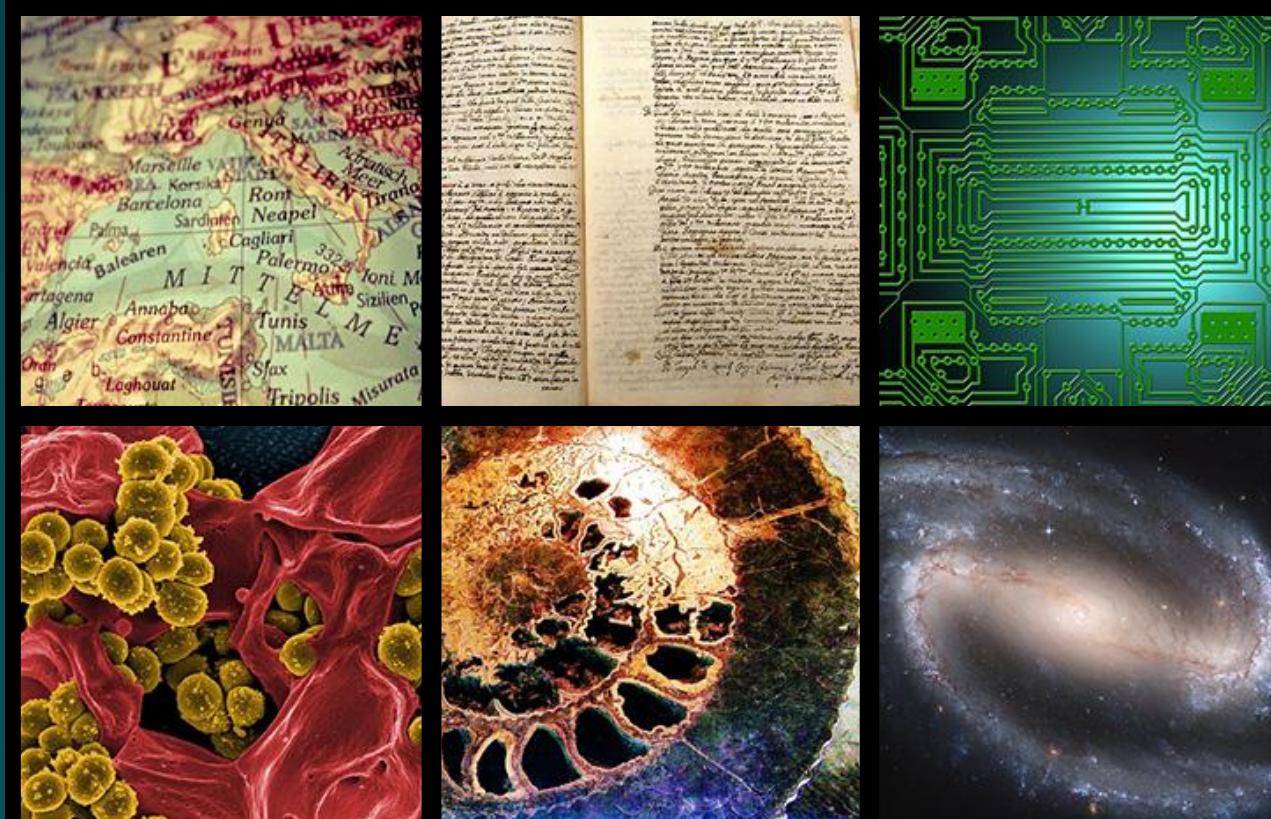
Research lifecycle



Take-home message:

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- If you cannot share the data – at least make metadata available
- When applying for money:
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Take-home message:



OPEN DATA

www.data.cam.ac.uk



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THANK YOU

Enquiries about research data: info@data.cam.ac.uk

Enquiries about Open Access to publications: info@openaccess.cam.ac.uk



Follow us on Twitter: [@CamOpenData](https://twitter.com/CamOpenData)

Resources for working with personal/sensitive data

- **University Ethics website:**
 - www.research-integrity.admin.cam.ac.uk/research-ethics/
 - Dr Rhys Morgan, Research Governance and Integrity Officer:
rhys.morgan@admin.cam.ac.uk
- **MRC guidelines:**
 - <http://www.mrc.ac.uk/documents/pdf/personal-information-in-medical-research/>
- **ESRC consent form, anonymisation guide, and access control:**
 - <http://www.data-archive.ac.uk/create-manage/consent-ethics/consent?index=3>
 - <http://ukdataservice.ac.uk/manage-data/legal-ethical/anonymisation>
 - <http://ukdataservice.ac.uk/manage-data/legal-ethical/access-control>
- **Our website (University resources):**
 - <http://www.data.cam.ac.uk/sensitive-data>