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Open Access Research Data Sharing

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18/02/2016

University of
Cambridge



You will receive these slides



OPEN ACCESS



PUBLICATIONS



DATA



Open Access:
making scholarly
research outputs
freely available to
access online

Photo credit
Nic McPhee



BY

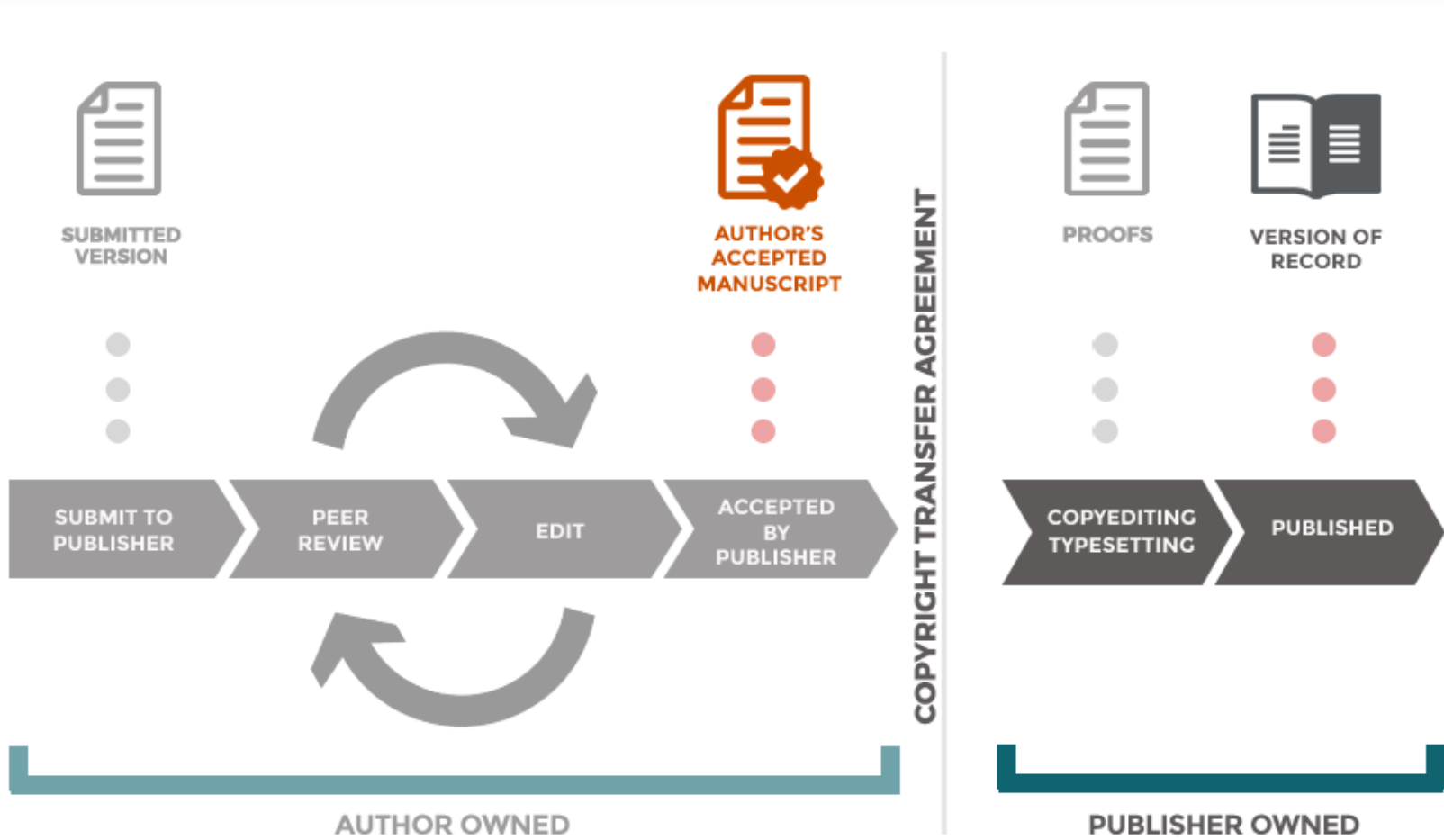
Types of open access

■ Gold open access

- *The version of record is open access at the time of publication. Usually costs money.*

■ Green open access

- *A version of the work, typically the author accepted manuscript (AAM), is made available in an open access repository. No charges are payable. Often has to be embargoed.*



Journals

- **Subscription journals**

- *Only readers with a valid subscription can read these journals. If you don't have a subscription then you can't access their content. May allow you to archive your paper (Green OA).*

- **Fully open access journals**

- *Their content is available to anyone to read immediately from publication (Gold OA). They usually charge a fee to cover their costs (average ~£1800).*

- **Hybrid journals**

- *Available by subscription and may allow you to archive your paper (Green OA), but authors can optionally choose to make their articles open access immediately (Gold OA).*

Funder policies for OA to PUBLICATIONS



The Open Access service aims to meet funder expectations



wellcometrust



CANCER
RESEARCH
UK



HEFCE Open Access Policy

- HEFCE runs the Research Excellence Framework (REF) which administers the block grant funding to universities
- **Green open access policy (max. embargo 12 months)**
- To be eligible for the next REF, authors' accepted version of their journal article or ISSN conference manuscripts must have been deposited in an institutional or subject repository ***within 3 months of being accepted for publication.***

Since at the time of publication researchers won't know which articles will be selected for the next REF, *the only safe course of action is to make them all open access.*

Research Councils UK



- RCUK encourages final published versions to be open access *immediately on publication* but also accepts AAMs deposited in repositories if they have embargoes of **6 months**.
- Where an open access fee is paid the paper must be made available immediately and with a Creative Commons Attribution (CC-BY) licence.

Charities Open Access Fund

- Funded research must be in PubMed Central (PMC) as soon as possible after publication and in any event within **6 months**.
- Where an open access fee is paid the paper must be made available immediately and with a Creative Commons Attribution (CC-BY) licence.

 Arthritis
Research UK

 Bloodwise
Beating blood cancer since 1960

 CANCER
RESEARCH
UK

 breast cancer
now



 PARKINSON'S^{UK}
CHANGE ATTITUDES.
FIND A CURE.
JOIN US.

 wellcome trust

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RCUK and COAF have provided us with block grants to cover eligible open access costs.

We'll give you details of these if they apply to you.

Where an article can be made open access *without* paying a fee to the publisher, this is preferred in the current University policy.



Accepted for publication? Make sure your work can meet REF and other funders' Open Access requirements

[Upload manuscript](#)

What do I need to do?



When your article or conference proceeding is accepted by a journal, **upload it**. Every Cambridge author who is submitting their work in the next REF is affected.

We'll check your funder and journal policies and advise on how to comply with REF and funder requirements.

[Find out more](#)

What's changing?



New HEFCE policy requires peer-reviewed articles and conference proceedings to be available through an institutional repository, when they are accepted for publication, to be eligible for the next REF.

We will continue to advise on other funders' policies and to pay eligible Open Access costs for papers funded by RCUK and the Wellcome Trust.

[Find out more](#)

www.openaccess.cam.ac.uk

info@openaccess.cam.ac.uk

What do I need to do?

Visit www.openaccess.cam.ac.uk and upload your peer-reviewed, accepted manuscript.

We'll take care of the rest!



OPEN ACCESS



PUBLICATIONS



DATA





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...



EPSRC

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 add 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

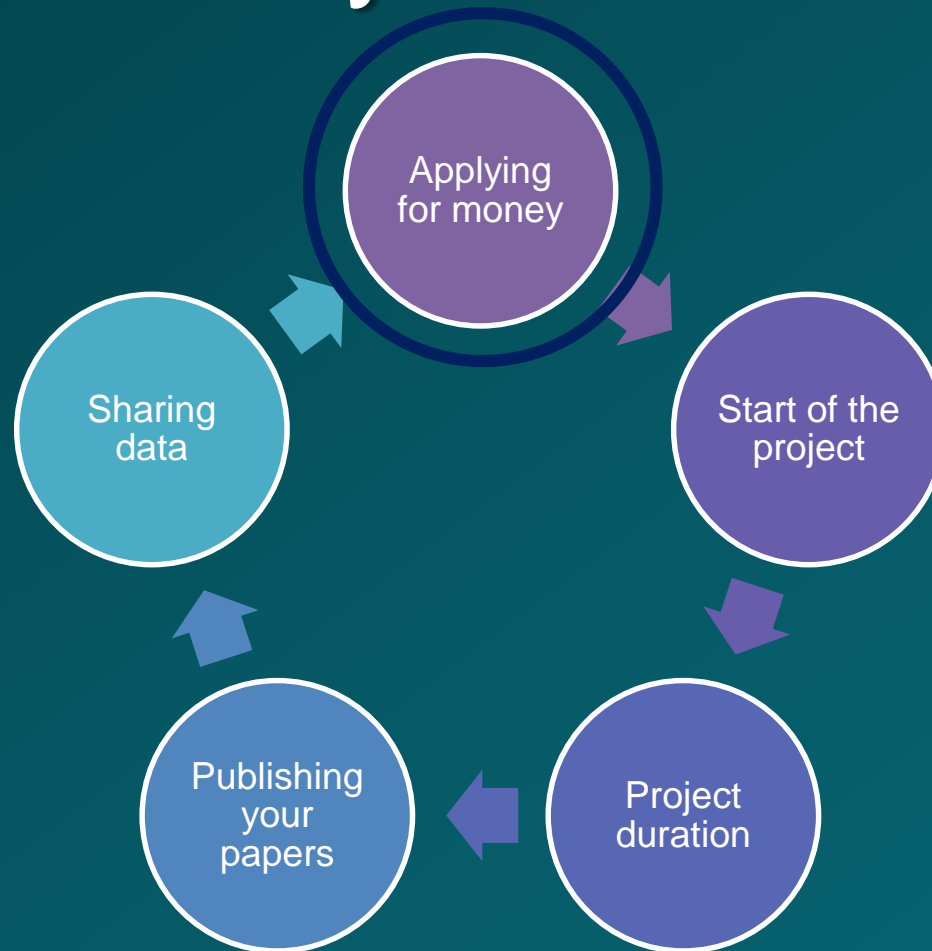
What do I need to do?

- 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

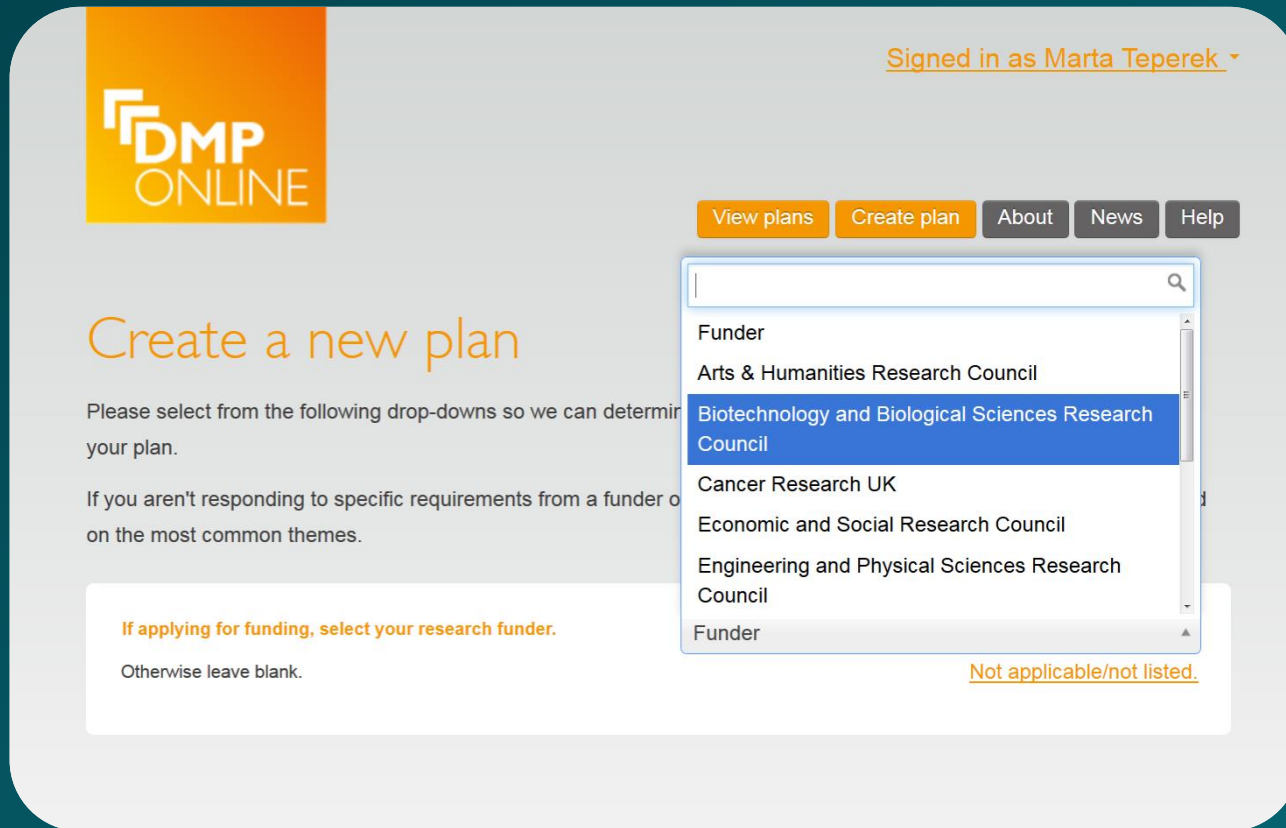
Cambridge support for data management and sharing



Research lifecycle



DATA MANAGEMENT PLAN



Signed in as [Marta Teperek](#) ▾

DMP ONLINE

[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.

[Not applicable/not listed.](#)

- 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

<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 your [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

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



Guidance on data management plans

Funder's name *

Deadline for the submission of the grant proposal *
 

Your name *

Your e-mail address *

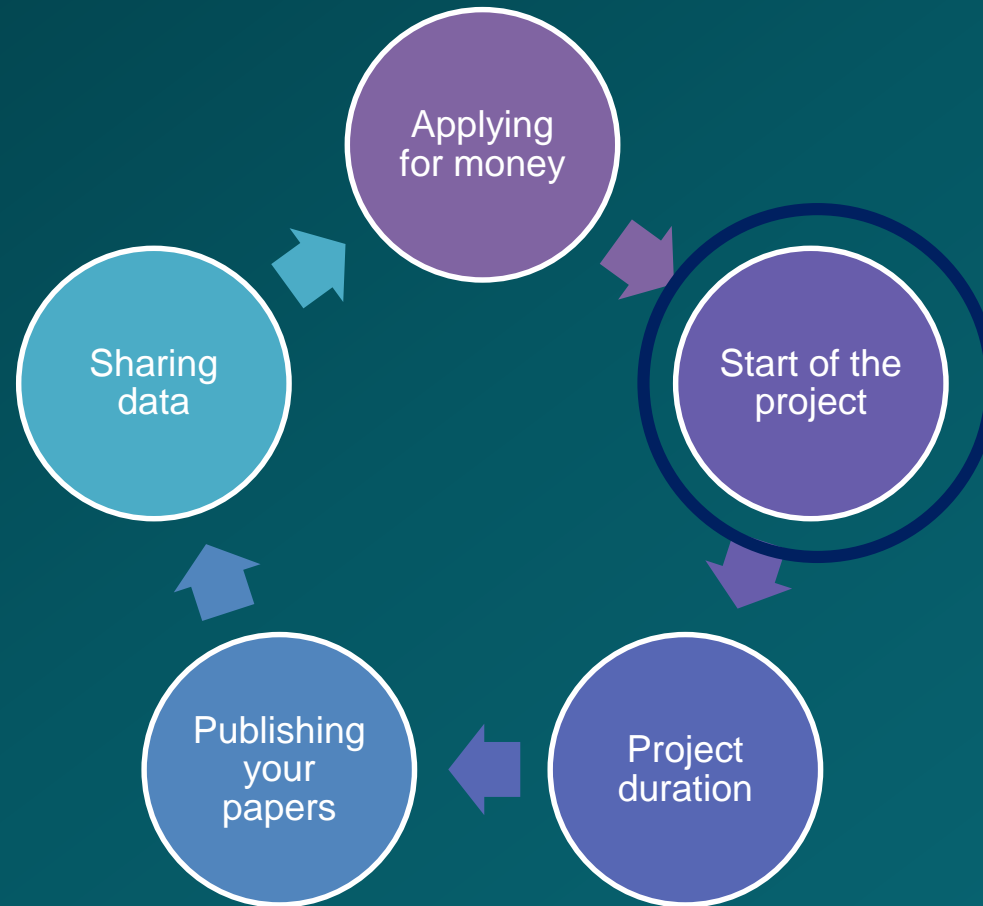
Please enter your e-mail address carefully – we will use it to get in touch with you.

Upload your draft plan *
 No file selected.

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Research lifecycle



Research Data Management

Home

Open Access

Data Management Guide

Support

Data Repository

Research Data Policies

Contact



UPLOAD YOUR DATA

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

www.data.cam.ac.uk

www.data.cam.ac.uk/funders

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
NTH 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

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

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>

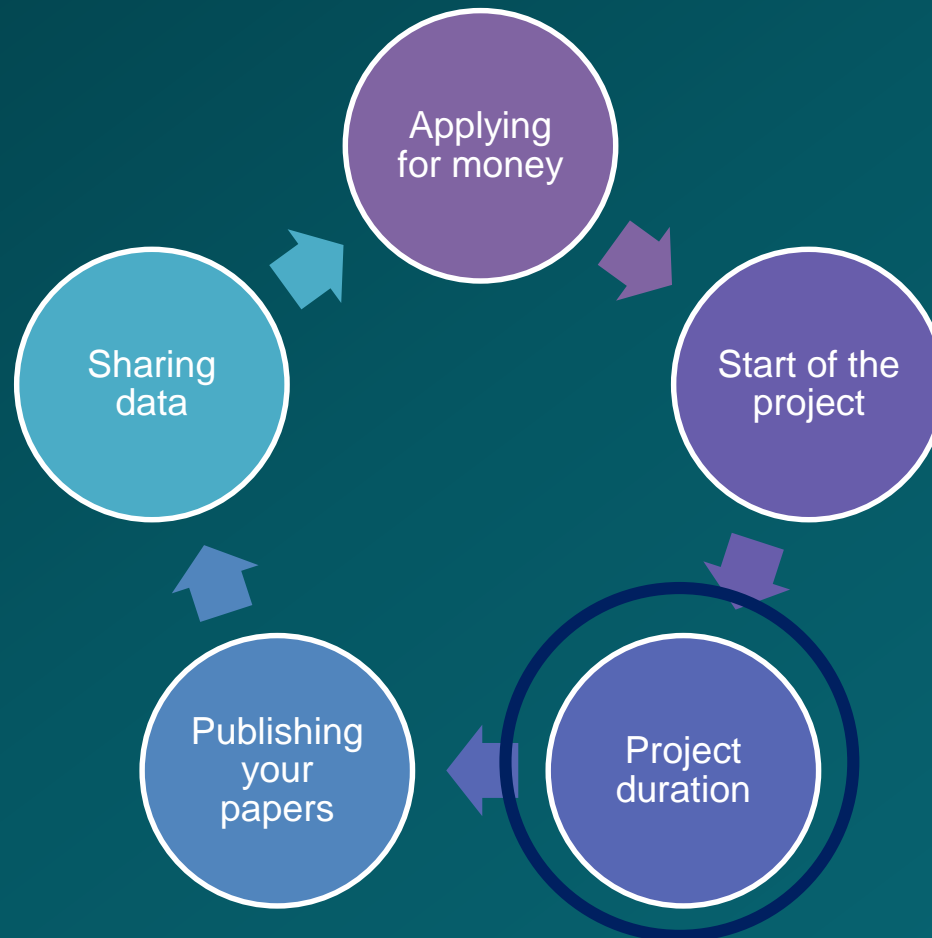
- Wellcome Trust:

<https://unlockingresearch.blog.lib.cam.ac.uk/?p=525>

- Cancer Research UK:

<https://unlockingresearch.blog.lib.cam.ac.uk/?p=528>

Research lifecycle

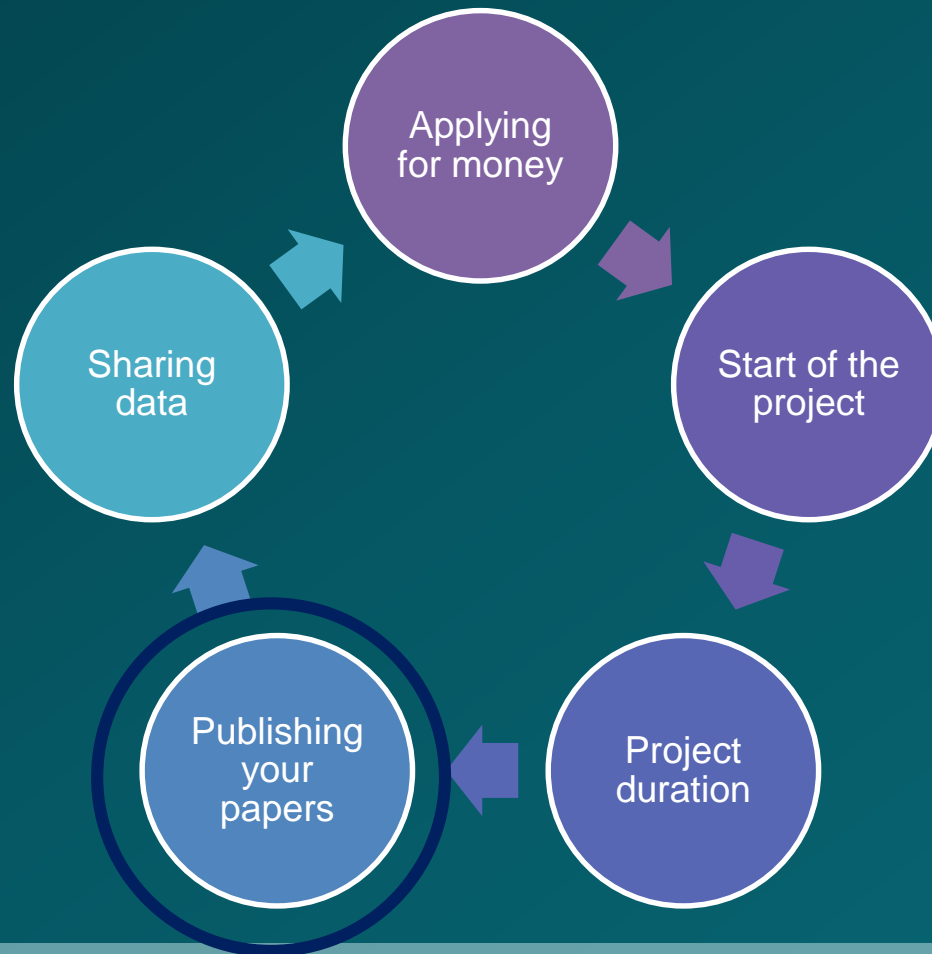


Training and support

24 FEB	Research tools and resources for graduate students Wednesday, 24 February, 2016, 14:00 - 15:30
29 FEB	Research Data Management Workshop Mon 29 Feb 2016, 10:30 - 12:30
29 FEB	Round table discussion about CC BY requirements Monday 29 February, 3.30 - 5.00pm
10 MAR	Equipment and research data sharing information session - Central Cambridge Thursday, March 10, 2016, 2:00 PM - 3:00 PM
14 MAR	Our Digital Future - Multidisciplinary Perspectives on Long Term Data Preservation and Access Monday 14 - Tuesday 15 March 2016
21 MAR	Equipment and research data sharing information session - West Cambridge Monday, March 21, 2016, 12:30 PM - 13:30 PM
07 APR	Equipment and research data sharing information session - Addenbrookes site Thursday, April 7, 2016, 12:30 PM - 13:30 PM
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

www.data.cam.ac.uk/events

Research lifecycle

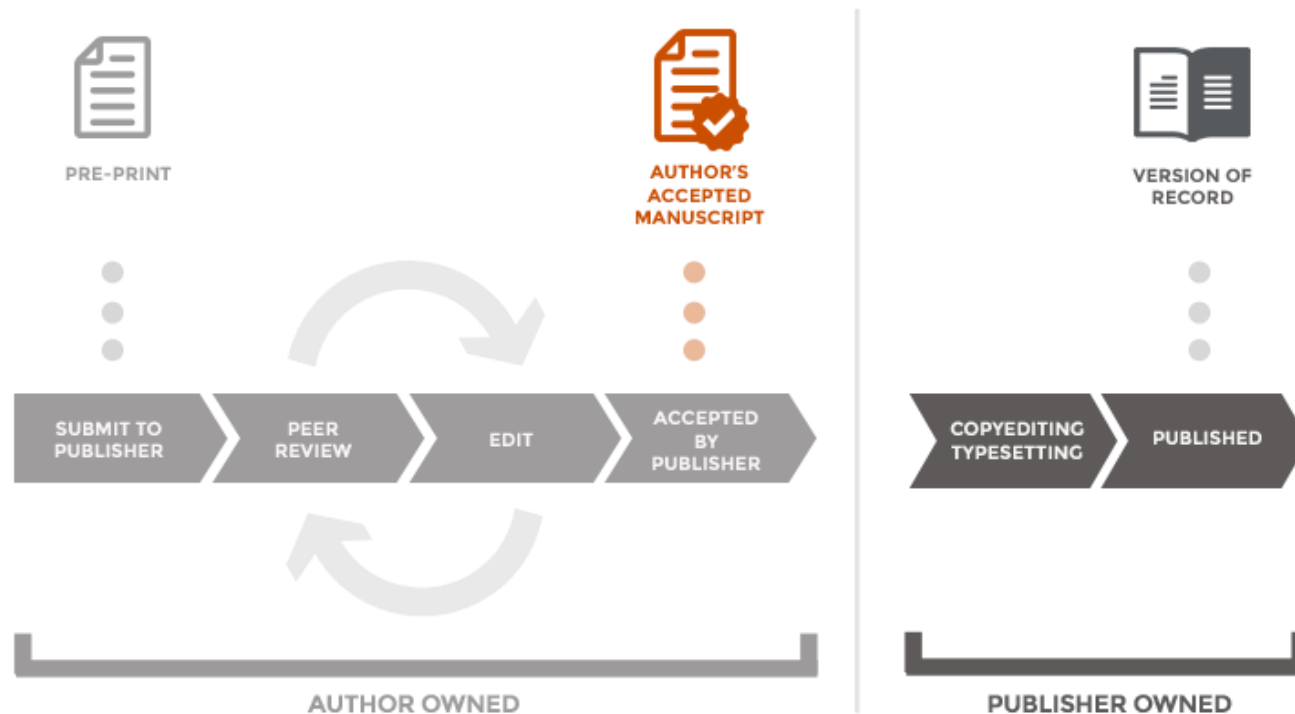


www.openaccess.cam.ac.uk

Accepted for publication?
Make sure your work can meet REF and
other funders' Open Access requirements

[Upload manuscript](#)

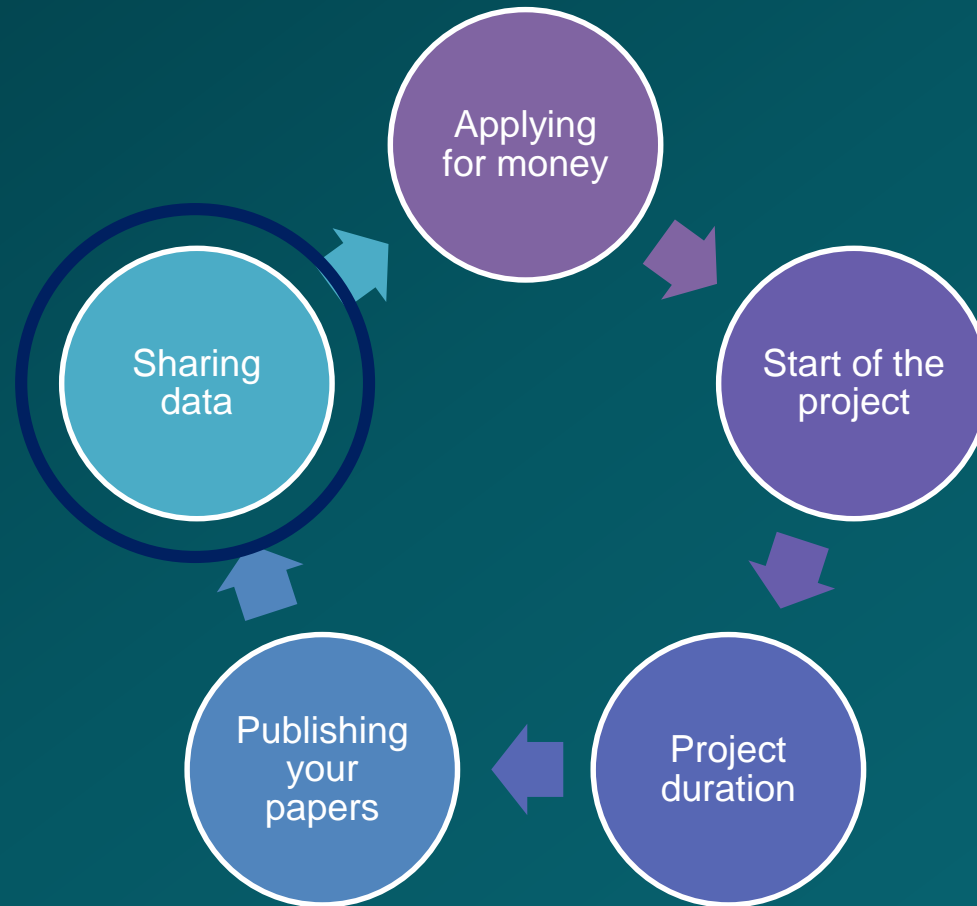
Simply send us your Author-Accepted Manuscript on acceptance or when asked to choose an Open Access option and we'll guide you through what you need to do.



www.openaccess.cam.ac.uk

info@openaccess.cam.ac.uk

Research lifecycle



How to share research data?

Data Repository



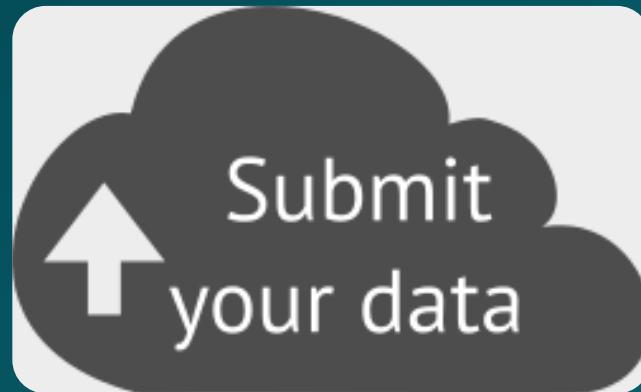
What shall I do to make my data available?

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

Cambridge data repository



www.data.cam.ac.uk/upload



www.data.cam.ac.uk/upload

[Home](#) » [Add content](#)

Create a new data submission o

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](#)

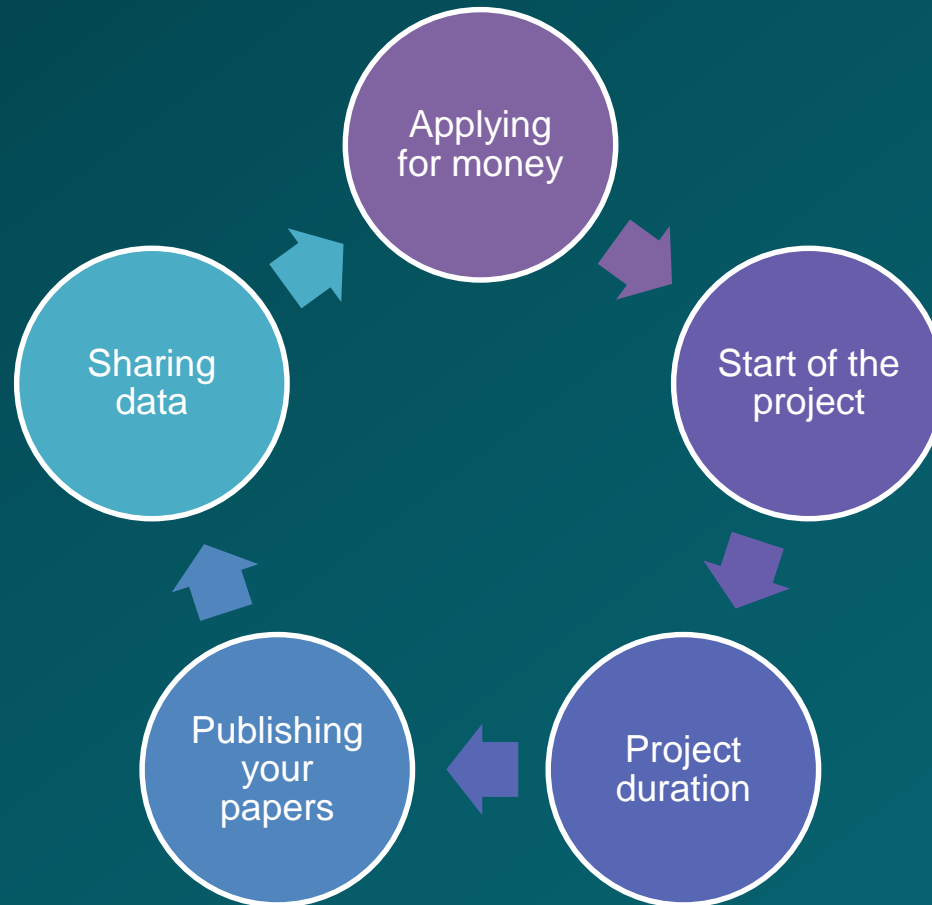
Title *

List all authors of this dataset *

Description of your data *

www.data.cam.ac.uk/upload

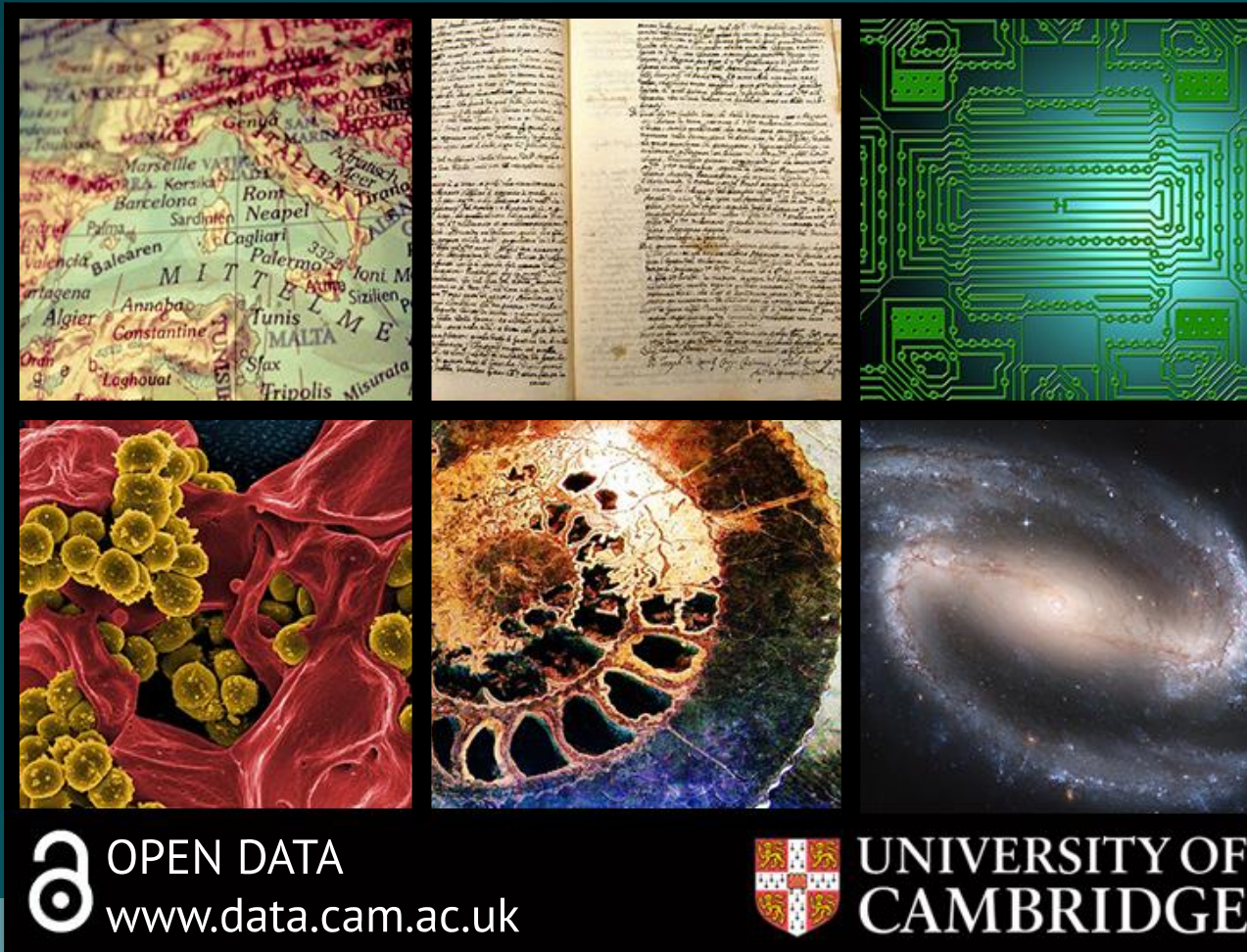
Research lifecycle



Take-home messages:

- 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

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)

[@CamOpenAccess](https://twitter.com/CamOpenAccess)

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>