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OPEN DATA

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Slides:

<http://www.data.cam.ac.uk/files/20150513opendata.pdf>

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

Photo credit
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BY



OPEN ACCESS



PUBLICATIONS



DATA





www.openaccess.cam.ac.uk



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funders' Open Access requirements

Upload manuscript

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Funder policies for OA to DATA



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

RCUK Common Principles on Data Policy

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





DON'T I OWN MY DATA?

Yes, but you have to abide by terms and conditions agreed upon when accepting the grant



WHAT IS RESEARCH DATA?

“...factual material commonly retained by and accepted in the scientific community as necessary to validate research findings...”

EPSRC:

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

Why would I share my data?

- Make it available to people outside your group
- Better management of your own data:
 - *“This person already left, I don’t know where’s their data”*
 - *“I think I’ve done this experiment... the results should be somewhere...”*
 - *“But I didn’t ask my participants for the consent form...”*

TODAY:

- EPSRC
- Other funders
- Funding for Research Data Management
- Our help



Strictest data policy

All publications published on/after 1st May 2015 need a statement describing how to access the underlying research data

EPSRC will do random checks on publications:

- *Is there a statement?*
- *Is data accessible?*

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



How to share data?

- Describe your data (metadata)
- Deposit your data in suitable repositories
- Use DOIs (Digital Object Identifiers)
- Store data for at least 10 years from the last access

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



Exemptions

- Personal/sensitive data
- IP protection/commercial data
- Too expensive to share

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

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

Other funders

- Require Data Management Plans
- MRC: Data Plans should be updated annually
- ESRC and NERC: preferred data repositories
- BBSRC, ESRC, NERC: sanctions for non-compliance

Funding for Research Data Management:

- Can be requested as part of the full economic cost of a research project.
- Can be used to support for example:
 - *staffing*
 - *Physical resources, e.g. storage*
 - e.g. sharing data via Cambridge data repository: £5/GB

What do I need to do?

- For every new publication – share what is shareable & add a statement
- Budget for Research Data Management in your grant applications
- Be aware of help available to you at the University of Cambridge



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University services supporting OA DATA





www.data.cam.ac.uk



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[Study at Cambridge](#)

[About the University](#)

[Research at Cambridge](#)

Quick links

Search



Research Data Management

[Home](#)

[Open Access](#)

[Data Management Guide](#)

[Support](#)

[Data Repository](#)

[Research Data Policies](#)

[Open Data Team](#)

[Events](#)

[FAQ](#)



Welcome to the University of Cambridge Research Data Management Website

Welcome to the University of Cambridge Research Data Management website

Quick Links

[Data about the University](#)

[Open Data lunchtime information sessions - register now](#)

[Research at the University of Cambridge](#)

[Cambridge Big Data](#)

[Research Information at the University of Cambridge](#)

[Cambridge Data Repository \(DSpace\)](#)

[Upload your manuscript](#)

[Open Access Project Board](#)

[For EPSRC-funded researchers](#)

[Open Data from UK Academic Institutions](#)

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FUNDERS' POLICIES

The screenshot shows the University of Cambridge Research Data Management website. The header includes the University of Cambridge logo and navigation links: Study at Cambridge, About the University, Research at Cambridge, Quick links, and a search bar. The main navigation bar contains links for Home, Open Access, Data Management Guide, Support, Data Repository, Research Data Policies, Open Data Team, Events, and FAQ. The 'Research Data Policies' dropdown menu is open, showing options for overview, policy framework, and funders policies. The 'Funders Policies' dropdown menu is also open, showing options for overview, policy framework, and funders policies. The main content area is titled 'Research Data Management' and 'Funders' Policies'. It features a large image of a document with a pen, and a section titled 'Research data policies of major University research funders'. A sidebar on the left contains a list of links, including 'Research Data Management', 'Research Data Policies', 'Funders Policies', and 'University of Cambridge Research Data Management Policy Framework'. A right sidebar contains 'Related links' and 'Events'.

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Study at Cambridge About the University Research at Cambridge Quick links Search

Home / Research Data Policies

Research Data Management

Home Open Access Data Management Guide Support Data Repository Research Data Policies Open Data Team Events FAQ

Funders' Policies

Research Data Policies overview University of Cambridge Research Data Management Policy Framework Funders Policies

Research Data Management Research Data Policies Funders Policies

View Edit Nodequeue

Research data policies of major University research funders

The table below provides a short summary of research data management policies of top

Related links

Search for policies of other funders

Events

- 20 APR Open Data lunchtime session for students - Central Cambridge
- 20 APR Human-Data Interaction
- 28 APR Open Data @Faculty of Mathematics - West Cambridge
- 30 APR Open Data lunchtime session - Central Cambridge
- 01 Open Data morning session -

www.data.cam.ac.uk/funders



FUNDERS' POLICIES

	Councils	available with as few restrictions as possible in a timely and responsible manner (...)."
AHRC	Arts and humanities	AHRC do not have their own data policy, and instead share the RCUK common principles on data sharing
BBSRC	Biotechnology and biological sciences	Adherence to data management plan will be monitored and built into the Final Report score, which may be taken into account for future proposals Research data that supports publications must be stored for 10 years
British Heart Foundation	Medical research	"Safeguards should be in place to respect the confidentiality of patients, while also ensuring that medical researchers can gain access to patient data within a secure environment."
Cancer Research UK	Cancer research	Any applicants who consider that the data arising from their proposal will not be suitable for sharing must provide clear reasons for not making it available
EC (Horizon 2020)	Various disciplines	Running an Open Research Data Pilot, encouraging researchers to share data openly. Zenodo is the recommended repository where discipline-specific and institutional repositories are not available.
ERC	Various disciplines	Research data should be shared. Zenodo is the recommended repository where discipline-specific and institutional repositories are not available.
EPSRC	Engineering and physical sciences	EPSRC has the strictest policy on research data sharing. We have prepared separate, dedicated guidelines to help you achieve compliance with the EPSRC expectations.
ESRC	Economic and social sciences	Research data has to be deposited within three months of the end of the award. ESRC UK Data Service (UKDS) is the approved data repository for ESRC-funded research.

www.data.cam.ac.uk/funders



FUNDERS' POLICIES



SHERPA/JULIET

Research funders' open access policies

Search

Funders' Name or Country keywords:

mrc

[Advanced Search](#)

Search

Clear

<http://www.sherpa.ac.uk/juliet/>

www.data.cam.ac.uk/funders



FUNDERS' POLICIES

Data Archiving Policy



Whether to Archive: * Requires deposition in Open Access archives



What to Archive: * Research data

When to Archive: * Within a reasonable time after completion of the work

Where to Archive: * In appropriate institutional repositories (Optional)
* In appropriate disciplinary repositories (Optional)
* In named repositories... (Optional)
* [UK Data Archive](#) (Optional)

General Conditions: * Effective for all new projects from 01-Jan-2006
* Pre-documented exclusivity periods allowed, on primary and secondary data, in data sharing plans
* Access policies and practises for new and existing MRC funded data collections must be transparent, equitable and practicable
* Must submit data management plan with grant proposal

Policy Links: * [RCUK Common Principles on Data Policy](#)
* [MRC policy on research data-sharing](#)

JULIET information is accurate to the best of our knowledge, but sho

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<http://www.sherpa.ac.uk/juliet/>

www.data.cam.ac.uk/funders



TRAINING AND WORKSHOPS

Research Data Management

- Home
- Open Access
- Data Management Guide
- Support
- Data Repository
- Research Data Policies
- Open Data Team
- Events
- FAQ

Support

Research Data Management

- Support**
 - > Resources and support at Cambridge
 - > External support
 - > Research Data Management Training Request Form
- Open Access**
- Data Management Guide**
- Data Repository**
- Research Data Policies**
- Open Data Team**
- Events**
- FAQ**



Training and support

There is plenty of resources available that will allow you to get a better understanding of various aspects of research data management and data sharing:

- Training and support available at the University of Cambridge**
- External resources**
- Request a training** - personalised training delivered face to face at

Related links

- [Open Data lunchtime information sessions - register now](#)

Events

- 16 APR** Open Data lunchtime session - Central Cambridge
- 17 APR** Open Data @Computer Lab - West Cambridge
- 20 APR** Open Data lunchtime session for students - Central Cambridge
- 20 APR** Human-Data Interaction
- 28 APR** Open Data @Faculty of Mathematics - West

www.data.cam.ac.uk/support



TRAINING AND WORKSHOPS

Request one today

Research Data Management

Support

> Resources and support at Cambridge

> External support

> Research Data Management Training Request Form

Open Access

Data Management Guide

Data Repository

Research Data Policies

Open Data Team

Events

FAQ

Please fill in the form below and we will get back to you as soon as possible to arrange a training session.

Possible days for training *

☐ Monday

☐ Tuesday

☐ Wednesday

☐ Thursday

☐ Friday

Please indicate all possible options

AM or PM? *

☐ AM

☐ PM

Please tick all possible

Tick topics that you would like us to cover *

☐ Data Management Plans

☐ Data Storage and Backup

☐ Data Organisation (file naming, data description)

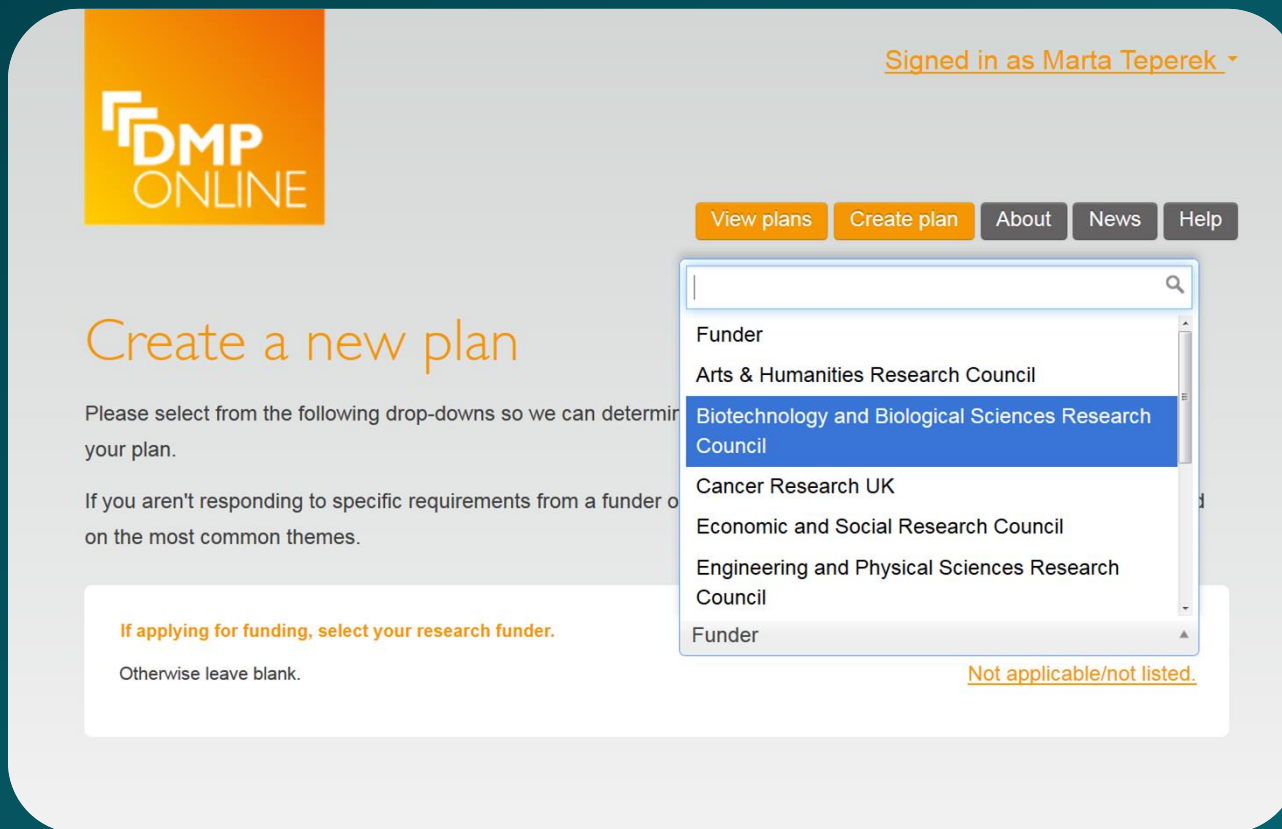
☐ Data Deposition and Sharing

☐ Funder Requirements

Please tick all relevant

www.data.cam.ac.uk/support

DATA MANAGEMENT PLAN



DMP ONLINE

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.

[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

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

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

DATA MANAGEMENT PLAN

My plan (BBSRC Template)

0/8 questions answered
approx. 25% of available space used

Plan details | **BBSRC Data Sharing Plan** | Share | Export

Data areas and data types (1 question, 0 answered) +

Standards and metadata (1 question, 0 answered) -

Outline the standards and methodologies that will be adopted for data collection and management, and why these have been selected

BBSRC Guidance +

B **I** **☰** **☷** **🔗** **📄**

Save

Not answered yet

Relationship to other data (1 question, 0 answered) +

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

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



DATA REPOSITORY

Research Data Management

- Home
- Open Access
- Data Management Guide
- Support
- Data Repository**
- Research Data Policies
- Open Data Team
- Events
- FAQ

Data Repository




Image from Wikieditor243, CCBY-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

Research Data Management

- Data Repository**
 - > Upload your data
- Open Access
- Data Management Guide
- Support
- Research Data Policies
- Open Data Team
- Events
- FAQ

Related links

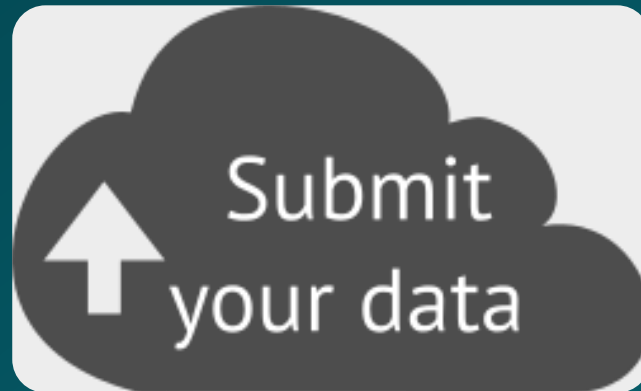
- [University data repository](#)
- [DSpace data deposition policy](#)
- [Upload your data to the University repository](#)
- [Zenodo - general data repository](#)
- [ESRC data repository](#)
- [NERC data repository](#)
- [Funder policies](#)

Events

www.data.cam.ac.uk/repository



DATA REPOSITORY



University of Cambridge data repository

www.data.cam.ac.uk/upload



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, please [contact us](#).

☐ 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



www.data.cam.ac.uk/upload

DSPACE FILE/S

If your file format is currently not accepted, please [contact us](#) and we will enable it for you.

Add a new file *

Drop files here or click *Browse* below.

Browse

Upload

Files must be less than 20 GB.

Allowed file types: bmp c cae cif cpp csv doc docx jpeg opj mp3 mp4 mpeg mpeg4 pdf png ppt pptx rar tif tar tiff txt xls xlsx zip

www.data.cam.ac.uk/upload



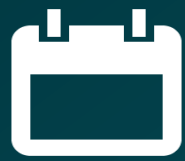
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Final Announcements



Name competition for the University repository

- Win a £25 coffee voucher for Aromi
- E-mail your name proposition to info@data.cam.ac.uk



OPUS tool – keep track of your data

- Free tool created by researchers at the Computer Lab in Cambridge
- Linux users
- Register for a free workshop on 17 June:
<http://bit.ly/OPUSTool>

THANK YOU

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

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

Slides: <http://www.data.cam.ac.uk/files/20150513opendata.pdf>



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

Personal/sensitive data

- Consider data sensitivity before the start of your project (Data Management Plan)
- More information:
 - **Our website (University resources):**
 - <http://www.data.cam.ac.uk/sensitive-data>
 - **University Ethics website:**
 - <http://www.research-integrity.admin.cam.ac.uk/research-ethics/>
 - **MRC guidelines:**
 - <http://www.mrc.ac.uk/documents/pdf/personal-information-in-medical-research/>
 - **ESRC consent form and anonymisation guide:**
 - <http://www.data-archive.ac.uk/create-manage/consent-ethics/consent?index=3>
 - <http://www.esrc.ac.uk/about-esrc/information/framework-for-research-ethics/consent-anonymisation.aspx>