Research Data Management at the University of Edinburgh

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Research Data Management Policy

This policy for managing research data was approved by the University Court on 16 May, 2011.

The University adopts the following policy on Research Data Management. It is acknowledged that this is an aspirational policy, and that implementation will take some years.

1. Research data will be managed to the highest standards throughout the research data lifecycle as part of the University’s commitment to research excellence.

2. Responsibility for research data management through a sound research data management plan during any research project or programme lies primarily with Principal Investigators (PIs).

3. All new research proposals [from date of adoption] must include research data management plans or protocols that explicitly address data capture, management, integrity, confidentiality, retention, sharing and publication.

4. The University will provide training, support, advice and where appropriate guidelines and templates for the research data management and research data management plans.

5. The University will provide mechanisms and services for storage, backup, registration, deposit and retention of research data assets in support of current and future access, during and after completion of research projects.

6. Any data which is retained elsewhere, for example in an international data service or domain repository should be registered with the University.

7. Research data management plans must ensure that research data are available for access and re-use where appropriate and under appropriate safeguards.

8. The legitimate interests of the subjects of research data must be protected.

9. Research data of future historical interest, and all research data that represent records of the University, including data that substantiate research findings, will be offered and assessed for deposit and retention in an appropriate national or international data service or domain repository, or a University repository.

10. Exclusive rights to reuse or publish research data should not be handed over to commercial publishers or agents without retaining the rights to make the data openly available for re-use, unless this is a condition of funding.

http://www.ed.ac.uk/is/research-data-policy
Responsibilities

The University will:

• Ensure Research data are managed to the highest standards throughout the lifecycle as part of the University’s commitment to research excellence.

• Provide training, support, advice, guidelines and templates for research data management and research data management plans.

• Provide mechanisms and services for storage, backup, registration, deposit and retention of research data assets in support of current and future access, during and after completion of research projects.
Responsibilities

Researchers will:

• Ensure research data management through a sound research data management plan during any project or programme.
  – Plans must explicitly address data capture, management, integrity, confidentiality, retention, sharing and publication.
  – Plans must ensure that research data are available for access and re-use where appropriate and under appropriate safeguards.

• Protect the legitimate interests of the subjects of research data

• Not hand over exclusive rights to reuse or publish research data to commercial publishers or agents without retaining the rights to make the data openly available for re-use, unless this is a condition of funding.
Responsibilities

The University and Researchers will:

• Ensure any data which is retained elsewhere, for example in an international data service or domain repository is registered with the University.

• Ensure research data of future historical interest, and all research data that represent records of the University, including data that substantiate research findings, will be offered and assessed for deposit and retention in an appropriate national or international data service or domain repository, or a University repository.
RDM Services and Support

• Data Management Planning
• Data Store
• DataShare
• Data Vault
• Data Asset Register
• Training
• Awareness Raising
• Website
• Other Tools and Services
RDM Programme

• 3 Phases:
  – Phase 0: August 2012 – August 2013: Planning phase, with some pilot activity and early deliverables.
  – Phase 1: September 2013 – May 2014: Initial rollout of primary services.
  – Phase 2: June 2014 – May 2015: Continued rollout; maturation of services.

• Full details of the programme at:
  http://edin.ac/1eE3sav
Data Management Planning

Support and services for planning activities that are performed before research data are collected or created

- Tailored DMP assistance for researchers submitting research proposals
- Customised DMPonline for University of Edinburgh use
Support for DMP

- Academic Support Librarians have received RDM training, including training on writing Data Management Plans,
- ERI staff will be receiving training so they can also provide support at the grant application stage,
- General RDM queries can be sent to the Helpdesk who will direct them as appropriate
- MANTRA also has a module on DMP for self-paced learning
DMPonline

Free and open web-based tool to help researchers write plans

It features:

- Templates based on different requirements
- Tailored guidance (disciplinary, funder etc)
- Customised exports to a variety of formats
- Ability to share DMPs with others

https://dmponline.dcc.ac.uk/
Templates and Guidance

• Edinburgh University Templates and Guidance are still in draft

• Edinburgh University Guidance is provided for those applying to: AHRC, BBSRC, CRUK, ESRC, MRC, NSF, NERC, STFC, & Wellcome Trust

• Edinburgh University Templates are available for Researchers and PGR’s not applying to any of the above

• Specific Guidance is given for those working at the Roslin Institute
Data Store

• The facility to store data that are actively used in current research activities
  • Provision: 1.6PB storage initially
  • 0.5 TB (500GB) per researchers, PGR upwards
  • Up to 250GB of each allocation can be used to create “shared” group storage
Data Store

• Currently being rolled out to early adopters:
  Geosciences; Philosophy, Psychology, & Language Sciences; Population Health Sciences; Biological Sciences; Clinical Neurosciences; and Social & Political Sciences

• All other schools and research centers will follow
DataShare

• Edinburgh DataShare is the University data repository for publishing your research data openly.

• It will help you disseminate your research, get credit for your data collection efforts, and preserve your data for the long-term.

• It backs up the University Research Data Management policy.

• It can help you comply with funder requirements to preserve and share your data
DataShare

What is Edinburgh DataShare?

Edinburgh DataShare is an online digital repository of multi-disciplinary research datasets produced at the University of Edinburgh, hosted by the Data Library in Information Services.

Edinburgh University researchers who have produced research data associated with an existing or forthcoming publication, or which has potential use for other researchers, are invited to upload their dataset for sharing and safekeeping. A persistent identifier and suggested citation will be provided.

Deposit Your Data

- How to deposit

Research Communities in Edinburgh DataShare

Select a community to browse its collections.

- Business School
- Edinburgh College of Art
- Information Services (IS)
- Moray House School of Education
- Royal (Dick) School of Veterinary Studies
- School of Biological Sciences
- School of Biomedical Sciences
- School of Chemistry
- School of Clinical Sciences
- School of Divinity
- School of Economics

http://datashare.is.ed.ac.uk
Data Vault

- Secure Storage
- Long term assurance
- Automatic Versioning

http://datablog.is.ed.ac.uk/2013/12/20/thinking-about-a-data-vault/
Data Asset Register

Data sets can be:
- described in a consistent way
- given a persistent identifier
- given a suitable citation for publications
- deposited in DataShare or Data Vault
- discovered by potential users

http://datablog.is.ed.ac.uk/2013/12/12/thinking-about-research-data-asset-registers/
Training

- MANTRA is an internationally well-regarded self-paced online training course developed here at Edinburgh for PhD students and early career researchers in data management issues.

- Anyone doing a research project will benefit from at least some part of the training (and you can pick and choose)

- Tailored workshops: half-day workshops on specific services tailored for your needs / requirements
MANTRA

http://datalib.edina.ac.uk/mantra
Awareness Raising

- Introductory sessions on RDM services and support for research active and research admin staff in Schools / Institutes / Research Centres
- Contact Cuna Ekmekcioglu at Cuna.Ekmekcioglu@ed.ac.uk for a session for your School/Research Centre
- RDM website: http://www.ed.ac.uk/is/data-management
- RDM blog: http://datablog.is.ed.ac.uk
- RDM wiki: https://www.wiki.ed.ac.uk/display/RDM/Research+Data+Management+Wiki
Website

http://www.ed.ac.uk/is/data-management
Other Tools and Services

• Version control and software project management using Subversion - (https://www.wiki.ed.ac.uk/display/ecdfwiki/VersionControl+Service)

• Central Wiki Service - (http://www.ed.ac.uk/schools-departments/information-services/computing/comms-and-collab/central-wiki)

• Geodoc Metadata Editor – geospatial metadata records - (http://www.gogeo.ac.uk/gogeo/metadata/geodoc.htm)
Progress so far

- **DataShare** – Live Now
- **DMPonline** – Live Now

- Website – Jan 2014
- Data Management Planning Support – Aug 2014
- Data Store – Roll-out completed by Dec 2014
- Training – Ongoing
- Awareness Raising - Ongoing

- Data Asset Register – Dec 2014
- Data Vault – Dec 2014
Any questions?

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