DSpace for Data Revisited

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Context

- EDINA and Data Library (EDL) together are a division within Information Services (IS) of the University of Edinburgh.
- EDINA is a jisc-funded National Data Centre providing national online resources for education and research.
- The Data Library service (established in 1983) assists
 Edinburgh University users in the discovery, access, use and management of research data assets.

Background



- DISC-UK DataShare Project funded by JISC (Mar. 07 Mar. 09) - a collaborative project exploring new pathways to assist researchers wishing to share data via institutional repositories
- Edinburgh Datashare is an online institutional repository of multi-disciplinary research datasets produced at the University of Edinburgh, hosted by the Data Library
- Researchers producing research data associated with a publication, or which has potential use for other researchers, can upload their dataset for sharing and safekeeping.

Scope

Available for University of Edinburgh researchers & their collaborators primarily for research projects without a domain repository

No limits in terms of subject matter or data types

An IS service since 2010 - RDM Programme funding for development is allowing enhancements

DataShare Supports University of Edinburgh RDM Policy (clause 5)

Promoted as part of RDM programme, one of a range of RDM Services being developed for University of Edinburgh researchers

Metadata and Discoverability

DataShare is a customised DSpace instance with a selection of DCMI metadata fields for discovery of datasets through Google and other search engines via OAI-PMH.

Records are harvested by Data Citation Index

Citation field automatically generated based on specified metadata values

Persistent identifier (Handle) on dataset landing page

Conforms to DataCite minimum fields (DOIs soon)

Discovery metadata only; documentation files required to allow re-use (part of manual QA check)

Policies

- No mandate for deposit
- Open data or embargo
- Self-deposit model: KISS workflow
 - Guidance, such as checklist for deposit, user guide with screenshots
 - Meetings to discuss data welcome; assisted deposit where warranted
- Basic quality assurance checks by staff (documentation exists, file formats, file integrity)
- Open Data Commons Attribution licence by default; open metadata
- Preservation policy; depositor agreement; service level definition



Contact Us Login

Information Services

Edinburgh DataShare



Search Edinburgh DataShare

Go

Advanced Search

Browse

Edinburgh DataShare

Research Communities Date Issued Data Creators

Titles Subjects

My Account

Register

RSS Feeds

- RSS 1.0
- RSS 2.0
- Atom:

What is Edinburgh Data Share?

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.

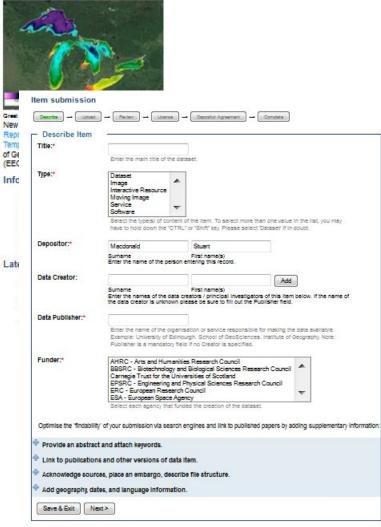
- · Business School
- . Edinburgh College of Art
- . Edinburgh Law School
- Information Services (IS)
- . Moray House School of Education
- . Royal (Dick) School of Veterinary Studies
- · School of Blological Sciences
- · School of Blomedical Sciences
- School of Chemistry
- · School of Clinical Sciences
- School of Divinity · School of Economics
- · School of Engineering
- School of Geo Sciences
- · School of Health In Social Science
- . School of History, Classics and Archaeology
- · School of Informatics
- · School of Literatures, Languages and Cultures
- . School of Mathematics
- School of Molecular, Genetic and Population Health Sciences
- School of Philosophy, Psychology, and Language Sciences
- · School of Physics and Astronomy
- School of Social and Political Science

Search

Enter some text in the box below to search Edinburgh DataShare.



Spotlight



Entries marked with a " are mandatory

Edinburgh Datashare: Enhancements

Case-studies based on 3 piloted research groups (Roslin Institute, Clinical Psychology, School of Philosophy, Psychology and Language Sciences) were used to capture user requirements

- Sept. 2013 Streamlined usability and deposit workflow e.g. collapsible non-required metadata fields, clear and simple licence information, streamlining initial self-deposit questions
- Nov. 2013 Load balancing between 2 remote sites (with automatic failover)
- Dspace upgrade to v. 3.2
- Developmental server established behind University authentication – for depositors to test repository functionality

- Feb. 2014 SWORD (Push) utilising SWORD API for batch deposit of large and/or many files from remote computers
- June 2014 Internal batch ingest of many/large files (Pull)
 - currently 2.1GB limit via the web interface
 - Use of checksums to determine that delivered object mirrors deposited object
- July 2014 Upgrade to DSpace 4.1
- Request Copy Button for user to request hidden item direct from depositor.
 - Data Vault planned for this. Eventual plan that this becomes functionality within the DAR.

September 2014 - End-user interface improvements

- Streaming multi-media files (files too big to play in browsers) – dependent upon browser choice, plug-ins loaded, network speed
- Display multimedia gallery for images Datashare want's to learn from the Dspace community about how to handle this material
- Faceted browsing by community and collection
- Usability and user testing.

Future

- Pursuing Data Seal of Approval as part of RDM Roadmap
- Joining DataCite via British Library: will offer DOIs shortly
- Research data deposit from RSpace electronic notebook interface into DataShare
- Working with F1000Research to define a workflow to alert depositors to opportunities to get credit for data as research output
 - Published new list of data journals for our depositors

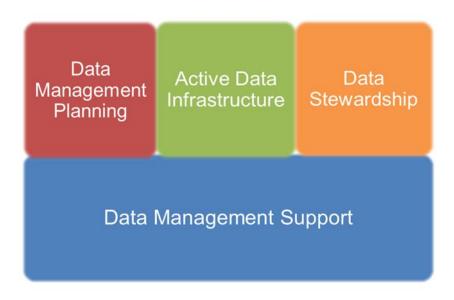
University of Edinburgh RDM Programme

- University of Edinburgh is one of the first Universities in UK who adopted an RDM Policy :
 http://www.ed.ac.uk/is/research-data-policy
- The policy was approved by the University Court on 16 May 2011.
- It's acknowledged that this is an aspirational policy and that implementation will take some years
- DataShare Supports University of Edinburgh RDM Policy (clause 5)
- Promoted as part of RDM programme, one of a range of RDM Services being developed for University of Edinburgh researchers

Services already in place:

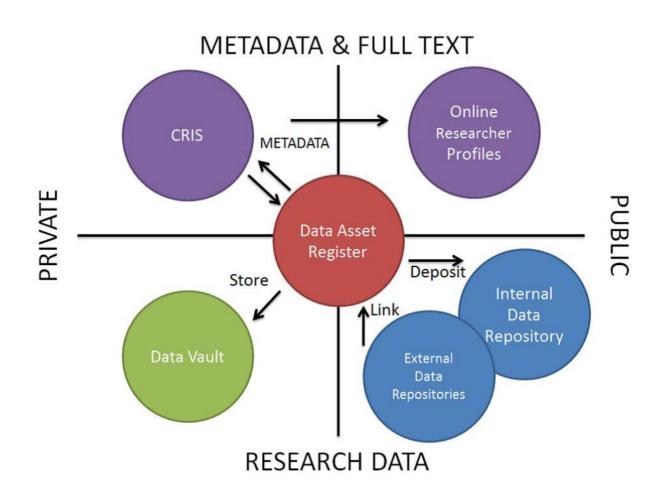
- Data management planning
- Active working file space = DataStore
- Data publication repository= DataShare
- Services in development:
 - Long term data archive = DataVault
 - Data Asset Register (DAR)
- RDM support:
 Awareness raising,
 training & consultancy

RDM Roadmap



http://edin.ac/1u3sKqy

DataShare & related Univ. of Edinburgh RDM services



Thanks!

Links:

- Data Library services: http://www.ed.ac.uk/is/data-library
- EDINA: http://edina.ac.uk/
- Edinburgh DataShare: http://datashare.is.ed.ac.uk/
- Edinburgh University data policy: http://www.ed.ac.uk/is/research-data-policy
- Research Data MANTRA: http://datalib.edina.ac.uk/mantra

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