

HEIDS Research Data Management Seminar: 22 April, 2013



THE UNIVERSITY *of* EDINBURGH

University data repository:
Edinburgh DataShare

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Overview

- How does the University RDM policy relate to the data repository?
- What is Edinburgh DataShare?
- Current use and functionality
- Planned development
- How does the data repository relate to other local and national systems?



The data repository and University RDM policy

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



The data repository and University RDM policy

“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.”



The data repository and University RDM policy

“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.”



What is Edinburgh DataShare?

Edinburgh DataShare is a free-at-point-of-use data repository service which allows University researchers to upload, share, and license their data resources for online discovery and re-use by others.



What is Edinburgh DataShare?

- The service was built as an output of the DISC-UK DataShare project, which explored pathways for academics to share their research data over the Internet at the Universities of Edinburgh, Oxford and Southampton (2007-2009, Jisc Repositories and Preservation Programme).



Current use and functionality

- Very selective so far: open data enthusiasts and those chosen to seed or test the repository
- 62 data items: under 100 GB
- Consistent outreach repeatedly delayed
- Recently adopted as a key service by the University RDM Steering Committee
- Pilot activity currently ongoing



Current use and functionality

- Based on DSpace open source software
 - Communities, collections, data items, files
 - Metadata subset from Dublin Core Metadata Initiative (DCMI) “dcterms” vocabulary, RDF-compliant – applicable to datasets
 - Persistent identifier (handle) assigned
 - Suggested citation provided; viewable download statistics
 - Single-sign on with EASE
 - Embargo option – delayed publication



Current use and functionality

- Quality controls
 - New users can register with EASE login but are given permission to add to a collection
 - Data Library staff or collection administrator approves each item before publication
 - Dataset / data item must include documentation as well as data files
 - Metadata field to point to related publication (“is referenced by”)



Current use and functionality – example collections

- **Scottish History:** <http://hdl.handle.net/10283/45>
- **ATSR Reprocessing for Climate: Lake Surface Water Temperature & Ice Cover (ARC-Lake):** <http://hdl.handle.net/10283/88>
- **Edinburgh Clinical Trials Unit:** <http://hdl.handle.net/10283/23>
- **A Collection of Dinka Songs:** <http://hdl.handle.net/10283/155>



Planned development

- Better documentation and guidance
- Metadata enhancements
- Usability improvements for depositors
- Better use of faceted search & browse
- Curation tasks / preservation procedures
- SWORD / batch ingest
- Data visualisation / display
- User registration??



How does/will the data repository relate to local, national, international systems?

Local

- Data Library catalogue
- Data Asset Registry
- PURE
- Data store
- data vault



How does/will the data repository relate to local, national, international systems?

National

- Jisc/DCC proposed national data asset registry
- UK Data Archive, NERC data centres
- Research funders' output databases
- Network of repositories (OpenDOAR, ROAR)
- Jisc MRD programme



How does/will the data repository relate to local, national, international systems?

International

- Google Scholar
- Thomson Reuters Data Citation Index
- Databib.org
- Re3data.org
- DateCite, OpenAIRE
- Research Data Alliance



URLs

- Edinburgh DataShare:
<http://datashare.is.ed.ac.uk/>
- About Edinburgh DataShare:
<http://www.ed.ac.uk/schools-departments/information-services/services/research-support/data-library/data-repository/about-datashare>



Questions?



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EDINA and Data Library,
Information Services