



RESEARCH DATA@ESSEX

RESEARCH DATA MANAGEMENT TEAM
UK DATA ARCHIVE, REO and ISS
UNIVERSITY OF ESSEX

ESSEX RESEARCH DATA MANAGERS' FORUM
COLCHESTER, 13 DECEMBER 2011





PROJECT AIMS

- JISC funded under the Managing Research Data Programme call, 2011
- Will pilot a research data management infrastructure for the University of Essex
- Builds on the UK Data Archive's existing user support and capacity building work with JISC and ESRC on managing and sharing data
- Aim to get EPrints developer in-house to help support Essex's own repository work

INSTITUTIONAL DATA POLICY

- A number of University-wide Data Management Policies have come into force this year: Edinburgh, Oxford, Hertfordshire, Northampton....many more to follow
- Arisen in response to pressures:
 - **Research funders** seeking to add value
 - **Publishers** responding to demand
 - **Public** wanting access to publicly funded data
- Recent adoption of the Code of Practice for Research (UK Research Integrity Office, 2009) by some Universities, obligating institutions to provide support for retention and access to data underlying published research.
- Momentum gathering...as Research Councils step up the requirements
- Requires policy, guidance, advocacy, training and support

SEEKING WIN + WIN + WIN + WIN + WIN...

Where do I safely keep my data from my fieldwork, as I travel home?

How can I best keep years worth of research data secure and accessible for when I and others need to re-use it?

How do we ensure we have access to our research data after some of the team have left?

How do we ensure compliance to funders' requirement for several years of open access to data?

How can our research collaborations share data, and make them available once complete?

PhD student

individual researcher

research team

university

supra-university

LEVEL

EDINBURGH TEN POINT POLICY

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 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. Any **data which is retained elsewhere**, for example in an international data service or domain repository should be registered with the University.
6. Research data management plans must ensure that **research data are available for access and re-use where appropriate** and under appropriate safeguards.
7. The legitimate interests of the **subjects of research** data must be **protected**.
8. 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.
9. 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.

PILOTING WITH ESSEX DEPARTMENTS

- Working on the ground to find out how departments are managing their research data
- Identifying both challenges and solutions that can be confronted and shared amongst other departments
- May identify gaps, needs and weaknesses that the University can help with, e.g. long-term storage
- Can help support data management planning and meeting funders' requirements – e.g. RC grants



TRIALING A TEST-BED REPOSITORY

- An out-of-the box solution/market leader in repository ware – Eprints—widely used
- Could be used to hold research ‘assets’ where there is nowhere else to put data, e.g. when a journal requires a dataset to accompany an article, or when required to share by a grant (e.g. ESRC)
- To serve those who want to publicise their own data as valid academic outputs
- To hold ‘orphaned’ data which are valuable but have no home when the researchers have finished with them

BUILDING DM SUPPORT INFRASTRUCTURE

- Sharing implications of policy changes (Research Council, university, legal)
- Help desk – what should be centralised, what devolved?
- Training – for researchers, for other trainers
- Data Managers' Forum – advisory network model?
- Need input from all to define business case for a sustainable DM infrastructure



THE DATA ARCHIVE'S WORK IN THIS AREA

- The UK Data Archive has over forty years experience in selecting, ingesting, curating and providing access to social science data
- We have lots of experience of supporting researchers and data creators of social science data
- We support data sharing for the ESRC Data Policy (since 1995). We wrote the questions and guidance..!
- Our best practice approaches to making data shareable are based on:
 - challenges faced by researchers to share data
 - handling others' social science data – quantitative and qualitative
- Highly skilled staff comprising researchers, technical and information specialists

RESOURCES AVAILABLE

- **Managing and Sharing Data: best practice for researchers**, the most recent version published in May 2011 (ESC and JISC grant)
- **Managing and Sharing Data** web portal and guidance for ESRC applicants
- **Managing and Sharing Data: Training Resources** pack – flexible training materials for people who train or support researchers and research support staff in how to look after research data (ESRC grant)
- **Costing Data Management Guidance**
- **Data Management Strategies for Centres and Departments**



BREAKING IT DOWN...A MODULAR APPROACH

- Sharing data - why and how
- Data management planning for researchers and research centres
- Documenting data
- Formatting data
- Storing data, including data security, data transfer, encryption, and file sharing
- Ethics and consent
- Data copyright

<http://www.data-archive.ac.uk/create-manage/>

INTRODUCTIONS & QUESTIONS..and some drinks!

- Louise Corti - UK Data Archive
- Libby Bishop - UK Data Archive
- Tom Ensom - UK Data Archive
- Alexis Wolton - ISS
- Sarah Manning–Press - REO
- Sara Stock - Academic Section
- Bret Giddings - ISS



OUR DATA MANAGEMENT SERVICES



UK Data Archive Research Data Management Support Services

datasharing@data-archive.ac.uk



Economic and Social Data Services

<http://www.esds.ac.uk/aandp/create>

Economic and Social Data Service



RELU-Data Support service

relu.data-archive.ac.uk



ESRC Research Development Initiative Training Programme

<http://www.data-archive.ac.uk/create-manage/projects/rdi-dm>



JISC Data Management Planning project

<http://www.data-archive.ac.uk/create-manage/projects/jisc-dmp>



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