

# Research Data & Institutions Roles & Responsibilities?

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A centre of expertise in digital information management



***Lots*** of reports about data...

***Some*** funder data policies...

***Few (if any)*** university research data policies...

***“Variable”*** data management...

# April 2011 - EPSRC Letter to VCs

**EPSRC**

Pioneering research  
and skills

Engineering and Physical Sciences Research Council

- EPSRC expects all those institutions it funds
- to develop a **roadmap** that aligns their policies and processes with EPSRC's **expectations** by **1<sup>st</sup> May 2012**;
  - to be fully compliant with these **expectations** by **1<sup>st</sup> May 2015**.

- Awareness of regulatory environment
- Data access statement
- Data policies and processes
- Data storage
- Structured metadata descriptions
- DOIs for data
- Data securely preserved for a minimum of 10 years

# Big implications for UK universities.....impacts on

- researchers (who need help)
- policy makers (gaps)
- support services (skills)
- £££s (unknown)

Open science needs  
*managed* research data.

Research data management  
is a *shared* responsibility.

1. Director IS/CIO/University Librarian
2. Data librarians /data scientist /liaison/subject/faculty librarians
3. Repository managers
4. IT/Computing Services
5. Research Support/Innovation Office
6. Doctoral Training Centres
7. PVC Research

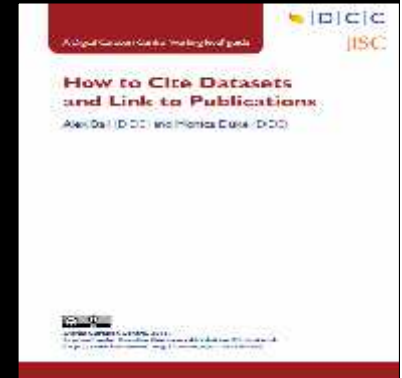
# Data roles

*Liz Lyon, Informatics Transform, IJDC Current Issue, 2012*

Role	Responsibilities	Requirements	Relationships
Director Information Services / CIO / University Librarian	To lead and co-ordinate data informatics support	Appropriate LIS structure in place  Library staff with data informatics & research data management skills  Institutional repository with content links to underlying research data	PVC Research, Deans, Associate Deans, Faculty/Subject Librarians of Research, IT Director, Doctoral Research Support  Other key institutional stakeholders  Open Access Publishers
Data Librarian / Data Scientist / Liaison / Subject / Faculty Librarian	To deliver expert data informatics advice and guidance to research staff  To facilitate access to datasets for PhD researchers, postgraduates and undergraduate students	Knowledge of data management, planning and data analysis and assessment tools  Knowledge of solution and appraisal, metadata standards and creation, data formats, research ontologies, identifiers, data citation, data licensing  Knowledge of appropriate disciplinary data centres,	DTCs, postgrads, PhD  Researchers  Data centre staff

# Data policy, advocacy, tools, training

- ***Data management plans***: tools
- ***Informatics***: disciplinary metadata schema, standards, formats, identifiers, ontologies
- ***Storage***: file-store, repositories, cloud, data centres
- ***Access***: embargoes, FOI



**DIMP** *online*  
The  DCC Data Management Planning Tool

**JISC**

because good research needs good data



# *Are universities in the Member States ready for open science?*

- Leadership?
- Data policies?
- Data support services?
- Data repositories?
- Data management tools?
- Staff with data informatics skills?

# Thank you

Informatics Transform article

*<http://www.ijdc.net/index.php/ijdc/issue/current>*

Slides

*<http://www.ukoln.ac.uk/ukoln/staff/e.j.lyon/presentations.html>*

*DCC <http://www.dcc.ac.uk>*

