Creating an RDM Service

ADMIRe JISC MRD Project

Dr Tom Parsons, Project Manager, January 2012
Work strands:

1. Project Management & Evaluation
2. Policies & strategies
3. RDM requirements & analysis
4. RDM Service Infrastructure Strand
5. RDM Technical Infrastructure Strand
6. Business Case & Sustainability
Policies & strategies:

• RDM policy – high-level & generic in approval…
• Other data policies referenced
• Repositories development strategy
• Research Conduct & Ethics policy?
RDM requirements & analysis:

• Researcher and technical requirements and analysis:
  – Faculty use cases (Sero Consulting)
  – Requirements catalogue (145 requirements)
  – Strategy document & roadmap

• RDM survey and analysis
  – 360 responses
  – Analysis complete
Types of data & location

- Wide variety of types & locations
- Majority digital, but physical data important
Data storage

Metadata – 60% ‘No’, 24% ‘Yes’ & 16% ‘Don’t know’
Research funding:

- 71% externally funded, 29% internal
Data Management Plans

- More career researchers have written DMPs (likely to be PIs)
- High likelihood that data sharing is required for most
RDM Service Infrastructure Strand:

- **RDM awareness workshops:**
  - LRLR, IT Support & RGS/Grad School (planned)
  - RGS – Research ethics/governance
  - LRLR tailored workshops

- **RDM material:**
  - Website, flyer, presentations, email address
  - External events

- **RDM training:**
  - Online Moodle (MANTRA)
  - CPD course (critical…)
RDM Service Infrastructure Strand:

• RDM roles & skills:
  – Activities & skills breakdown
  – DCC engagement to build capacity
  – RDM landscape assessment (UK HEIs)
  – Role profiles (critical!)

• Pilots:
  – DAF for sensitive data (CHS)
  – Drop-in sessions planned (February-June)
  – MANTRA PG pilot (Feb-March)
  – DMPs – supporting researchers
RDM Technical Infrastructure Strand:

• Archiving & publishing data:
  – Metadata schema
  – Proof of concept
  – 4 x pilots (Wellcome Trust)

• UoN ‘Research Data Service’:
  – Expected to start January 2013
Business case & sustainability

• Business case:
  – Other HEIs (Bristol, Edinburgh)
  – Groundwork underway (skills, capacity, resourcing & staff)

• Sustainability:
  – Project handover (June 2013)
  – Responsibility & ownership?
Questions?
RDM Survey results

- All career researchers, Grad School, IT, Libraries & RGS
- 366 responses

Number of responses per Faculty

- Arts: 47
- Engineering: 97
- Medicine and Health Sciences: 122
- Science: 35
- Social Sciences: 65

Number of responses by type of researcher

- PhD researcher: 73
- Research Fellow: 47
- Career Researcher: 53
- Post-doctoral researcher: 141
- Lecturer/Researcher: 15
- Other: 37
Backup

- Non-standardised
Access to data

People who can access the research data created:
- Only myself: 28%
- Researchers who helped create it: 6%
- Others in the research group/department: 7%
- Others within UoN: 5%
- Others in the discipline/field: 4%
- Funders: 4%
- Publishers: 4%
- General public: 4%
- Other: 18%

Percentage of researchers who need to make the data publicly accessible at the end of their project:
- Yes: 22%
- No: 52%
- I don't know: 26%
Barriers to sharing data:

- Significant differences & high proportion of sensitive data
How to share data

Percentage of researchers who would deposit their data in a public subject/disciplinary repository

- Yes I am required to do so: 3%
- Yes I choose to do so: 10%
- No: 41%
- Not sure: 46%

Percentage of researchers who would deposit their data in an institutional repository if available

- Yes: 53%
- No: 20%
- Not sure: 27%
Training & support requirements

Areas requested for data management training:
- Developing research data management plan: 17%
- Documenting data: 8%
- Formatting data: 11%
- Storing data: 8%
- Sharing data: 8%
- Creating metadata for data: 5%
- Ethics and consent: 7%
- Funders requirements and research data management: 10%
- Copyright and IPR: 8%
- Data repositories and Open Access: 4%
- None: 5%
- Other: 1%

Areas where help is required:
- Greater data storage capacity: 17%
- A UoN repository to publish data: 14%
- Data management support when writing a research proposal: 9%
- A Research Data Management website for guidance and support: 14%
- Support regarding sensitive data: 12%
- Support to publish data to external subject repositories: 18%
- Help with analysing data: 16%
- Help to make better use of final data sets (e.g., create website to showcase data): 8%
- No help required: 2%
- Other: 7%