Introduction to Research at Risk and Shared Services

Jisc RDM Shared Service Workshop

November 2015
Delivering shared services for research data
Realising a robust and sustainable research data management infrastructure and services to enrich UK research.

**Challenge**
There is currently an inefficient and fragmented approach to research data management throughout the UK. This leads to underperformance and cost inefficiencies across universities. There is a real risk to universities in failing to comply with government and funder requirements.

**Who it affects**
- Researchers need to comply with government and funder requirements
- IT directors need to store and manage research data
- Librarians need to ensure other researchers can access the data

**Why it matters**
- Ability to attract and retain researchers
- Reputations of universities can be affected by mismanagement of research data
- Support better research collaboration (internationally)
- Comply with requirements of research funders

**Success criteria**
- Cost effective national brokered infrastructure as a service
- Research outputs discoverable and reusable
- Fewer impediments to doing research
- Research Data Management is business as usual

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**Jisc audience**
Which members of Jisc’s audience will be most interested?
- VCs
- Chairs
- College Principals
- Finance Directors
- Librarians
- IT Directors

**Timescale**
How long until we can expect to see the benefits?
Quick wins, requirements and plan

**Commitment**
Who in the steering group pledged to commit two days of their time?

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**Strategic framework**
How does the challenge fit with Jisc’s strategic framework?

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“...This must be sorted and pulled together. Jisc can offer leadership here.”
John Sherratt - Director of ICT, Imperial College, RUGIT
Compliance

- EPSRC Mandate - HEI's need established infrastructure and processes to ensure:
  - Retained EPSRC-funded research data is preserved for a minimum of ten years
  - Effective data curation is provided throughout full data lifecycle
  - Knowledge is provided about their publicly-funded research data holdings
  - Discoverability; recording of third party access requests
  - Notice and justification of access restrictions, for example ‘commercially confidential’
  - Awareness and use of relevant law, for example FOI
  - Awareness and compliance with research data policies
  - Adequate RDM resource allocation for example from quality-related research (QR) funding or research grants
  - [https://www.jisc.ac.uk/guides/meeting-the-requirements-of-the-EPSRC-research-data-policy](https://www.jisc.ac.uk/guides/meeting-the-requirements-of-the-EPSRC-research-data-policy)

Its hard to do so, why look after data?
• Needed to prove research is valid
• Need it to be able to replicate research

https://en.wikipedia.org/wiki/Data_sharing
Opportunities – data curation

https://en.wikipedia.org/wiki/Collections_management_%28museum%29
Opportunities – more innovative research

The launch of 100 floating sensors into the Sacramento River for the Floating Sensor Network project.

https://en.wikipedia.org/wiki/Center_for_Information_Technology_Research_in_the_Interest_of_Society
Research at Risk projects
Shared services in active RDM & storage

To determine the need and scope of a shared service, underpinned by a clear RDM architecture. To then procure the development & delivery of a shared service for RDM.

- **End Goals**: HEIs can meet funder mandates easily and have a cost effective solution.

Shared services in the preservation & curation gap

To work with institutions to determine the need and scope of shared solutions to meeting research data needs for curation and preservation.

- **End Goals**: Shared service to meet preservation needs so HEIs have trusted long-term access to data.

Research Data Management Shared Service

- **End Goals**: RDM shared service that enables easy implementation of a solution for RDM in UK HEIs
UK Research Data Discovery Service

To develop a shared service to make research data easier to discover and re-use - this aims to be a shared national catalogue of research data

- **Website:** http://bit.ly/1Isckh
- **End Goals:** A shared service for research data to enhance re-use and impact of data; possibly part of the RDM shared service

Journal Research Data Policies Registry

To develop best practice on journal policies between publishers & other stakeholders. To make it easy for researchers to know how to follow policies and for journals to create RD policies

- **Website:** http://bit.ly/1Ks8jh
- **End Goals:** A shared service with easy access to journal research data policies and common related standards

Usage Statistics for Research Data

To increase understanding of metrics & usage for RD, to develop a usage statistics service to enable UK HEIs to count data use, to contribute to incentives for sharing research data & to contribute to determining the point of use

- **Blog:** http://tinyurl.com/qcxfaao
- **End Goals:** A shared research data usage statistic service & common related standards
To bring together key actors in the research data management arena to develop innovations for improving workflows, interoperability and new shared tools and services.

- **Website**: http://bit.ly/1LCrmEG
- **End Goals**: A range of interoperability issues improved, shared advice & in some cases tools for all HEIs.
**Advice and Guidance**

**DIRECTIONS FOR RDM in UK Universities**

A shared state of play and set of directions in consultation and collaboration with key stakeholders, in particular ARMA, SCONUL, RLUK, RUGIT and UCISA.

- **Outputs:** Workshop, [http://bit.ly/1T4XG5i](http://bit.ly/1T4XG5i)
- **End Goals:** A plan for the way ahead & a baseline for progress

**Business Case and Costing for RDM**

An agreed set of guidance for the case for RDM and costing information to support the business case in HEIs for research data management.

- **Outputs:** Guide on meeting the EPSRC research data policy & case studies [http://bit.ly/1Jtpfko](http://bit.ly/1Jtpfko)
- **End Goals:** Defined value of RDM, business case template and costing tool for HEIs

**Guidance on meeting Research Funder requirements**

Clear guidance on how to meet funder policies & engagement with Research Data Concordat Group on funder policy harmonisation and implementation.

- **Outputs:** Guide on meeting the EPSRC research data policy & case studies [http://bit.ly/1Jtpfko](http://bit.ly/1Jtpfko)
- **End Goals:** Funder policies are easier to meet.

**High priority** ✋ | **Medium priority** ✋ | **Low priority** ✋ | **Completed** ✋
What institutions told us they’d like
What would you like Jisc to Provide?

• “A national data repository”
• “Clarification of issues across requirements of multiple funders that at times seem contradictory…”
• “Working with research funders on data storage requirements, for them to provide suitable discipline specific data storage and preservation…”
• “Currently the UK is running a very inefficient model requiring individual institutions to establish their own repositories. Influencing future central/research council provision would be useful”
• “If not able to provide e.g. data repositories, influence funder or sector/community provision to support the needs of that funder/community.”
• “Data access and user tracking tools and statistics on shared archive services”
Thank you!
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