Research data shared service

More information on the project described in this poster is available in the Research Data blog at https://researchdata.jiscinvolve.org/wp

The Research Data Shared Service will develop a beta service that can be taken up by institutions to enable researchers to easily deposit data for publication, discovery, safe storage, long term archiving and preservation. The service will support researchers in sharing and re-using data and will enable increased reproducibility of research. The service will allow institutions to meet their policy requirements around managing research data, whilst exploiting efficiencies and best practice generated by working collectively.

Jisc will work with pilot institutions and suppliers to:

- Produce a new system that can be offered as a managed service, relieving burden from institutional IT and procurement staff
- Collectively develop improved interoperability between the service systems and existing institutional and external systems
- Procure research data management (RDM) services and consultancy to support pilot institutions’ RDM requirements and implementation

We will focus on creating an intuitive user experience, providing ease of use for researchers and interoperability between institutional and external research systems.

**Research data shared service goals**

- Research data policy compliance, such as meeting the Engineering and Physical Sciences mandate
- Increased sector efficiencies such as shared procurement, shared use of systems, data re-use opportunities and interoperability opportunities
- Improving the rigour of research through making data available to reproduce research
- Addressing market gaps. Provide a full integrated and robust research data management system, addressing the digital preservation gap identified by most universities, enhancing user experience and usability
- Accelerating Research Data Management in institutions
- Providing a digital object repository that can ingest data and link research outputs. Therefore supporting institutions meet Open Access and Research excellence framework requirements

**Supporting activities**

- **Technical architect**
  - To provide expert technical advice to the project and on the technical architecture of the service

- **Data asset framework/Preservation audit**
  - To provide the consultation phase for stakeholders in the project through surveys and focus groups with researchers and support staff

- **Metadata and interoperability**
  - The creation of a discipline neutral metadata schema, tested against researcher use cases through focus groups

- **Business case support (Market research, costing and modelling)**
  - To gather current costs as a baseline and evaluate information on the demand for service models

**Supplier framework**

- **Lot 1 - Research data repository suppliers** (Four suppliers)
- **Lot 2 - Repository interfaces suppliers** (Six suppliers)
- **Lot 3 - Research data exchange interface suppliers** (Three suppliers)
- **Lot 4 - Research information and administration systems integrations suppliers** (One supplier)
- **Lot 5 - Research data preservation platforms suppliers** (Two suppliers)
- **Lot 6 - Research data preservation tools development suppliers** (Two suppliers)
- **Lot 7 - Research data reporting suppliers** (Two suppliers)
- **Lot 8 - User experience enhancements suppliers** (Four suppliers)

**Pilots**

- Imperial College London
- University of York
- University of St Andrews
- Lincoln University
- St Georges
- University of Cambridge
- University of Surrey

**Project timeline**

- **Q3 2016** High level architecture approval
- **Q4 2016** Alpha development commences
- **Q2 2017** Beta development commences
- **Q3 2017** Beta development completes
- **Q4 2017** Business case submitted and decision for production service made

**Integration hub**

- Cloud data storage
- Large and sensitive data deposit tools
- CRS, Grants
- Local Jisc shared data centres
- Archival data storage
- Authorisation
- Cloud data storage
- Local Jisc shared data centres
- Archival data storage

- **CRS, Grants**
  - **HR, Finance**
  - **Publications repositories**
  - **Data management plans**
  - **Authorisation**
  - **Identification**
  - **Aggregators**
  - **Metrics**
  - **Funders**