1. Introduction to Jisc
2. UK landscape and Research Context
3. Action areas
4. Challenges and Issues
5. Related work
Jisc offers **digital services** for **UK education** and **research**. The charity does this to achieve its **vision** for the **UK** to be the **most digitally advanced** education and research nation in the **world**.

[Jisc.ac.uk](https://jisc.ac.uk)
What our customers get from Jisc

Digital content

Network & IT services

Advice

Research & development
Comparing landscape by the numbers

In the UK there are...

- 162 Higher Education Institutions
- 391 Further Education Colleges

In the 2011/12 academic year there were...

- 2.49m learners in HE
- 3.0m learners in FE

The gender split was...

- 44% male
- 56% female

Income of HEIs 2010/11: £27.9bn
Expenditure of HEIs 2010/11: £26.7bn

Statistics from Universities UK, HESA and other sources
The UK research context: General

» Many institutions and research institutes (within and outside universities)

» Many research funders (UK Research Councils only 30% of total research income *13 other priority funders mentioned)

» Varied infrastructure – Institutional Repositories, CRIS’s, one of these or neither

» Changing environment
  › Mandates effecting research information and research data
  › Increasing importance of external (non-governmental) funding
  › Interdisciplinary and international focus
The UK research context: policies and mandates

- Research excellence Framework (REF) from the four university funding bodies - **research impact** (preparation for 2020 - awaiting guidance)

- **REF open access policy** - to be eligible authors accepted manuscripts must be deposited in IR’s (journal material)

- Research Councils UK (RCUK)- 7 subject based research councils: Open Access policy the **RCUK Policy on Open Access** aims to achieve “immediate, unrestricted, online access to peer reviewed and published research papers, free of any access charge”

- To help implementation -new funding policy block grant to Universities to cover cost of **Article Processing charges (APC’s)**

- **EPSRC Research Data Mandate** – universities set in place processes and practices to ensure curation and preservation of research data (create roadmap for compliance and act on it)
Shared Services and Infrastructure
UK research context: systems and services

› Not a shared national reporting infrastructure

› Funders & agencies
  – JeS (Research Proposals submission); Research Fish (research outcomes system used by 74 funders including RCUK); Grants on the Web; GTR; REF; HESA.

› Universities
  – 60 using CRIS/Cerif; repositories used by many, 125 HEIs with an IR – some switch over; some various spreadsheets..
The glue:
Shared infrastructure for Repository Shared Services helping with OA and RIM supported by Jisc and others
UK research context: systems and services

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The UK RIM landscape

Internal data flows within the university

Reporting on research projects

Grant applications

Research Fish

Research Councils

ROS

JeS

Repository

CRIS

University

Finance

Researcher
The UK RIM landscape

Third Parties

Bibliographic databases

Identifiers

G4HE

Repository

University

Finance

CRIS

Researcher

Research Fish

ROS

GtR

Research Councils

JeS

Internal systems
Add value to existing services
  - G4 HE tools to support research benchmarking and collaboration based on GTR

Make use of Universities own Research information
  - CRIS Aggregation ??

Develop national system?

- UKKRISS (reported on viability, influenced RC metadata set)
  - [http://repository.jisc.ac.uk/5586/1/2014-08-01_UKRISS_Final_Report.pdf](http://repository.jisc.ac.uk/5586/1/2014-08-01_UKRISS_Final_Report.pdf)
Support universities core business and help make research process more productive

- Developing shared services/infrastructure where appropriate
- Supporting implementation of key standards
- Providing a channel for universities requirements with funders, vendors etc.
- Getting everyone together
Standards
» Supporting adoption and implementation of key standards
» Jisc- Casrai UK pilot
» Orcid
» Frameworks - CERIF, euroCRIS, UKRISS
UK CASRAI national network pilot

- to set up and run three working groups on priority topics identified at the UK CASRAI summit in December 2012; to support discussions in other areas (e.g. equipment profiles and research ethics) if required.

- Set up a National Review Circle which includes a wider group of people that are interested in the progress of CASRAI UK and who will provide advice and feedback on working group outputs;

- Other objectives include exploring how the CASRAI governance arrangements could work in a UK context beyond the pilot and an evaluation of the pilot.
Jisc and CASRAI are piloting three National Working Groups in the UK

1. Data Management Plans
2. Organisational Id’s
3. Open Access - Research Reporting
Developing an **initial data profile** reflecting the current version of the Digital Curation Centre’s “DMP-Online” tool.

Using this to feed into an inform the UK Research Councils.

Developing use cases to prove viability of profile
Identify main candidate sources of Org ID’s

Subject them to common use cases which are relevant to universities and other parts of the RIM and RDM workflow

The main output will be common statement about how the UK research community should use org ids and the policy requirement in order for harmonised org ids to work.

Develop a sustainable process for maintaining authoritative lists of organisations in the CASRAI dictionary.
Development of data profile supporting institutional report to UK funders for the new policy on Open Access and research contributions and outputs more generally
What is Orcid?

ORCID provides an open registry of persistent unique identifiers for researchers and to automate linkages to research objects such as publications, datasets, other IDs, grants, and patents.

Orcid is also a not for profit organisation based in the US with small team of developers and other staff. A wide range of organisations participate in the management of Orcid including universities, research funders, publishers and publisher organisations like Cross Ref.

Jisc aims to streamline ORCID implementation process at universities develop the best value approach for a potential UK wide adoption of ORCID in HE

Also contribute to ensuring Orcid gets as much traction as possible

This involves working with relevant funders and agencies, vendors, and Jisc’s customers to make that happen
Researcher Identifiers – ORCID in the UK

» **January 2013**
Joint statement in support of ORCID (ARMA, HEFCE, HESA, RCUK, UCISA, Wellcome Trust, Jisc); joint implementation plan
http://www.jisc.ac.uk/whatwedo/programmes/di_researchmanagement/researchinformation/orcid.aspx

» **September 2013**
Jisc report: use cases and views on the future of ORCID in UK Higher Education
UK Research Councils have agreed to capture a valid ORCID Identifier, where one exists, for all researchers supported by Research Council funding.

HESA (Higher Education Statistics Agency) has specified and will include ORCID identifiers as an optional field in its Staff and Student Record for the 2014/15 cycle.

Wellcome Trust have integrated ORCiD identifiers into our online grant application and reporting systems so they can easily link researchers to their works and speed up grant applications.

- ORCID has over 80 members from the research and scholarly community including major funders, universities and publishers.
- Over 900,000 researchers signed up globally.
- 33,000 ORCID records with a UK affiliation.
- 26,600 ORCID records linked to a ac.uk primary email address.

Orcid uptake so far:

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Jisc-ARMA ORCID pilot project

8 HEI based example ORCID implementations and workflows

+ engagement with HEIs and organisations implementing or planning to implement ORCID iDs

+ engagement with vendors

3 workshops, technical support

case study reports, advice & guidance, business case, recommendations on national ORCID membership
Cultural and People issues
Listening and acting

» (Synthesising earlier work)

» Understanding the landscape and collecting requirements

» “Which crocodiles are closest to your canoe?”
  › Research reporting to funders systems (bulk upload)
  › Compliance with REF open access policy (monitoring and auditing that)
  › Research impact and how it is recorded in CRIS’s

» Networking people in the RIM workflow
  › RIM consultation group – 50 members
  › Will meet again January 2015
  › Universities, suppliers, funders, strategic agencies
  › Share information, identify and solve problems
Challenges

» Many “customers” with different needs
» Complex landscape of systems and services
» Inertia: decisions made about systems are difficult to reverse
» What glue to provide?
» When to act - develop a new and radical solution?
» Standards - implementation and sustainability
» Focus and Context – local, subject, regional, national, european, international?
» Keep talking
» There is probably a win-win
» Be imaginative about data and information
» Be brave and robust where there is a clear way ahead
» Take control of your own information
» Provide it in such a way that you and others can analyse, visualise and build services on top
» That will create a healthy RIM eco-system
Three thematic areas and major work programmes

And finally…

Scholarly Communications
Research Data Management
Research Information Management
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