Repositories: the international, UK and Welsh picture

Neil Jacobs
Open Access research papers
Open Access research papers: the international / UK picture

arXiv

UK PubMedCentral

NORA

ESRC Society Today

3 institutional repositories

76 institutional repositories

Depot

OpenDOAR ROAR Intute Search Romeo RSP Sherpa
The national picture

- arXiv
- PubMedCentral
- NORA
- ESRC Society Today

- OpenDOAR
- ROAR
- Intute Search
- Romeo
- RSP
- Sherpa

3 institutional repositories

76 institutional repositories

Depot
Open Access research papers: the Welsh picture

- arXiv
- UK PubMedCentral
- NORA
- ESRC Society Today

0 institutional repositories

10 institutional repositories

Depot

Welsh Repositories Network

- OpenDOAR
- ROAR
- Intute Search
- Romeo
- RSP
- Sherpa
Open Access research papers: What is this trying to achieve?

Increasing the return on investment for research

Research Communication Costs in Australia: Emerging Opportunities and Benefits
Open Access research papers: What is this trying to achieve?

Enabling new kinds of research

The Neurocommons

Open source knowledge management

The Neurocommons project is creating an Open Source knowledge management platform for biological research. The first phase, a pilot project to organize and structure knowledge by applying text mining and natural language processing to open biomedical abstracts, was released to alpha testers in February 2007. The second phase is the development of a data analysis software system. The software will be released by Science Commons under the BSD Open Source License. These two elements together represent a viable open source platform based on open content and open Web standards.

We are launching this effort in neuroscience — thus calling it the Neurocommons — to create network effects within a single therapeutic area and to leverage the connections we have developed with neuroscience disease funders through our MTA.
Open Access research papers: Why isn’t it happening faster?

Because the cost/benefit equation is not sufficiently positive for most researchers to make most of their papers open access.
Open Access research papers: Minimising the costs

- Reducing the data entry
  - Improving (preferably eliminating) ‘deposit’…

- Reducing the legal worries
  - SherpaRoMEO API
  - Licence to Publish
Open Access research papers: Maximising the benefits

- Making the data work harder
  - Integrating REF systems, research management, repositories, HESA returns
  - Text and data mining to extract latent information

- Building the web graph of research
  - Linking data, papers, reports, people
  - Links based on (co) citations, (co) downloads, co-authorship, etc
The aim of EThOS is, through a collaborative approach:

- To offer a ‘single point of access’ where researchers the world over can access ALL Doctoral theses produced by UK Higher Education
- To support HEIs through the transition from print to e-theses
- To help UK HEIs expand available content by digitising paper theses
- To demonstrate the quality of UK research and help attract students and research investment into UK HE
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1. Digitise paper theses

2. Support institutions move to electronic theses
The EThOS offer to HE

- Only theses which are asked for by a researcher are digitised
- Variety of participation options for institutions
- A copy of the digitised thesis is returned to the institution’s repository.
- EThOS protects the author by asking for registration, login and acceptance of terms and conditions before supply.
- Electronic theses preserved by the BL (though NLW will also)
- Savings on costs of theses (producing, borrowing and handling theses, eg shelf space)
- Suite of resources available for e-theses creation (model end user and deposit licences, etc)
- Creation of standards to ensure maximum interoperability (metadata, procedures, technical, etc)
- Statistical data (eg: most frequently requested materials by subject, by HEI, by date) to help predict future demands and target efforts
- Support for the principle of Open Access and increased use of publicly-funded research
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- EThOS protects the author by asking for registration, login and acceptance of terms and conditions before supply.
- Electronic theses preserved by JISC (though NLW will also).
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Sign up!!
EThOS in the UK

Networked Digital Library of Theses and Dissertations, OCLC, etc

DART-Europe Portal

DiVA

DissOnline

EThOS @ BL

harvest

digitise

UK Institutional Repositories

UK Institutional Libraries
EThOS in Wales

Networked Digital Library of Theses and Dissertations, OCLC, etc

DART-Europe Portal

DiVA

DissOnline

EThOS @ BL

National Library of Wales

Repository Bridge

Welsh Institutional Repositories

Welsh Institutional Libraries

Google

harvest

digitise

question mark
**Project:** Influence of improved fallows on soil phosphorus

**Code:** HP - XX

**Steward:** R. Gathai, KARI

**Location:** Moiroyo, Western Kenya

9 farms surveyed

**Design:** Split plot (main plot = species, subplot = Nitrogen)

**Harvest area (plot) =** 3.5 m² to 20.25 m²

**Date of collection:** 5/14/91

**Data collected:** EJP

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<th>Number of plots</th>
<th>Cob fresh weight (kg)</th>
<th>Stover fresh weight (kg)</th>
<th>Cob subsample fresh weight (g)</th>
<th>Stover subsample dry weight (g)</th>
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Slide from Martin Lewis
Data curation /2

Reference collections

Community collections

Research collections

CCDC  NERC  UKDA

CERN  EBI  UKDA
Some current activities

- Digital Curation Centre
- “Keeping Research Data Safe”
- UK Research Data Service feasibility study (reports Dec 08)
- Data Audit Framework (launched Sept 08)
- ShareGeo (pilot live)
there will be a variety of models working simultaneously, and the challenge will be to ensure that this patchwork sufficiently covers the needs of the sector:

- centralised services
- shared services
- federations of institutional repositories
- commercial outsourcing
- …
Sharing eLearning Materials

- http://ie-repository.jisc.ac.uk/46/

Still in early stages:
- Cultural: attitudes, Web2.0
- Legal: trust, perceptions, tools
- Organisational: incentives
- Technical: metadata, access management
- Pedagogic: instructional approaches as context

*Ongoing project to collate evidence for the business case (Nov 08)*
Sharing eLearning Materials

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Still in early stages:
- Cultural: attitudes, Web2.0
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JISC and Welsh institutions

- JISC’s role is to support:
  - Sharing experience and expertise
  - Experimentation, innovation, etc – enabling the sector to take risks that no single institution would take
  - Tools, services, advice and guidance, etc that can be tailored to suit the local institutional culture

- I’m mainly here to listen…

- <n.jacobs@jisc.ac.uk>