Towards a mature, multipurpose repository for the institution...

Chris Awre, Simon Lamb, Richard Green Open Repositories 2012, Session RF6



A vision

"I believe that a mature and fully realized institutional repository will contain works of faculty and students - both research and teaching materials – and also documentation of the activities of the institution itself in the form of records of events and performance and of the ongoing intellectual life of the institution. It will also house experimental and observational data captured by members of the institution that support their scholarly activities."

Cliff Lvnch

"Institutional Repositories: Essential Infrastructure for Scholarship in the Digital Age" ARL, no. 226 (February 2003): 1-7.

http://www.arl.org/resources/pubs/br/br226/br226ir.shtml



A vision (as interpreted by Hull)

"I believe that a mature and fully realized institutional repository will contain works of faculty and students - both research and teaching materials – and also documentation of the activities of the institution itself in the form of records of events and performance and of the ongoing intellectual life of the institution. It will also house experimental and observational data captured by members of the institution that support their scholarly activities."

Cliff Lvnch

"Institutional Repositories: Essential Infrastructure for Scholarship in the Digital Age" ARL, no. 226 (February 2003): 1-7.

http://www.arl.org/resources/pubs/br/br226/br226ir.shtml

An institutional repository

One institution = one repository?

- Repositories are infrastructure
 - Maintaining infrastructure requires resource, which we need to minimise to justify costs in the long-term
- Content doesn't sit in silos
 - One repository facilitates cross-fertilisation of use
- Integration with one system
 - Embedding the repository means linking to one place



Five principles

- > A repository should be content agnostic
- > A repository should be (open) standards-based
- > A repository should be scalable
- > A repository should understand how pieces of content relate to each other
- > A repository should be manageable with limited resource



Five principles (leading to our implementation)

- Fedora is content agnostic
- Fedora is (open) standards-based
- Fedora is scalable
- > Fedora understands how pieces of content relate to each other
- > Fedora is manageable with limited resource
 - With help from the community





Work of faculty and students

Faculty

Students

- Disseminate research outputs / learning materials
- Manage research data
- Archive event outputs

- Disseminate theses / dissertations
- Provide exam papers
- Student handbook archive

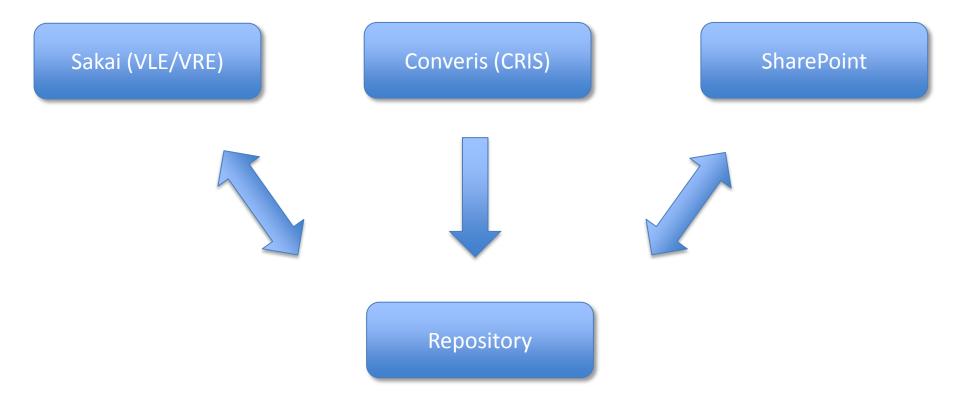
Granular security required to manage these different activities

The repository has been tied into our institutional CAS system

Materials can be open, internal, or restricted to user groups / users



Research and teaching materials





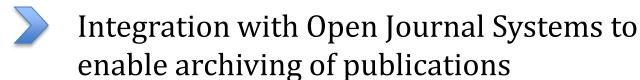
Records of events and performance

Creative writing – discussions with authors

Inaugural lectures

University Learning & Teaching Conference

Campus-based e-publishing



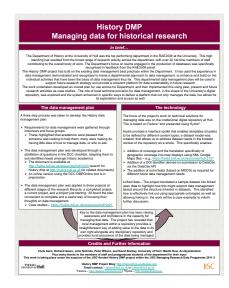


Experimental and observational data

Tiptoeing into data management

- JISC History DMP project
 - Identified ways to encourage and facilitate the planning of data management

- EPSRC roadmap
 - Highlighting ways forward to make the most of the data we produce





Taking the holistic view

An institutional repository

Manageable

Standards-based

Scaleable

Work of faculty and

students

Understands content relationships

Records of events and performances

Content agnostic

Experimental and observational data

Research and teaching materials

Hydra is a Repository Solution







Hydra is a repository solution that is being used by institutions on both sides of the North Atlantic to provide access to their digital content. Hydra provides a versatile and feature-rich environment for end-users and repository

administrators alike.

Hydra is a Community



Hydra is a large, multi-institutional collaboration. The project gives like-minded institutions a mechanism to combine their individual repository development efforts into a collective solution with breadth and depth that exceeds the capacity of

any single institution to create, maintain or enhance on its own. The motto of the project's partners is "if you want to go fast, go alone. If you want to go far, go together."

Hydra is a Technical Framework



Hydra is an ecosystem of components that lets institutions deploy robust and durable digital repositories (the body) supporting multiple "heads": fully-featured digital asset management applications and tailored workflows. Its

principle platforms are the Fedora Commons repository software, Solr, Ruby on Rails and Blacklight. See how you can get started.

Hydra is Open Source Software



Hydra software is free and open source, available under an Apache 2 license.





Adapt to the content

Journal article

CLIF: moving repositories upstream in the content lifecycle

Authors Waddington, Simon; Green, Richard A.; Awre, Christopher L.

Subjects CLIF; JISC; Content lifecycle; Institutional repository; Sakai; eBridge; Microsoft SharePoint

Rights Creative Commons Licence: Attribution-Noncommercial-Share Alike 2.0 UK: England and Wales. See: http://creativecommons.org/licenses/by-nc-sa/2.0/uk/

Abstract The UK JISC-funded Content Lifecycle Integration Framework (CLIF) project has explored the management of digital content throughout its lifecycle from creation through to preservation or disposal. Whilst many individual systems offer the capability of carrying out lifecycle stages to varying degrees. CLIF recognised that only by facilitating the movement of content between systems could the full lifecycle take advantage of systems specifically geared towards different stages of the digital lifecycle. The project has also placed the digital repository at the heart of this movement and has explored this through carrying out integrations between Fedora and Sakai, and Fedora and SharePoint. This article will describe these integrations in the context of lifecycle management and highlight the issues discovered in enabling the smooth movement of content as required.

Date 2012

Language English

Publishers The University of Hull; Texas Digital Library

Published

Published in Journal of digital information, 2012 ISSN (Electronic) 1368-7506 Publisher Texas Digital Library Volume 13 Issue 1



QR code link to this page



Dataset

HMAP Dataset o6: Newfoundland, 1675-1698

Person Pope, P. (Author)

Subjects Population census: History of marine animal populations: Fishing effort: Cod fishery

Rights Creative Commons Licence: Attribution-Noncommercial-Share Alike 2.0 UK: England and Wales. See: http://creativecommons.org/licenses/by-nc-sa/2.0/uk/

Citations (a) The dataset: please cite as follows: P. Pope, ed. 'Newfoundland, 1675-1698' in M.G Barnard and J.H Nicholls (comp.) HMAP Data Pages (www.hull.ac.uk/hmap); (b) Supporting documentation: please cite as follows: P. Pope, 'HMAP dataset 6: Newfoundland, 1675-1698, Supporting Documentation', in M.G Barnard and J.H. Nicholls (comp.) HMAP Data Pages (www.hull.ac.uk/hmap)

Description Fishermen, settlers and cod catches in 17th-century Newfoundland.

The map below gives an indication of the extent of the Newfoundland-Labrador shelf; the 'view as map' link in the download panel at the right will show a much more detailed representation. The kml file download, when used with Google Earth, will render the extent of the Newfoundland-Labrador shelf in detail.

Coverage Newfoundland

1675-1698 Temporal



Downloads

Database - ASCII format

Database - Access 2000 format

Database - csy format

Documentation - PDF format

(pdf)

Documentation - text format

(txt)

Documentation - Word (.doc) format

Newfoundland-Labrador Shelf - kml file

(499 KB vnd.googleearth.kml+xml)

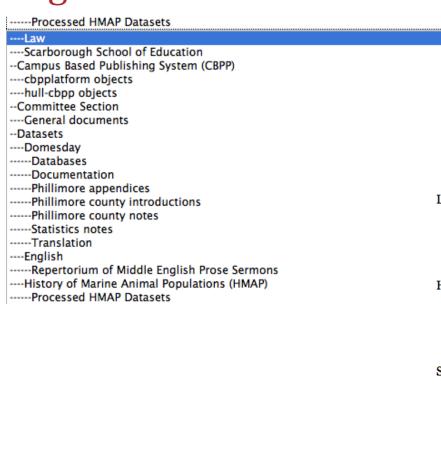
View as map

QR code link to this page





Organise the content



Structural sets

Larkin Centre events

Resource type Display set

Description A collection of recordings made at public events organised by the University's

Larkin Centre featuring interviews with modern writers.

History of Marine Animal Populations (HMAP) datasets

Resource type Display set

Description The HMAP datasets are a research resource comprising of information derived

largely from historical records relating to fishing catches and effort ...



Skills for scientists: employability resource pack

Resource type Display set

Description This pack is a structured resource that can be used as a complete module or as

individual exercises to support other career-based activities. The a...



Display sets

Domesday dataset

Resource type Display set Subject Domesday Book

Description A collection of data about and around the 1086 Domesday book. The dataset was

originally lodged in the repository by Professor John Palmer in 2008....



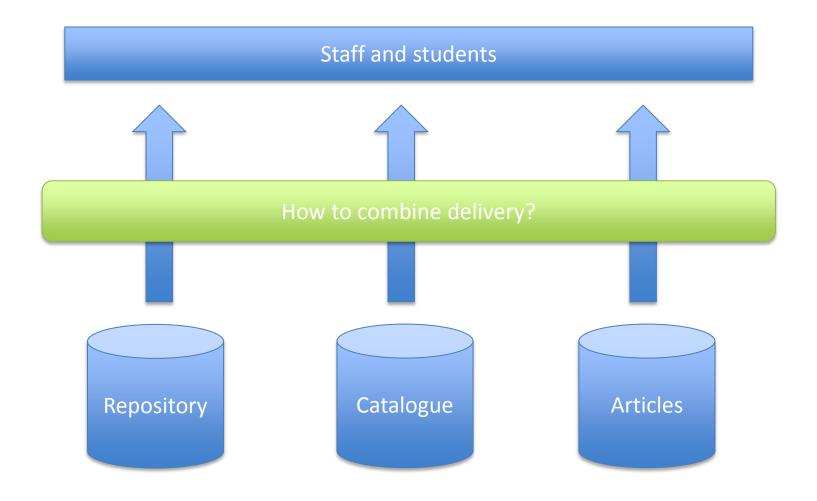


Fulfilling institutional strategy

- ♦ Impact globally through internationalisation
- ♦ Growing research reputation
- ♦ Inconnectedness of research and teaching
- ♦ Enhancing the learning environment
- ♦ Fostering innovation
- ♦ Ensuring academic sustainability



Onwards... Library search integration





Onwards... Digital archives management

- Archives colleagues took part in Mellon-funded AIMS project
 - An Inter-institutional Model for Stewardship of born-digital collections

Developing practice for archivists in dealing with born-digital collections through events and advocacy

Using Hydra to develop tools that help put the model into practice



Finch outcomes

- Whatever you may think of the Finch Report (Government) report on expanding access to research publications)
 - It did highlight the valuable role repositories can play in providing supporting infrastructure
- It focused on the need to have a way of managing:
 - Different types of grey literature
 - Theses/dissertations
 - Links between research data and publications
 - Preservation
- Looks like an opportunity!



Towards...

Our repository is still a work in progress - probably always will be

...it is maturing

We have been able to apply it to a range of purposes

> It is a repository for the institution as a whole

Thank you

Chris Awre – c.awre@hull.ac.uk

Simon Lamb - s.lamb@hull.ac.uk

Richard Green – r.green@hull.ac.uk

Hydra at Hull – http://hydra.hull.ac.uk

Hydra Project – http://projecthydra.org

