Hydra, BL@H and CLIF Fedora at Hull

Richard Green and Chris Awre



Hydra, BL@H and CLIF

- The University of Hull has run a Fedora-based repository in production since 2008
- 'Library and Learning Innovation' at Hull currently involved with three Fedora projects aimed at future enhancement:
 - Hydra
 - A collaboration originally with Stanford, Virginia and Fedora/DuraSpace, now including MediaShelf and taking on others
 - Related to this is AIMS, a project looking at archiving born-digital materials (Mellon funded to September 2011, involves also Hull University Archives and Yale University). A presentation in its own right for next time, maybe?
 - BL@H
 - Blacklight @ Hull (JISC-funded, just completing)
 - CLIF
 - Content Lifecycle Integration Framework (JISC-funded, ends March 2011)



- Current Hull repository (eDocs) based on Muradora and Fedora
 2.x
 - Not sustainable: Muradora project closed, insufficient community to refactor and improve code
- Meetings at OR08 led to a partnership of Hull, Stanford and Virginia + Fedora/DuraSpace sharing two fundamental assumptions:
 - No single system can provide the full range of repository-based solutions for a given institution's needs, yet sustainable solutions require a common repository infrastructure
 - No single institution can resource the development of a full range of solutions on its own, yet each needs the flexibility to tailor solutions to local demands and workflows



- Three year (?) Hydra project was set up, self –funded; now just over two years in
- As a technical framework, it provides a toolkit of reusable components that can be combined and configured in different arrays to meet a diversity of content management needs
- As a community framework, Hydra provides like-minded institutions with the mechanism to combine their individual development efforts, resources and priorities into a collective solution with breadth and depth that exceeds the capacity of any single institution to create, maintain or enhance on its own



- Hydra's ultimate objective is to produce a community-sourced, sustainable application framework that provides rich and robust repository-powered solutions as an integrated part of an overall digital content management architecture
- Different content and associated workflows dealt with by Hydra 'heads' over a common technical core
- Uses Blacklight (community source software) for discovery and download (the 'R' of CRUD)
- Uses MediaSelf developed code for create, update, delete
- Both Blacklight and Hydra are Ruby on Rails + Solr based
- Beta (or was it an alpha?) released autumn 2010 (Hydrangea)



- Hull working on an Institutional Repository Hydra head
 - General purpose for range of IR content
 - Policies, committee papers, ETDs, datasets, images, learning materials (inc handbooks), research materials, past examination papers, ..., ...
 - Multiple content sources
 - Bespoke software tools (inc from RepoMMan/REMAP projects)
 - Research Information System
 - CLIF
 - Hydra itself (eventually)
 - Multiple discovery paths (Hydra, BL@H)
- Production planned for Spring 2011 alongside eDocs
- eDocs planned to be turned off August 2011



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ETD collection



Hydra materials

About Hydra

The Hydra project is developing a new repository for digital materials at the University of Hull. This will eventually replace the beta-test eDocs system that has been trialled for some time. The new repository can hold and manage any type of digital material, and is being developed in response to the growth in the amount of digital material that is generated through the research, education and administrative activities within the University. The repository is particularly well suited for materials that can be shared (openly or on a restricted basis) and/or where the material needs to be preserved for the medium to long-term. Materials currently being managed through the eDocs repository include images, project reports, undergraduate dissertations, teaching materials, datasets, collections of past exam papers and doctoral theses.

The repository is being developed by Academic Services at the University working in close co-operation with other members of the academic community.

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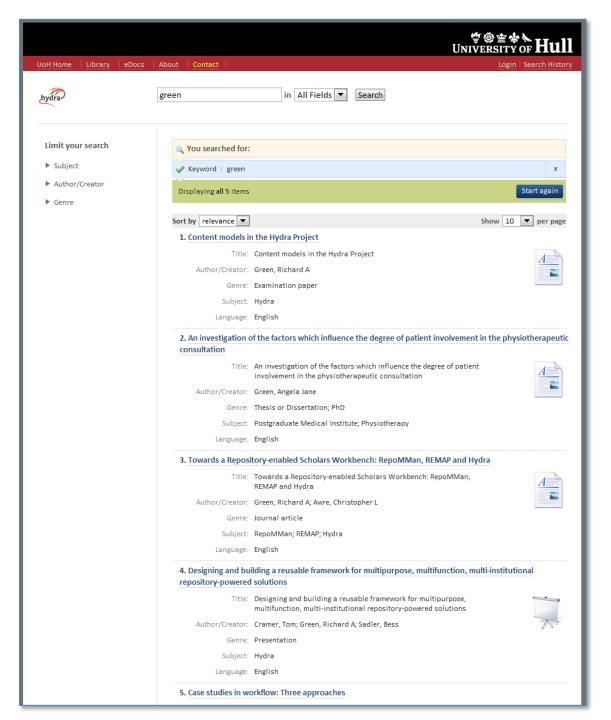


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An investigation of the factors which influence the degree of patient involvement in the physiotherapeutic consultation

Title: An investigation of the factors which influence the degree of patient involvement in the

physiotherapeutic consultation

Author/Creator: Green, Angela Jane

Subject(s): Postgraduate Medical Institute; Physiotherapy

Genre: Thesis or Dissertation; PhD

 $Abstract/Description: \ \ The term \ patient involvement \ is \ widely \ used \ within \ the \ physiotherapy \ vocabulary, \ yet \ it$

is poorly defined and understood. Little is known about NHS physiotherapists attitudes, knowledge or skills regarding patient involvement. The aims of this thesis were therefore

to: i) identify the attributes which define the concept of patient involvement in physiotherapy using a method of concept analysis; ii) investigate physiotherapists? attitudes towards the involvement of patients by means of a national survey; iii) explore patients? attitudes towards their involvement in the physiotherapy consultation using a local survey; iv) explore physiotherapy consultation using a

patient involvement by means of a regional study using video vignettes of simulated consultations; v) ascertain to what extent physiotherapists involve patients in their physiotherapy care by means of an in-deoth local observational study.

Contributor(s): Klaber Moffett, Jennifer (Thesis advisor); Sharp, Donald (Thesis advisor)

Date: 2008 Language: English

Publisher: Postgraduate Medical Institute, The University of Hull

Extent: Thesis document and three supporting wmv format videos

Identifier: hull:756

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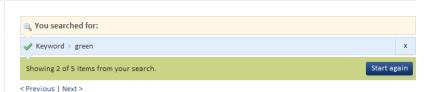
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Maritime Historical Study

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human proteinase-activated receptor-2 (hPAR2) function

Author/Creator: Botham, Andrew Michael



BL@H

- Blacklight @ Hull
 - JISC 12/09 Enhancing library management systems
 - 6 month project
 - To look at layering Blacklight over Hull's existing Millennium catalogue
 - To then extend that to query both the OPAC and the Fedora-based Hydra repository in order to provide a single point of access to resources
- Funding ended October 2010
 - Final report about to be published
 - Basically, it works rather well...
- Interest at Hull in implementing this for production in due course

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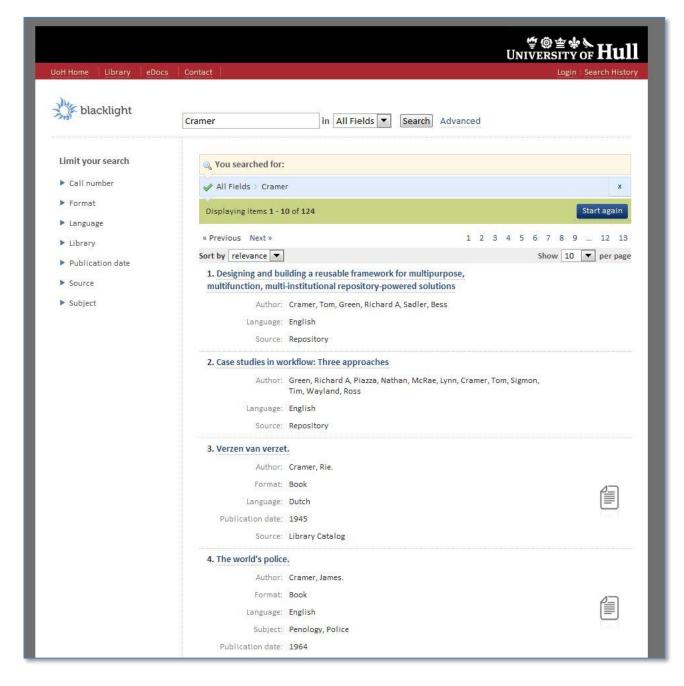
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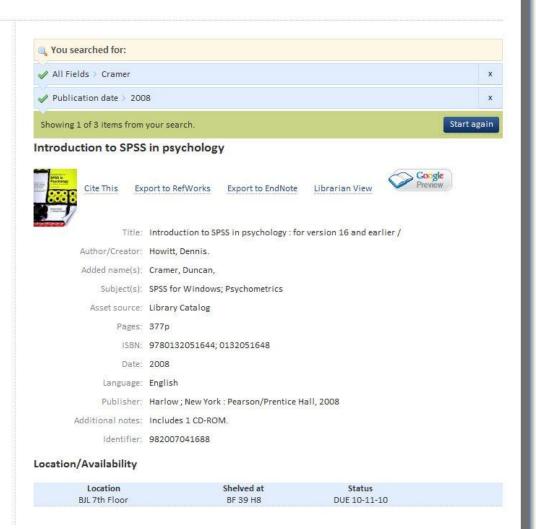
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Bible (7,616)

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Sermons, English (6,411)

Church of England (5,878)

English literature (5,857)

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Select "match all" to require all fields.

Select "match any" to find at least one field.

Combine keywords and attributes to find specific items.

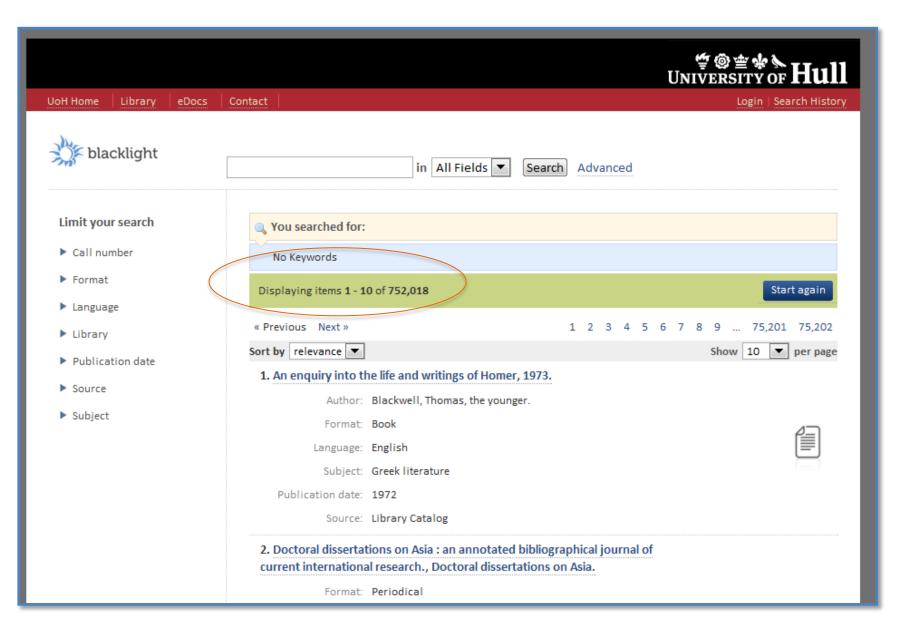
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Use "OR" to search alternate words.

Use - (minus) to exclude a word.

Truncation and wildcards are not supported - wordstemming is done automatically.

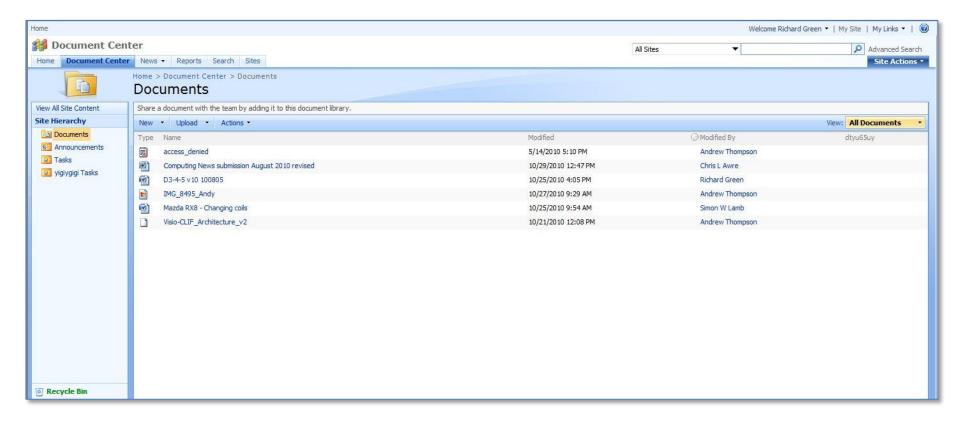
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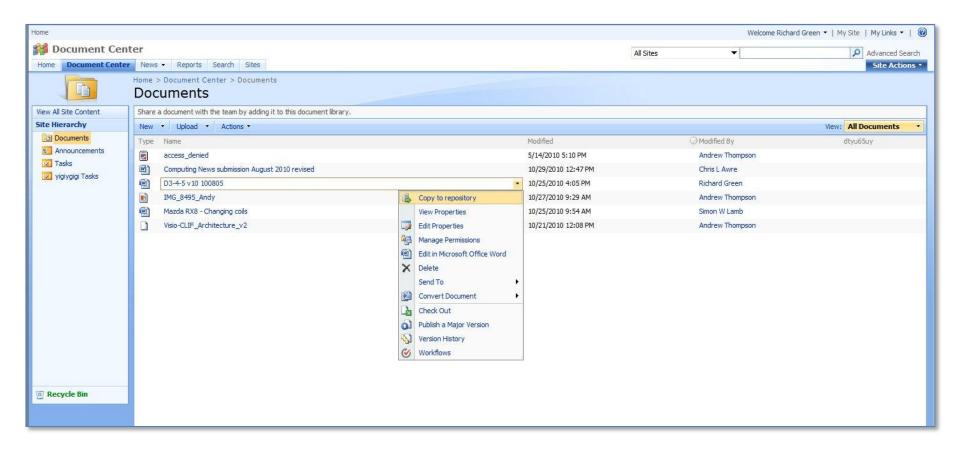


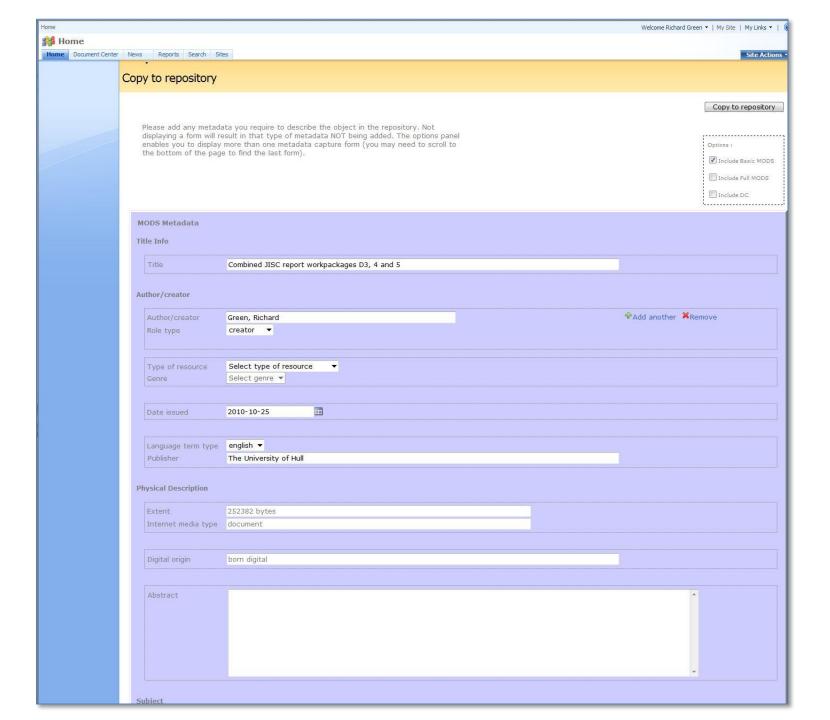


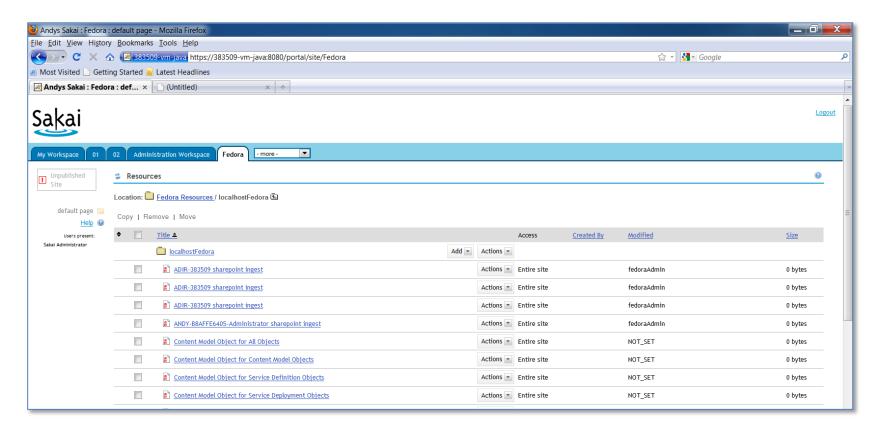
CLIF

- CLIF
 - JISC IE Programme: Repositories enhancement
 - 21 month project joint with CeRch at King's College London
 - Taking the repository upstream into existing workflows, specifically
 Microsoft SharePoint and Sakai (Hull's VLE badged as eBridge)
- Intended to provide two-way transfer between repository and other working environments
 - Each app (SharePoint, Sakai, Hydra) can be used at its appropriate point in the content lifecycle and the content is easily transferred between them as appropriate
- Completes March 2011
 - SharePoint 2007 essentially working; 2010 to be investigated
 - Sakai (based on heavily modified CTREP code) working for download









Note: 'size' problem (reporting as 0 bytes) since fixed

Thanks!

- Many people involved in this work without whom it wouldn't be successful!!! Amongst whom:
 - Hull
 - Simon Lamb (Hydra and BL@H); Dianne Leeson (BL@H); Andrew Thompson (CLIF)
 - King's College (CLIF)
 - Mark Hedges (CLIF); Suresh Thampi (CLIF); Simon Waddington (CLIF)
 - Stanford
 - Tom Cramer (Hydra & BL@H); Naomi Dushay (Hydra & BL@H); Lynn McRae (Hydra); Bess Sadler (Hydra & BL@H)
 - Virginia
 - Robin Ruggaber (Hydra); Tim Sigmon (Hydra); Martha Sites (Hydra);
 - Fedora/DuraSpace
 - Thornton Staples (now at the Smithsonian) (Hydra)
 - MediaShelf
 - Eddie Shin (Hydra); Matt Zumwalt (Hydra)



Links

- Hydra
 - Wiki: http://wiki.duraspace.org/display/hydra
 - Site (in preparation): http://projecthydra.org/
 - Code: http://github.com/projecthydra/hydrangea
- BL@H
 - Blog: http://blacklightathull.wordpress.com/
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