



Developing the Hydra - Blacklight Way

CNI Membership Meeting
St. Louis * April 1, 2014

Tom Cramer
Chief Technology Strategist
Stanford University Libraries
[@tcramer](#)

Agenda

- What is Hydra?
- What is Blacklight?
- Where are they going?
- What does it all mean?



What Is Hydra?

- A robust repository fronted by feature-rich, tailored applications and workflows (“heads”)
 - ⇒ *One body, many heads*
- Collaboratively built “solution bundles” that can be adapted and modified to suit local needs.
- A community of developers and adopters extending and enhancing the core
 - ⇒ *If you want to go fast, go alone. If you want to go far, go together.*

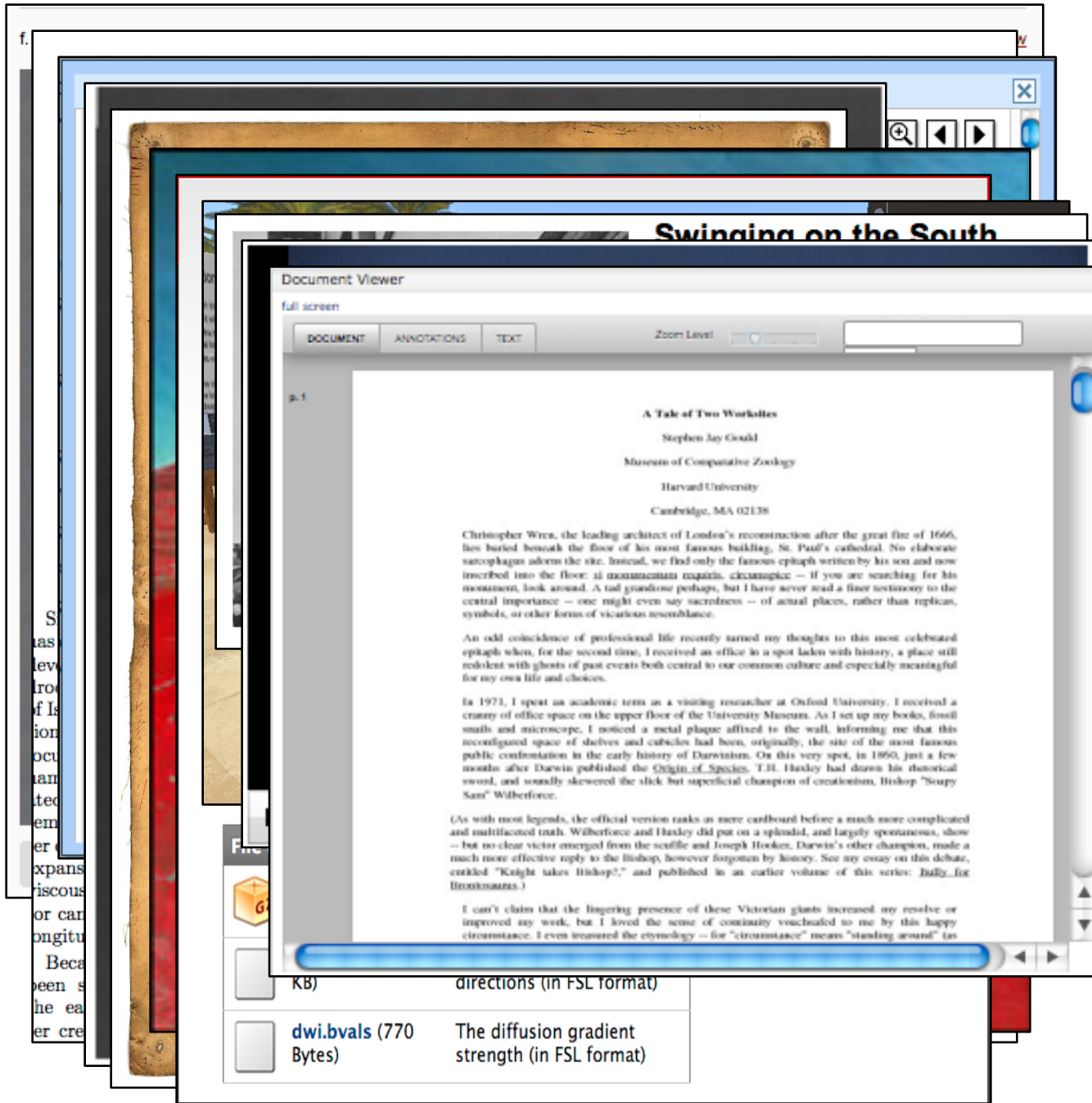


Fundamental Assumption #1

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.

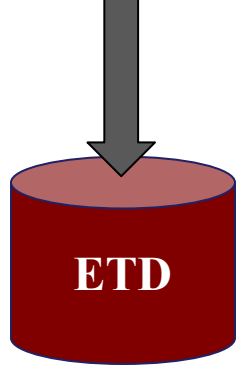
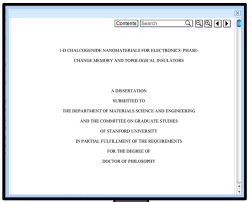




- Books
- Articles
- Theses
- Images
- Maps
- Data (Raster)
- Data (Comp.)
- Data (Observ.)
- Audio
- Video
- Documents

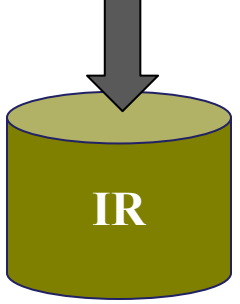
Point Solution Approach ... Welcome to Siloville

ETDs
(Theses)



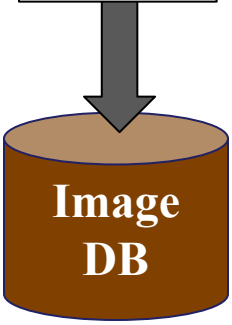
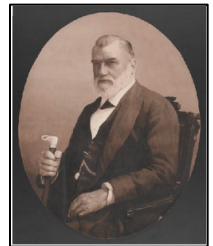
Management

Books,
Articles

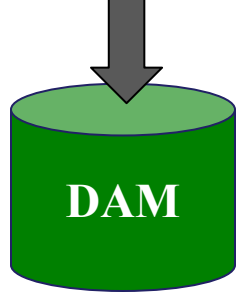


Effective?

Images

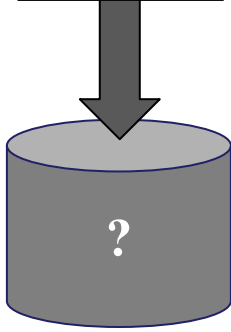


Audio-
Visual



Access

Research
Data

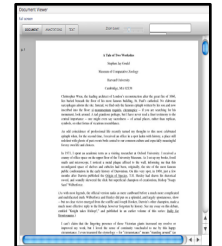


Preservation(?)

Maps
& GIS



Docu-
ments



Sustainable?



Repository-Powered Approach

ETDs
(Theses)

Books,
Articles

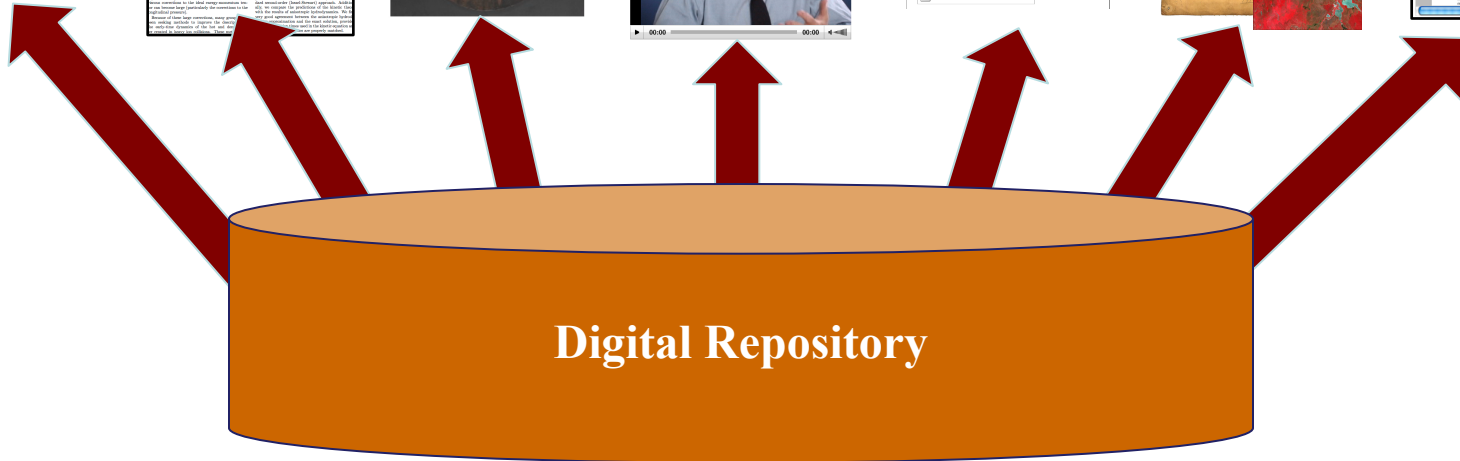
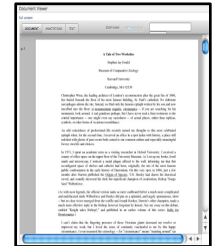
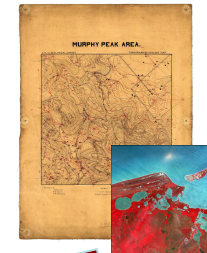
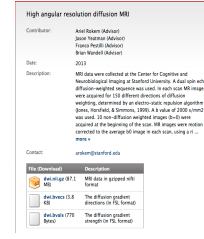
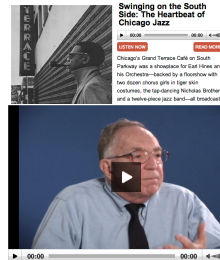
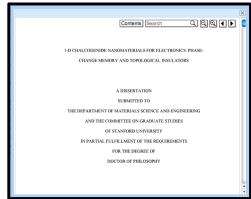
Images

Audio-
Visual

Research
Data

Maps
& GIS

Docu-
ments

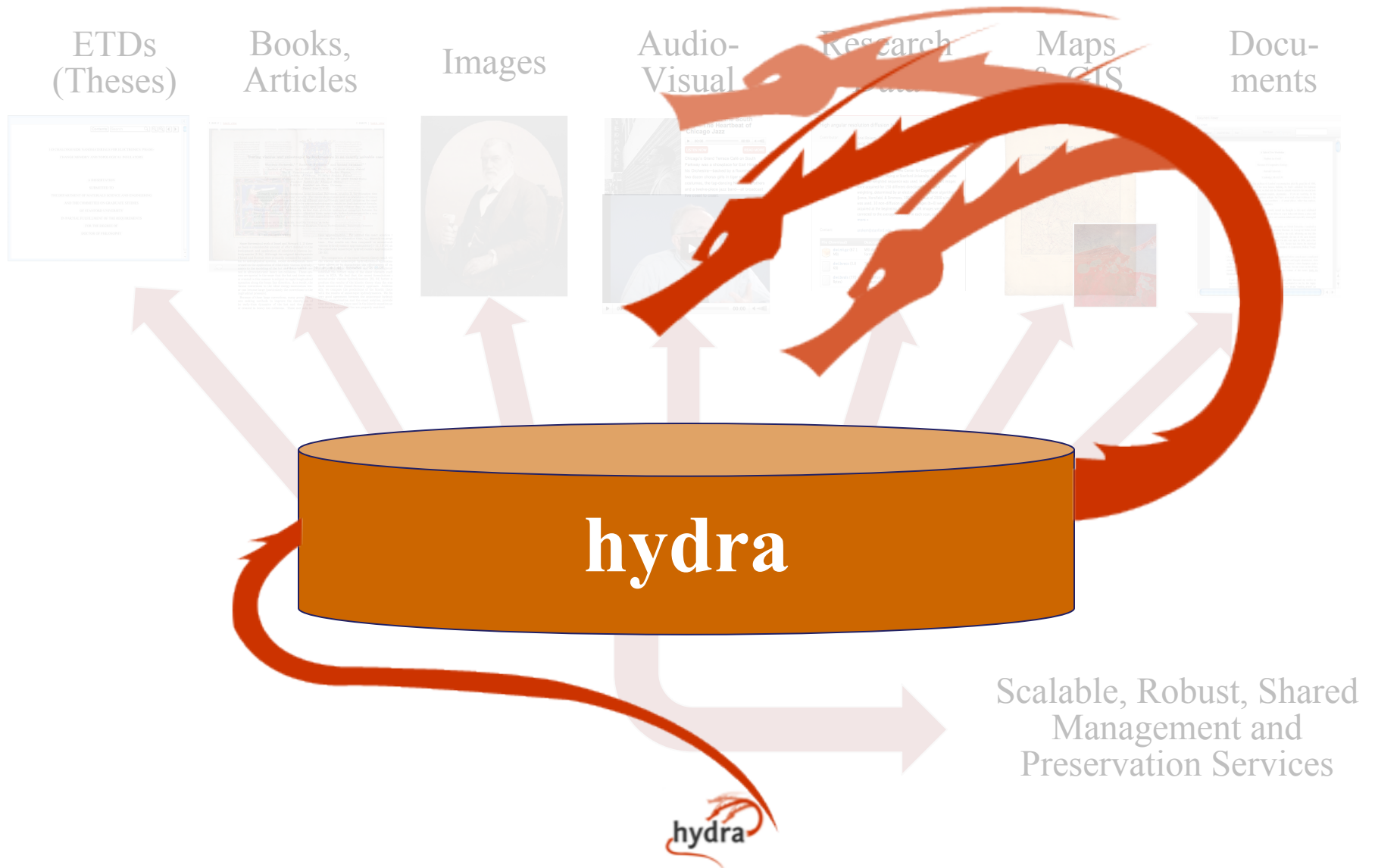


Digital Repository

Scalable, Robust, Shared
Management and
Preservation Services



One Body, Many Heads...



Hydra Technical Framework



CRUD in Repositories

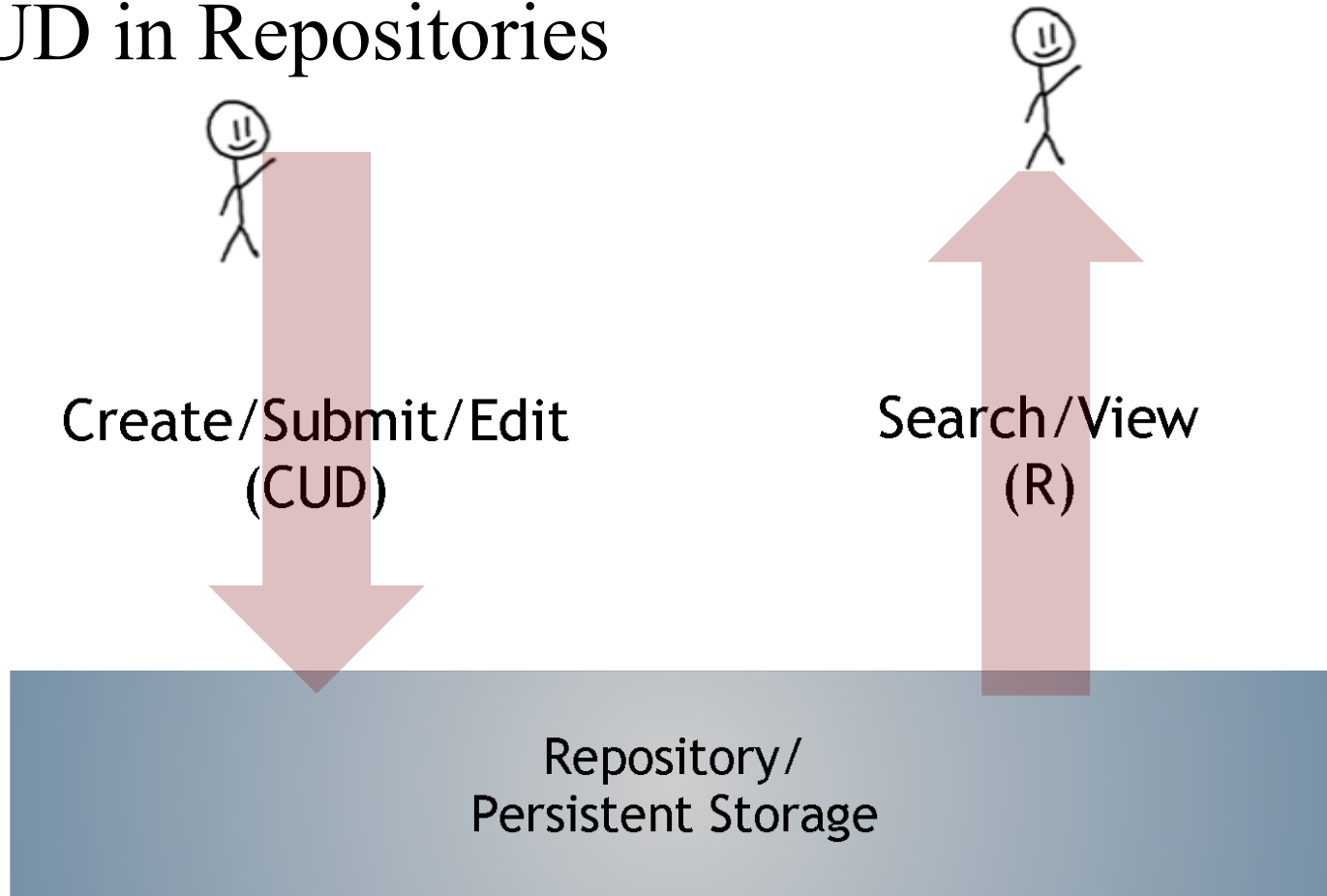
Create/Submit/Edit
(CUD)

Search/View
(R)

Repository/
Persistent Storage



CRUD in Repositories



Major Hydra Components

hydra-head
Rails Plugin
(CUD)

Blacklight
(Read Only)



A Note on Ruby on Rails

- *Rapid* application development for web applications: “Convention over configuration”
 - 10x productivity
- **Supportable**: MVC (Model-View-Controller) and Rails framework make code well-structured, predictable
- **Testable**: Rspec and Cucumber give powerful, automatable, testing tools
- **Learnable**: Stanford went from 1 to 8 Ruby savvy developers in one year (no new hires)
 - 1 week learning curve to basic proficiency



A Note on Fedora

- Flexible, Extensible, *Durable* Object Repository Architecture
 - Flexible: model and store any content types
 - Extensible: easy to augment with apps and services
 - Durable: foundation of preservation repository
- Proven, sustained and successful digital repository
 - 100's of adopters; 12 years of development, 3 releases
 - Vibrant community & funding under DuraSpace
- Fedora 4 in development; co-evolving with Hydra



Hydra Community Framework



Fundamental Assumption #2

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.



Hydra Philosophy -- Community

- An open architecture, with many contributors to a common core
- Collaboratively built “solution bundles” that can be adapted and modified to suit local needs
- A community of developers and adopters extending and enhancing the core
- “If you want to go fast, go alone. If you want to go far, go together.”

One body, many heads



Community

- Conceived & executed as a distributed, collaborative, open source effort from the start
- Initially a joint development project between Stanford, Univ of Virginia, and Univ of Hull
- Hydra Partners are the backbone of the project
 - Coalition of the willing
 - No fees or dues
 - Apache-style consensus and governance
- Steering Group provides administration, continuity, and serves as backstop when needed
 - But no central planning, no Project Director, no “one” architect



Hydra Partners...

...are individuals, institutions, corporations or other groups that have committed to contributing to the Hydra community; they not only use the Hydra technical framework, but also add to it in at least one of many ways: code, analysis, design, support, funding, or other resources.

Hydra Partners collectively advance the project and the community for the benefit of all participants.





UNIVERSITY OF NOTRE DAME

NORTHWESTERN UNIVERSITY

UNIVERSITY OF Cincinnati



PRINCETON UNIVERSITY

Stanford University

Duke UNIVERSITY

MediaShelf



INDIANA UNIVERSITY



VirginiaTech



UNIVERSITY OF Hull

PENNSTATE

LSE

THE LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE



UNIVERSITY of VIRGINIA

BOSTON PUBLIC LIBRARY



THE ROYAL LIBRARY

National Library of Denmark and Copenhagen University Librar



COLUMBIA UNIVERSITY



Cornell University

DURASPACE.ORG



Yale University

Code Licensing

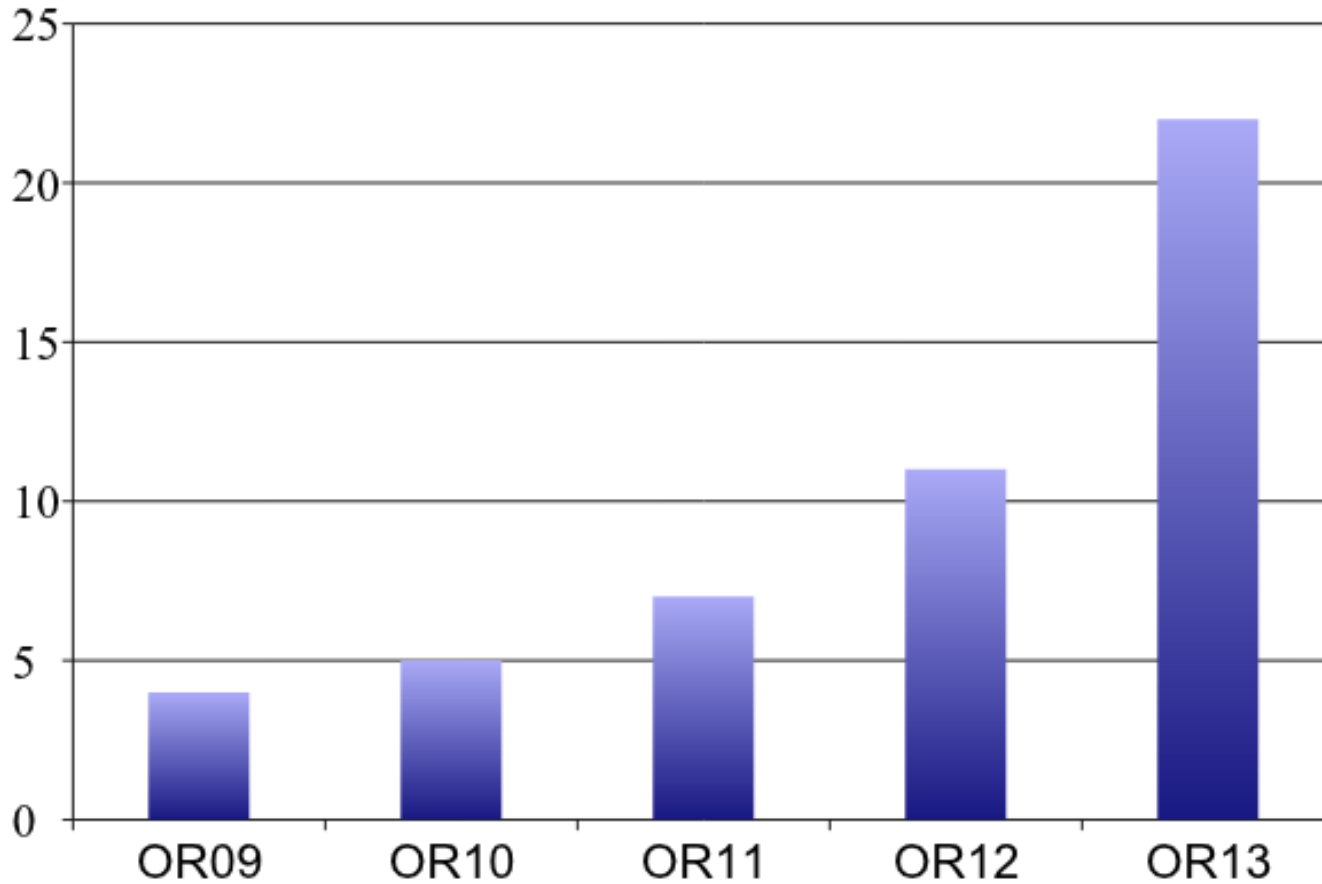
- All Hydra code is available under Apache License, Version 2.0
- All code commitments are being managed through Contributor License Agreements
 - Individual – so each developer is clear about what they are contributing
 - Corporate – so each institution is clear about what it is contributing
- Code contributors maintain ownership of their IP
 - ...and grant a non-exclusive license to the project and its users



Hydra Current State

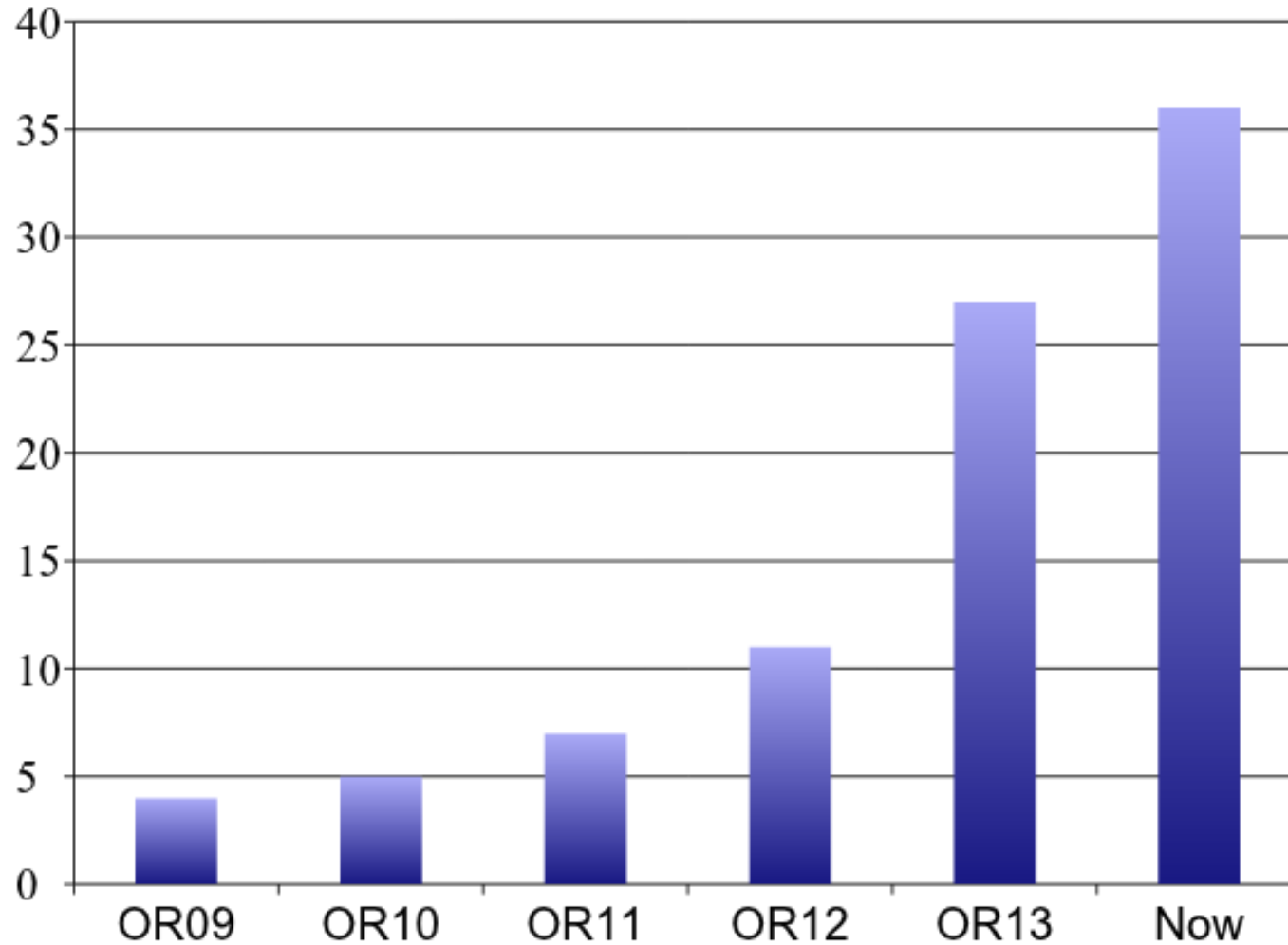


Hydra Partners



OR = Open Repositories Conference

Hydra Partners *and Known Users*



OR = Open Repositories Conference



University of Virginia, 2008



LibDevConX³, Stanford, 2012: (Hydranauts and Fellow Travelers)



Hydra Partners @ UCSD, 2012



First Worldwide Hydra Connect @ UCSD, 2013



Trending

In a Nutshell, Project Hydra...

... has had 7,716 commits made by 62 contributors representing 60,904 lines of code

... has a codebase with a long source history maintained by a very large development team with stable Y-O-Y commits

... took an estimated 15 years of effort (COCOMO model) starting with its first commit in October, 2009 ending with its most recent commit 6 days ago

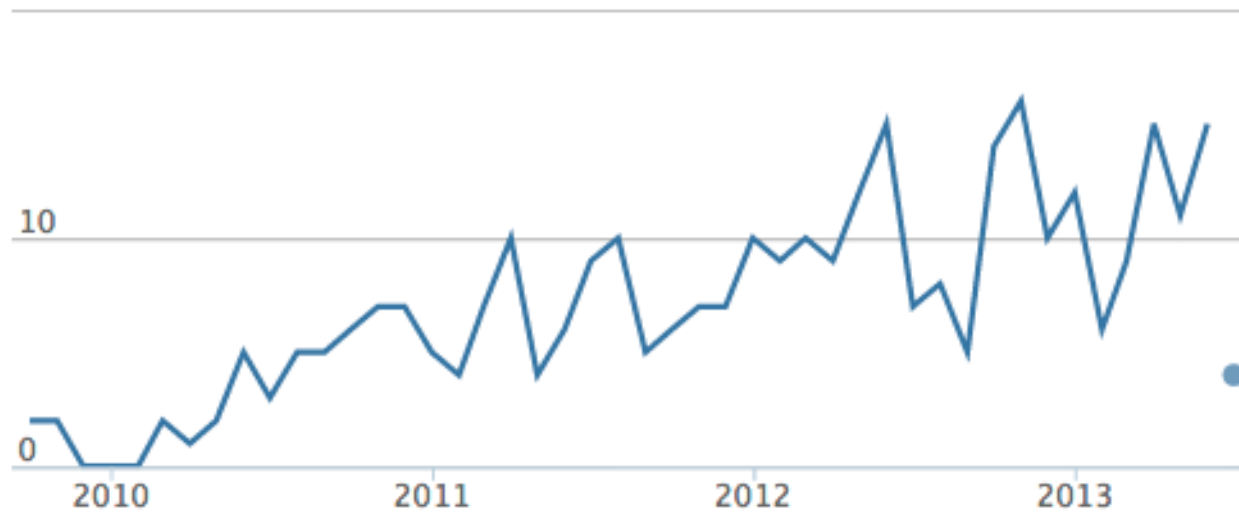


Trending

Commits per Month



Contributors per Month



Hydra Heads: Institutional Repositories

The screenshot shows the University of Hull Digital Repository search results page. At the top, the header includes the text "Digital Repository" and the University of Hull logo. Below the header is a navigation bar with links for "UoH Home", "Library", "About", "Contact", and "Search History". The main search area features a search bar with the text "Result set:" and a "Search" button. To the left of the search results is a "Limit your search" sidebar with various filters. The search results themselves are displayed in a list format, with the first result titled "From marketing systems to systems marketing" and the second titled "A comparative study on anti-dumping laws in the EU and Korea in the context of international rules".

Digital Repository UNIVERSITY OF Hull

UoH Home Library About Contact Search History

Result set: Search

Limit your search

Resource type
Thesis or dissertation (118)(remove)

Subject
Education (62)
History (34)
Political science (49)
Public administration (49)
Management (41)
Sociology (34)
Human services (41)
Medicine (42)
Psychology (31)
Performing arts (24)

more »

Name
Language
Collection

You searched for
No Keywords
Resource type: Thesis or dissertation
Displaying resources 1 - 10 of 119 Start again
Sort by: relevance Show 10 per page

1 2 3 4 5 6 7 8 9 ... 15 16

From marketing systems to systems marketing
Author: Zhu, Zhiqiang
Resource type: Thesis or Dissertation
Subject: Management
Language: English

A comparative study on anti-dumping laws in the EU and Korea in the context of international rules
Author: Chun, Cheong-Oh
Resource type: Thesis or Dissertation
Subjects: International trade; Law; Law enforcement; Prisons

University of Hull



Hydra Heads: Institutional Repositories

The screenshot displays the Penn State ScholarSphere website interface. At the top, the navigation bar includes 'Home', 'About', 'Help', 'Contact', and a 'Login' button. A search bar is prominently featured with the text 'Type keywords in here' and a 'Go' button. The main content area shows a search result for 'Animal Assisted Therapy'. The result includes a thumbnail image, a brief description, and a list of authors: Jill Buchle, BSN, RN, CCRN; Erica Conti, BSN, RN; and Julie Werner, BSN, RN. The 'Actions' section provides options to download the document or export it to EndNote, Zotero, or Mendeley. Social media sharing icons for Facebook, Twitter, LinkedIn, and YouTube are also present. The 'Descriptions' section lists the title, creator, contributor, abstract or summary, keyword, rights, publisher, date, and created date.

PENNSTATE SCHOLARSPIHERE

Home About Help Contact Login

SEARCH Type keywords in here Go

Home / Animal Assisted Therapy

Animal Assisted Therapy

Animal Assisted Therapy
Jill Buchle BSN, RN, CCRN, Erica Conti BSN, RN and Julie Werner BSN, RN
Millersville University, Nursing Research 428

Actions
Download
Export to: [EndNote](#) | [Zotero](#) | [Mendeley](#)

Descriptions

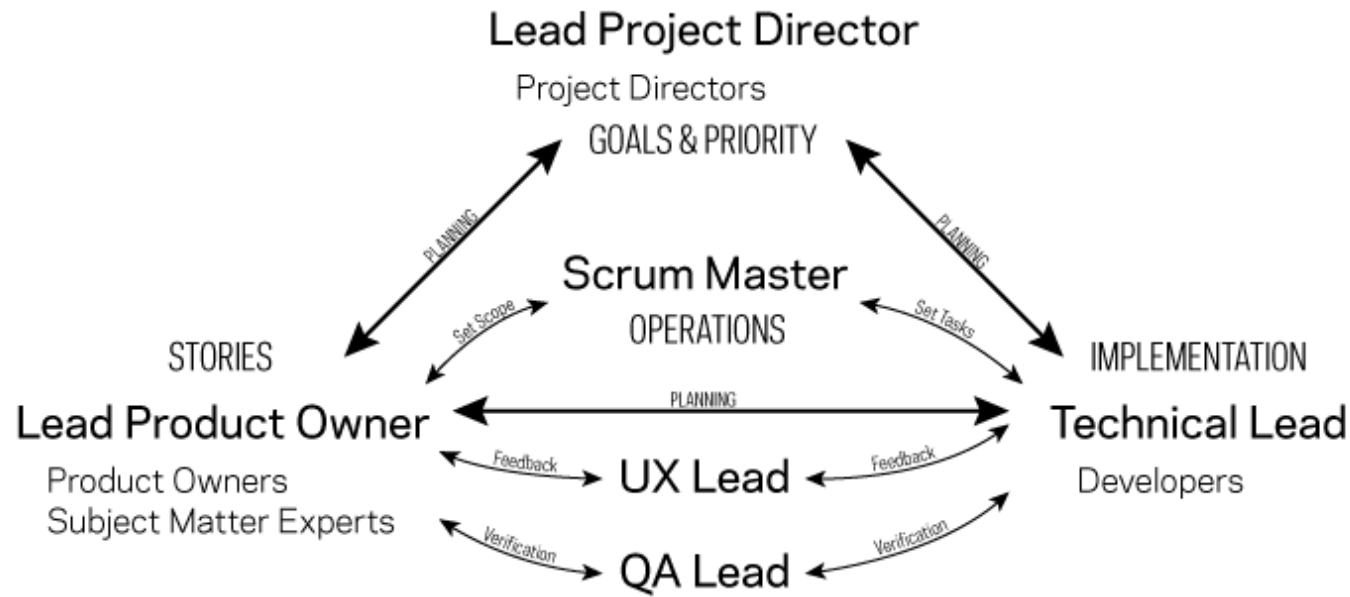
Title	Animal Assisted Therapy
Creator	Jill Buchle, BSN, RN, CCRN Erica Conti, BSN, RN Julie Werner, BSN, RN
Contributor	
Abstract or Summary	Among RN and patient populations, does the use of pet therapy improve RN satisfaction and speed patient recovery after illness/surgery?
Keyword	Penn State Hershey Nursing Pet Therapy
Rights	All rights reserved
Publisher	
Date Created	2013

Download the full-sized PDF

ScholarSphere / Sufia @ Penn State



Hydra Heads: Institutional Repositories



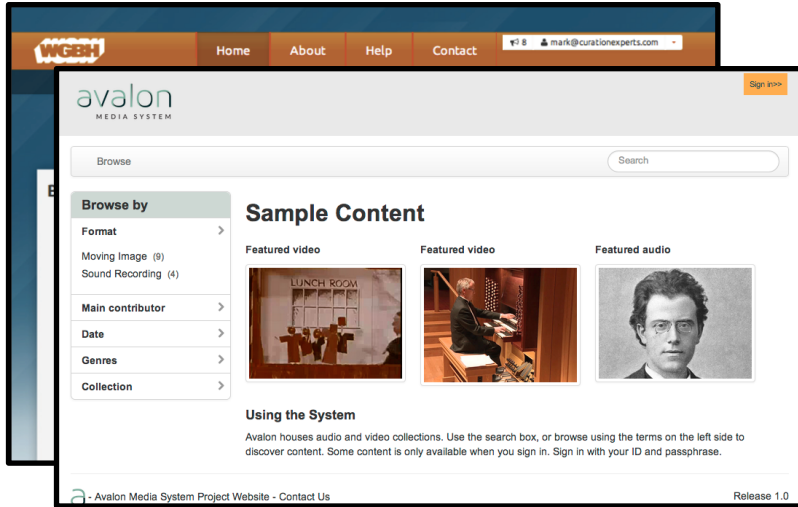
Hydramata

- 6-institution collaboration
- Build a shared Hydra head to serve as an IR
- Distributed, agile team

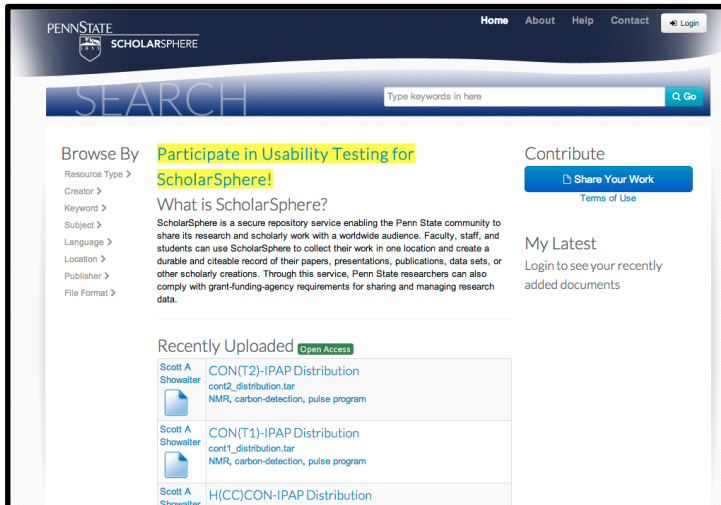
University of Notre Dame
Northwestern University
Indiana University
University of Cincinnati
University of Virginia



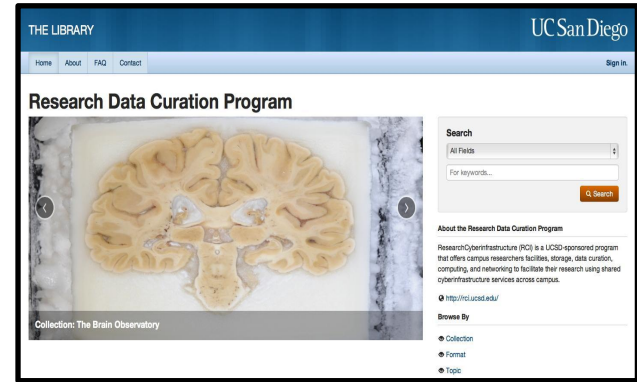
Hydra Heads of Note



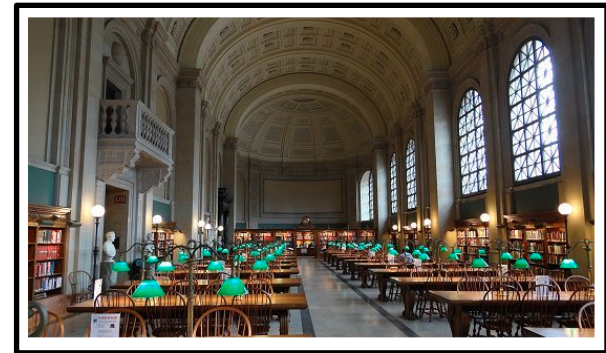
Avalon & HydraDAM for Media



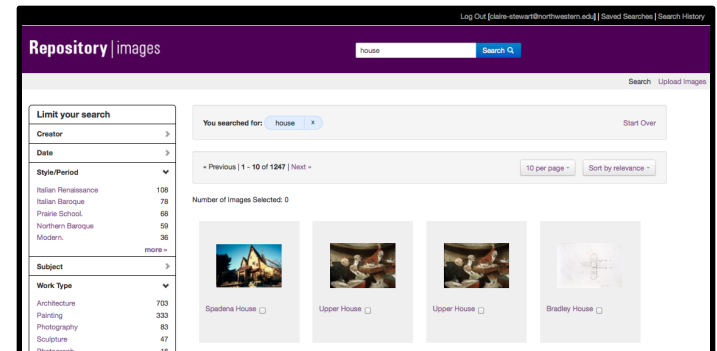
Sufia



UCSD DAMS

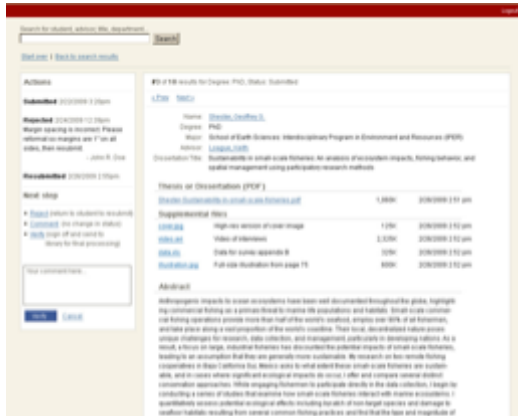


BPL Digital Commonwealth



Northwestern Digital Image Lib.

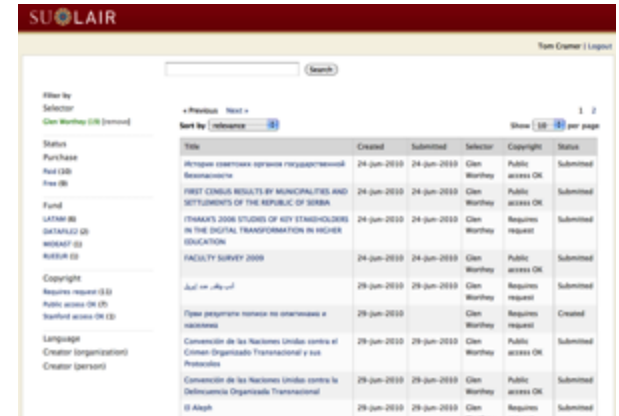
Hydra-based Applications at Stanford



ETD's – Electronic Theses & Dissertations



SALT – Self-Archiving Legacy Toolkit



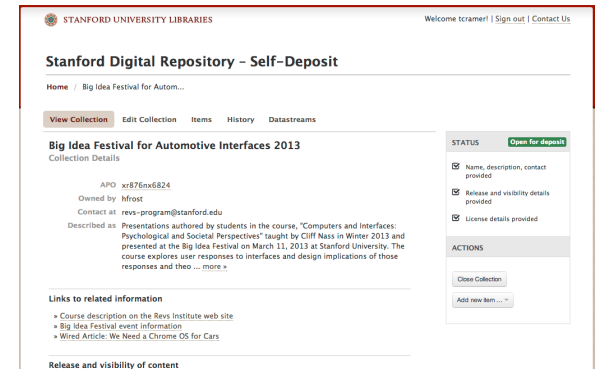
EEMs – Everyday Electronic Materials



Argo – Repository Reporting and Management



Hypatia – Archives & Special Collections



SDR – Web UI (aka Hydrus)

Current State of Hydra

- Doubled in size, thrice, since its founding
- Achieved all its original goals
- Entering a new phase



Three critical priorities

1. Technical framework continue to advance to enable easy code sharing and reuse
2. Community framework evolves to accommodate growth in partners.
3. Create a full suite of solution bundles



Eight strategic priorities

1. Develop solution bundles
2. Develop turnkey applications
3. Grow the Hydra vendor ecosystem
4. Codify a scalable training framework to fuel community growth
5. Develop a documentation framework
6. Ensure the technical framework allows code sharing
7. Refresh and intensify the community ties
8. Grow the community of users and adopters



Blacklight



Blacklight for Repositories

- Repository-agnostic, feature-rich, content-aware, turnkey access interface
- Aggregate content from multiple repositories, with links back to source systems
- Vibrant, multi-institutional, open source community on its own
- Can be used independently, or as the first component of, Hydra



Blacklight

- Who's Using It?
 - Scores (probably hundreds) of institutions
 - Notables: UVa, Stanford, Columbia, Cornell, Princeton, Yale, Johns Hopkins, WGBH, BPL, NYPL, Danish Technical University, Tufts, Indiana University, Univ. of Wisconsin, et al.
 - Every Hydra institution
- Remarkably strong community
 - Regular workshops and tutorials at Code4Lib, DLF, et al.
 - 328 members on blacklight-development@googlegroups.com



Blacklight Development

In a Nutshell, Blacklight...

... has had **2,135 commits** made by **49 contributors** representing **10,855 lines of code**

... has a **codebase with a long source history** maintained by a **large development team** with **increasing Y-O-Y commits**

... took an estimated **3 years of effort** (COCOMO model) starting with its **first commit in October, 2009** ending with its **most recent commit 1 day ago**

30 Day Summary

Mar 2 2014 — Apr 1 2014

79 Commits

6 Contributors

including **2 new contributors**

12 Month Summary

Apr 1 2013 — Apr 1 2014

508 Commits

Up **+152 (42%)** from previous 12 months

19 Contributors

Down **-2 (9%)** from previous 12 months

SearchWorks (SUL) x

searchworks.stanford.edu

STANFORD UNIVERSITY LIBRARIES

MY ACCOUNT FEEDBACK ASK US

Stanford University Libraries

SearchWorks

Access

At the Library (6,179,105)
Online (1,234,094)

Format

- Book (6,256,305)
- Journal/Periodical (308,157)
- Microformat (288,469)
- Conference Proceedings (214,898)
- Music - Recording (131,997)
- Thesis (126,599)
- Other (113,884)
- Music - Score (90,840)
- Map/Globe (72,442)
- Video (54,563)
- Manuscript/Archive (13,466)
- Newspaper (6,167)
- Computer File (4,902)
- Image (4,668)
- Sound Recording (3,715)
- Database (1,314)

Call Number +

Library +

Language +

Search 7,080,702 resources in Stanford's libraries

Search

[SearchWorks Help](#) | [Advanced Search](#)

Looking for Articles?

- Complete list of databases
- Not sure which database to try? Try these [selected databases](#)
- Search several databases at once in [xSearch](#)

Course Reserves

Find print, media, and e-resources set aside for classes.

- [Search by course or instructor.](#)
- Instructors: [Place materials on reserve.](#)

Can't find it at Stanford?

Request it through [interlibrary borrowing](#), or ask us to purchase it for the libraries.

Connect

- [Connecting to databases from off-campus](#)
- [Report a connection problem](#)

Digital Collections

Selected digital collections from the Stanford Digital Repository are being added to SearchWorks.

» [Find out more](#)

CLIO

CLIO.columbia.edu/quicksearch?q=information+retrieval&commit=Search

COLUMBIA UNIVERSITY LIBRARIES / INFORMATION SERVICES

My Library Account Help

CLIO

Quicksearch

Catalog

Articles

E-Journal Titles

Databases

Academic Commons

Libraries Website

Archives

Dissertations

E-Books

New Arrivals

Newspapers

information retrieval

Catalog All 5,778 results

Information retrieval

Author Doudnikoff, Basil, 1933-
 Published Philadelphia, Auerbach Publishers, 1973.
 Location Offsite >> Z699 .D66
 Format Book

Information retrieval

Author Van Rijsbergen, C. J., 1943-
 Published London ; Boston : Butterworths, 1979.
 Location Offsite >> Z699 .V35 1979
 Format Book

Information retrieval

Author Van Rijsbergen, C. J., 1943-
 Published London ; Boston : Butterworths, 1975.
 Location Offsite >> Z699 .V35
 Format Book

Information Retrieval: a critical view. Based on third annual Colloquium on Information Retrieval, May 12-13, 1966, Philadelphia

Author Schecter, George
 Published Washington : Thompson Book Company, 1967.
 Location Offsite >> Z699 .S322 1967g
 Format Book, Conference Proceedings

Information retrieval: Ground rules for indexing

Author Information Retrieval Project. University of Dayton Research Institute
 Published Dayton: Univ. of Dayton Res. Institute, 1963.
 Location Offsite >> No call number assigned
 Format Book

Information retrieval: SciFinder

Author Ridley, D. D. (Damon D.)
 Published Hoboken, N.J. : Wiley, 2009.

Articles All 782,135 results

Information retrieval

Citation , ISSN: 1386-4564
 Format Journal: [Full Text Available](#)

Information Retrieval

Author Melucci, Massimo
 Baeza-Yates, Ricardo
 Citation 1/1/2011
 Format eBook: [Full Text Available](#)

Information Retrieval

Author Huete, Juan F
 Efthimiadis, Efthimis
 Fernández-Luna, Juan M
 Citation 1/1/2011
 Format eBook: [Full Text Available](#)

Academic Commons All 117 results

Music Information Retrieval for Jazz

Author Ellis, Daniel P. W.
 Date 2012
 Handle <http://hdl.handle.net/10022/AC:P:19786>
 Subject Music, Computer science
 Type Presentations
 Downloads CJS-2012-11-15.pdf

Simultaneous Multilingual Search for Translingual Information Retrieval

Author Parton, Kristen ; McKeown, Kathleen; Allan, James; Henestroza, Enrique
 Date 2008
 Handle <http://hdl.handle.net/10022/AC:P:20087>
 Subject Computer science
 Type Presentations
 Downloads parton al 09.pdf

CLIO at Columbia University – Bento Box results w/ article search

Virgo - Results for beetho

search.lib.virginia.edu/music?q=beethoven&sort=score+desc%2C+year_multisort_i+desc

UNIVERSITY OF VIRGINIA LIBRARY Sign In Non-U.Va. User?

VIRGO Music Search Virgo Classic Course Reserves Libra

beethoven Search Catalog Advanced Search Article Advanced Search

Switch to: Catalog + Article Results Catalog Results Article Results Video Results Start over

Limit results by: You searched for: Keyword > beethoven x

6,007 results 1 2 3 4 5 ... Next > Last >

Sort by Relevancy Show 20 per page Starred Items

All

1. [Beethoven \[sound recording\]](#)

Composer/Performer Beethoven, Ludwig van, 1770-1827
 Format Sound Recording; CD
 Publication New York, NY : Nonesuch Records, p2009
 Availability AVAILABLE Music (Circulation Desk)
 Call Number CD17901

Cover Not Available

2. [Beethoven \[sound recording\]](#)

Composer/Performer Beethoven, Ludwig van, 1770-1827
 Format Sound Recording; CD
 Publication Hayes, Middlesex, England : EMI, p1990
 Availability View Locations and Availability
 Call Number CD05427 disc1, disc2, disc3, disc4, disc5, disc6, disc7

Cover Not Available

3. [Beethoven](#)

Library
 Music (1,701)
 Ivy (1,263)
 Hathi Trust Digital Library (518)
 See More →

Format
 Sound Recording (3,567)
 Online (2,721)
 Streaming Audio (1,947)
 See More →

Recordings and scores
 Recordings and/or Scores (4,480)
 Recordings (3,542)
 Scores (938)
 See More →

Virgo at University of Virginia – Music Search View

Information retri x Audience Overvie x Roadmap - Search x Examples · proje x Blacklight Develo x The Blacklight Op x Catalog - UW-Madison x

search.library.wisc.edu

UNIVERSITY OF WISCONSIN-MADISON LIBRARIES UW Home Campus Libraries **ASK** a Librarian My Accounts

Catalog Explore books music movies and more

Catalog Home Advanced Search Browse Sign In Selected (0) Help

Searching UW-Madison Items

Example: radioactive Anywhere

Advanced Search · Search All of UW System

New Library Catalog

- Take the visual tour (coming soon)
- Give us feedback
- Visit MadCat: the legacy catalog

Browse by Subject

Explore the library collections via [subject topics](#), [places](#), [languages](#), [author or creator name](#).

Example: [King, Martin Luther, Jr., 1929-1968](#) > [Civil rights](#) > [History](#) > [United States](#) [View more items like these >](#)

1. What was your dream, Dr. King? : and other moments in the life of Martin Luther King Jr.
Madsen, Jim.; Carson, Mary Kay

2. The King years : historic moments in the life of Martin Luther King Jr.
Branch, Taylor

3. Martin & Mahalia : his words, her song
Pinkney, Andrea Davis; Pinkney, J. Brian

4. Dreams and nightmares : Martin Luther King Jr.
Waldschmidt-Nelson, Britta

5. Desert rose : the life and legacy of Coretta Scott King
Hilley, Joseph H; Bagley, Edythe Scott

6. Behind the dream : the making of the speech
Jones, Clarence B; Connelly, Stuart

BETA


View UW System Digital Collections

Search the [UW System Digital Collections](#) for a preview of books and journals, maps, photographs and more from UW System libraries and faculty, public libraries and cultural institutions throughout the state.

[Contact us](#)

Revs Digital Library: The Jo x
https://revslib.stanford.edu/collection/wn860zc7322


STANFORD UNIVERSITY LIBRARIES tcramer@stanford.edu | Report a problem



Revs Digital Library

HOME COLLECTIONS ABOUT REVS PROGRAM AT STANFORD

COLLECTION DETAIL



Frankford Record Week

6 of 693 items

The John Dugdale Collection of the Revs Institute

Total Items: 693


Dugdale began his career in 1933 as a motor sports photo-journalist with Autocar magazine. In the 1960s and 1970s he held several important positions in the automotive industry, most notably as the public relations director for the Jaguar, Rover, and Triumph Division at British Leyland of America. The John Dugdale Collection consists of monochrome and color photographs from 1935 through 1948. The collection includes rare images of attempts at the Land Speed Record from Nazi-era Germany along the Autobahns as well as John Cobb's 1939 Napier-Railton land speed car at the Bonneville Salt Flats in Utah. Other images include the French Grand Prix and German Grand Prix in 1938 and p ... [more »](#)

NAVIGATION

- All Collections
- Back to Search
- Start Over

OTHER COLLECTION ITEMS (20 OF 693)

[View All Collection Items](#)



Revs Digital Library at Stanford: *Blacklight for Image*

French Revolution Digital / X
frda-stage.stanford.edu

STANFORD UNIVERSITY LIBRARIES Report a problem

in english | en français

French Revolution Digital Archive

A collaboration of the Stanford University Libraries and the Bibliothèque nationale de France

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French Revolution Digital Archive

SEARCH

+ options

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- Political timeline >
- People >
- Document type >
- Medium (Images) >
- Genre (Images) >
- Artist (Images) >
- Collector (Images) >
- Volume (AP) >

About the collections

The *French Revolution Digital Archive (FRDA)* is a multi-year collaboration of the Stanford University Libraries and the *Bibliothèque nationale de France (BnF)* to produce a digital version of the key research sources of the French Revolution and make them available to the international scholarly community. The archive is based around two main resources, the *Archives parlementaires* and a vast corpus of images first brought together in 1989 and known as the *Images de la Révolution française*.

Archives parlementaires / Parliamentary archives

The *Archives parlementaires* is a chronologically-ordered edited collection of sources on the French Revolution. It was conceived in the mid 19th century as a project to produce a definitive record of parliamentary deliberations and also includes letters, reports, speeches, and other first-hand accounts from a great variety of published and archival sources. Because of copyright limitations, *FRDA* contains the *AP* volumes covering the years 1787-1794. The text of these volumes has been marked up using TEI so that speakers, places, dates, and terms in the published index can be easily found. Users can see both scanned images of the *AP* pages or just the texts.



Images de la Révolution française / Images of the French Revolution

The *Images* are composed of high-resolution digital images of approximately 14 000 individual visual items, primarily prints, but also illustrations, medals, coins, and other objects, which display aspects of the Revolution. These materials were selected, mainly from the collections of the Département des Estampes et de la photographie, but also from other BnF departments, and include thousands of images for the important collections entitled Hennin and De Vinck. Detailed metadata exists for the images, so that researchers can search by artist, subject, genre, and place.



FRDA at Stanford: *Blacklight* for text & image collection

dm dms - digital manuscripts x

dms.stanford.edu/?commit=search&f%5Bcollection_facet%5D%5B%5D=Parker+Medieval+Manuscripts&q=roman&search_field...

Login | Selected Items (0) | Search History

dms Stanford's digital manuscripts index

Limit your search

Collection

- Parker Medieval Manuscripts (53)[remove]
- Bibliothèque nationale de France (BNF) (0)
- Goodspeed Manuscript Collection (0)
- Lund Medieval Manuscripts (0)
- Oxford Medieval Manuscripts (0)
- Roman de la Rose Digital Library (0)
- Swiss Medieval Manuscripts (0)

Country

Institution

Settlement

Repository

Material

roman in All Fields Search

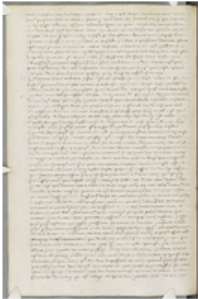
roman x Collection Parker Medieval Manuscripts x

Displaying items 1 - 10 of 53 Start over

Sort by relevance Show 10 per page

< Previous 1 2 3 4 5 6 Next >

1. Cambridge, Corpus Christi College, Parker Library, CCCC MS 208 Select



Collection: Parker Medieval Manuscripts
 Manuscript Identifier: CCCC MS 208
 Manuscript Title: Commentary in French on the Epistle to the Romans
 Origin Date: xvi
 Material: Paper
 Language: French.
 Description URL: http://parkerweb.stanford.edu/parker/actions/manuscript_description_long_ms_no=208
 Image URL: http://parkerweb.stanford.edu/parker/actions/page.do?forward=page_turner&ms_no=208

2. Cambridge, Corpus Christi College, Parker Library, CCCC MS 544 Select

Digital Manuscript Index at Stanford: *Blacklight for MS*

Bassi-Veratti Collection x

bv.stanford.edu

STANFORD UNIVERSITY LIBRARIES

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Bassi-Veratti Collection

Home Collection highlights Background Content inventory About

Bassi-Veratti Collection

Search

Search

Limit your search

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- Location >
- Corporate name >
- Family name >
- Date >

COLLECTION HIGHLIGHTS

More highlights

About Laura Bassi
(5 Items)

Poems in honor of Laura Bassi
(9 Items)

Laura Bassi's awards and medals
(8 Items)

About the collection

The online Bassi-Veratti Collection is a multi-year collaboration of the Stanford University Libraries, the Biblioteca Comunale dell'Archiginnasio, Bologna, Italy, and the Istituto per i Beni Artistici, Culturali e Naturali della Regione Emilia-Romagna, to produce a digital version of the archive of the influential woman scientist, Laura Bassi. Part of the rich collections of the Archiginnasio, the collection contains not only materials about Laura Bassi, but also those of her husband, scientist Giuseppe Veratti, their children, and his family. [more »](#)

Collection overview

Bassi-Veratti at Stanford: *Blacklight* for EAD and digital

ROCK & ROLL HALL OF FAME LIBRARY & ARCHIVES

All Fields

hendrix



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Advanced Search

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Format

Archival Item	212
Book	135
Audio	47
Archival Collection	34
Video	18
Score	12
Theses/Dissertations	2
Website	1

Collection Name

Archival Material

Name

Subject

Genre

Event/Series

Publication Date

Language

You searched for: hendrix

← Previous | 1 - 10 of 461 | Next →

Sort by relevance

10 per page



1. Jimi Hendrix [electronic resource]

Format: Website

Online Resource: <http://www.jimihendrix.com>

Publisher: [S.l.] : Experience Hendrix, LLC, c1996-

Select All

Bookmark



2. Hendrix / by Victor Sampson

Copies Available

Author: Sampson, Victor

Format: Book

Publisher: London ; New York : Proteus ; Port Chester, N.Y. :
Distributed by Cherry Lane Books, 1984

Call Number: ML420.H46 S26 1984

Archival Collection: John Platt Collection

Bookmark



3. Jimi Hendrix / Alain Dister

Copies Available

Author: Dister, Alain

Format: Book

Bookmark



Search Archive

Browse Archive:

Categories

Collections and Series

All Records Within Results

Filters applied:

CATEGORY Arts x

Sort by

Records with media only

Displaying items 1 - 10 of 263

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FILTER RESULTS

CATEGORY

Arts

Architecture (9)

Cinema (81)

Dance (54)

Fine Arts (23)

General (60)

Music (63)

Photography (6)

Theater (55)

TOPIC

Dance (51)

Modern dance (40)

Video art (39)

African American musicians (34)

Civil rights (33)

Segregation (32)

Documentaries and factual works (23)

Interviews (23)

Drama (21)

Music--Performance (15)

more »

PEOPLE

WGBH Educational Foundation (263)



21

Summary In "21," Bill T. Jones performs a monologue and solo dance in a large dance studio with windows looking out onto the street. He tells us at the onset that some of his story will be fictitious. Two tales of sons leaving home are interwoven. In the first, Jones' oldest brother, "Boot," becomes a migrant worker. In the second, Jones himself leaves a liberal arts college to go to Amsterdam. Elements of these stories are repeated and reordered and they take on new meanings as a result... more

Date Created 1987

Media Video

Program New Television / New Television



9/23

Summary This episode of "Rockefeller Artists in Television" features "9/23," an early experimental work by Nam June Paik, while a Rockefeller Artist-in-Residence at WGBH, using the Paik-Abe video synthesizer.

"9/23." was never broadcast in its entirety, although segments of it were used in later Paik works, most notably "Video Commune." Additionally, footage may have been used in Paik's "Suite 212" and his work at the Museum of Modern Art (New York) Machine Age show... more

Date Created 1969

Program Rockefeller Artists in Television / 9/23




9 Variations on a Dance Theme

Summary A female dancer repeats a short dance theme nine times to a soundtrack of piano and flute. As she performs the theme, the dancer is shot from different angles to yield nine variations. The first variations are composed of longer shots that capture the body and movements of the dancer in full. These variations are accompanied by a soundtrack of slow-tempo piano. The later variations are composed of many shorter shots that capture the components of the dancer's body and movements... more




Digital Commonwealth (be X) <https://search.digitalcommonwealth.org> ☆ ☰

Digital Commonwealth  *beta*
Massachusetts Collections Online

Folders Sign Up / Log In


Collections Institutions Places About Contact





Women's Suffrage Hikers c.1912-1914
Framingham State University

Digital collections from libraries, museums, historical societies, and archives across Massachusetts

All Fields Search Q

 **Collections**
[Browse All Collections](#)

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About This Site

This repository provides access to digital collections belonging to members of Digital Commonwealth, a statewide consortium of libraries, museums, historical societies, and archives across Massachusetts.


This is a beta version; not all collections are available here. For more, go to the current [Digital Commonwealth](#) site.

[Learn more >>](#)

News & Announcements

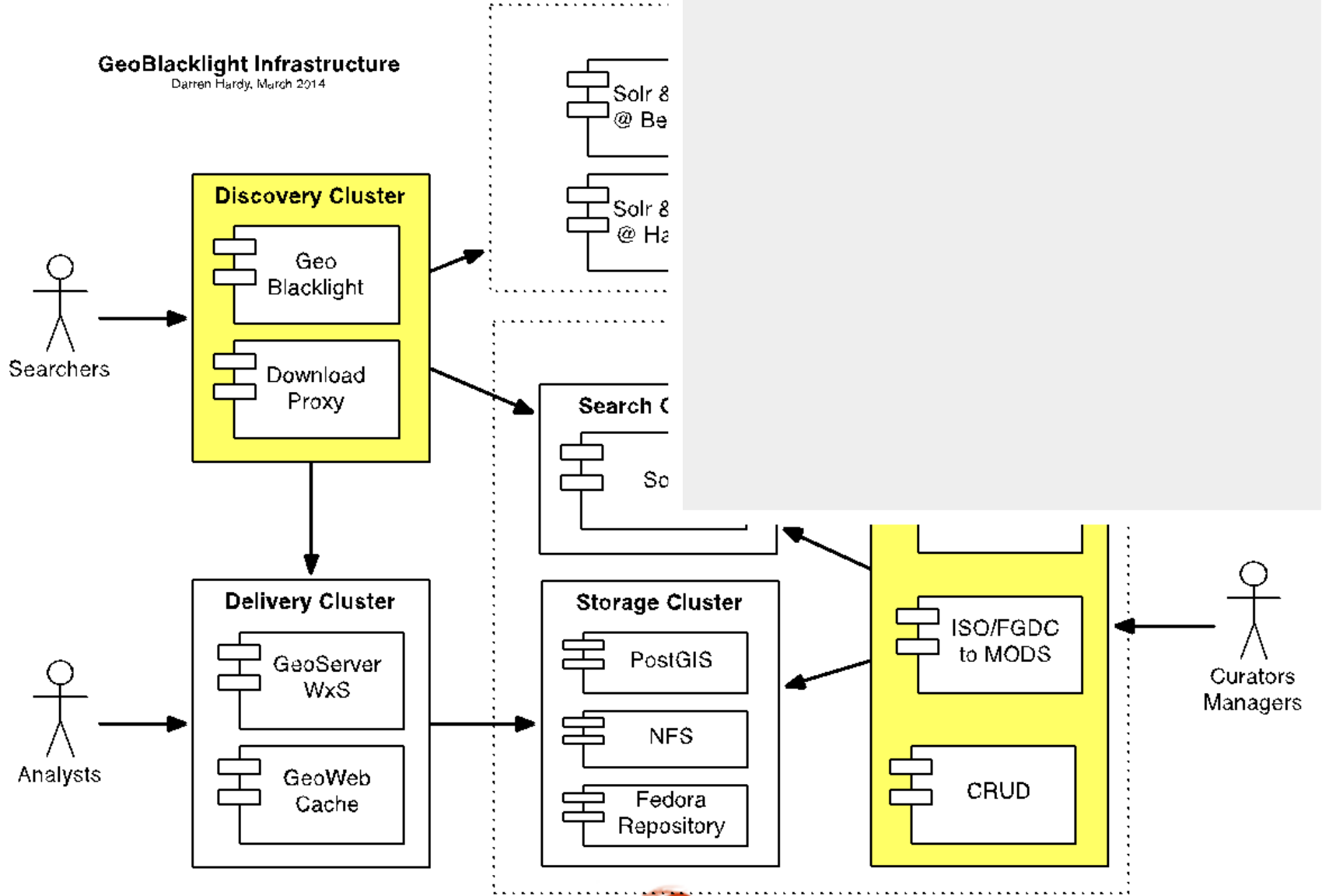
- [MBLC annual Legislative Meeting, September 12, 2013](#)
- [Elizabeth Hacala resigns from Digital Commonwealth](#)
- [Repository development at the BPL: September update](#)
- [Online Summaries about the recent Digital Preservation 2013 Meeting](#)

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Digital  [nyura](#) [Collections](#) [Institutions](#) [Places](#) [About](#) [Contact](#)

Digital Commonwealth at BPL: *Blacklight* for statewide repository

GeoBlacklight Infrastructure
Darren Hardy, March 2014



GeoBlacklight: *Blacklight for geospatial resources*

[More Exhibits ▾](#)

Maps of Africa: A Virtual Collection

A digital collection of African Maps at the Stanford University Libraries

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Stanford's Maps of Africa Collection became a major research resource in August of 2001 with the acquisition of the Oscar I. Norwich Collection of Maps of Africa and its islands, 1486 – ca. 1900. This acquisition added 316 maps to Stanford's existing holdings of Maps of Africa. The collection was once again augmented in 2010 with the purchase of 294 maps from Caroline Batchelor, and then again in 2011 with a small set of maps from Rodney Shirley. Altogether, the Maps of Africa Collection holds over 700 maps, 632 of which are searchable and viewable through Stanford's Image Gallery.



A Map of Africa
1793



The Lower Niger.



Cape Colony, Natal &c.



Africa from the latest Authorities
1806

Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Vestibulum tortor quam, feugiat vitae, ultricies eget, tempor sit amet, ante. Donec eu libero sit amet quam egestas semper. Aenean ultricies mi vitae est. Mauris placerat eleifend leo.



A New and Accurate Map of Africa.

Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Vestibulum tortor quam, feugiat vitae, ultricies eget, tempor sit amet, ante. Donec eu libero sit amet quam egestas semper. Aenean ultricies mi vitae est. Mauris placerat eleifend leo.

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The Hydra-Blacklight Way



Why Hydra?

- Need a flexible, rich, robust repository solution
- Be part of a community
 - Shared resources, shared risk, shared advances
- “We” is smarter than “me”
 - Especially in this crowd
- Control your own destiny
- Build institutional capacity
- Practice best practices
- The way work is getting done now



Breadth & Depth: Access, Mgmt & Pres

ETDs
(Theses)

Books,
Articles

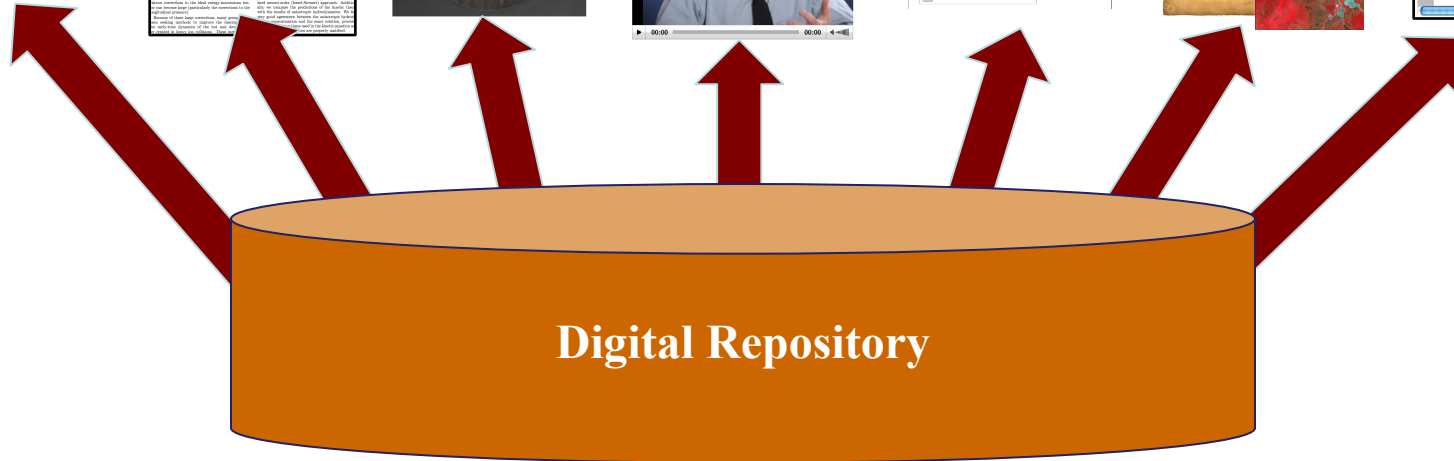
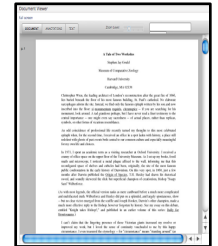
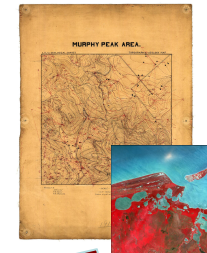
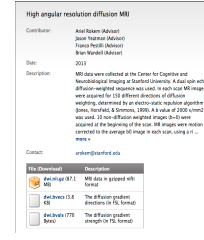
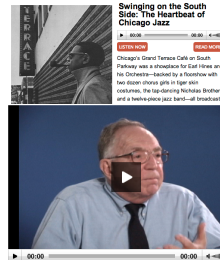
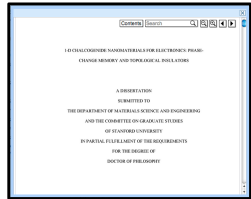
Images

Audio-
Visual

Research
Data

Maps
& GIS

Docu-
ments



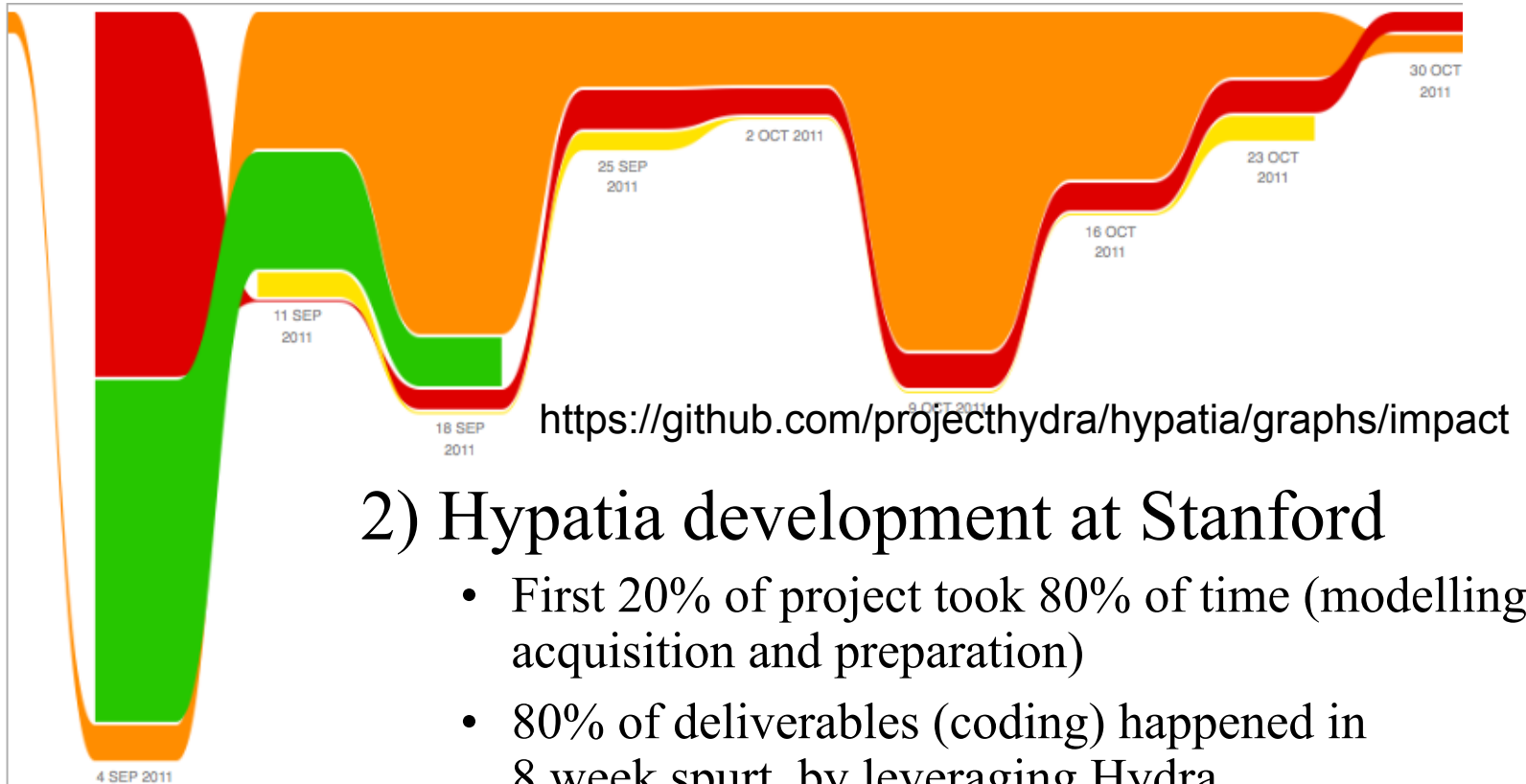
Digital Repository

Scalable, Robust, Shared
Management and
Preservation Services



If You Want To Go Fast ~~...go alone.~~
...use Hydra

1) Notre Dame deployed a video cataloging head in 6 weeks, from scratch



2) Hypatia development at Stanford

- First 20% of project took 80% of time (modelling, data acquisition and preparation)
- 80% of deliverables (coding) happened in 8 week spurt, by leveraging Hydra

Becoming a Hub

- Working Groups forming
 - Repository Managers
 - Archivists
 - Hydra RDF
 - Fedora...

- Jobs



Sustainability...

grants **abused**
No animals were harmed
in the making of this film.
project / community

- For institutions
Partners help shoulder the load
- For other projects
Post-project maintenance & governance
- For leveraging funders' investments
Adoption by growing user community



<http://projecthydra.org>

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