

STATE OF THE HYDRASPHERE



**Open Repositories 2013
Charlottetown, Prince Edward Island
July 11, 2013**

**Tom Cramer
@tcramer**



New Partners in the Last Year

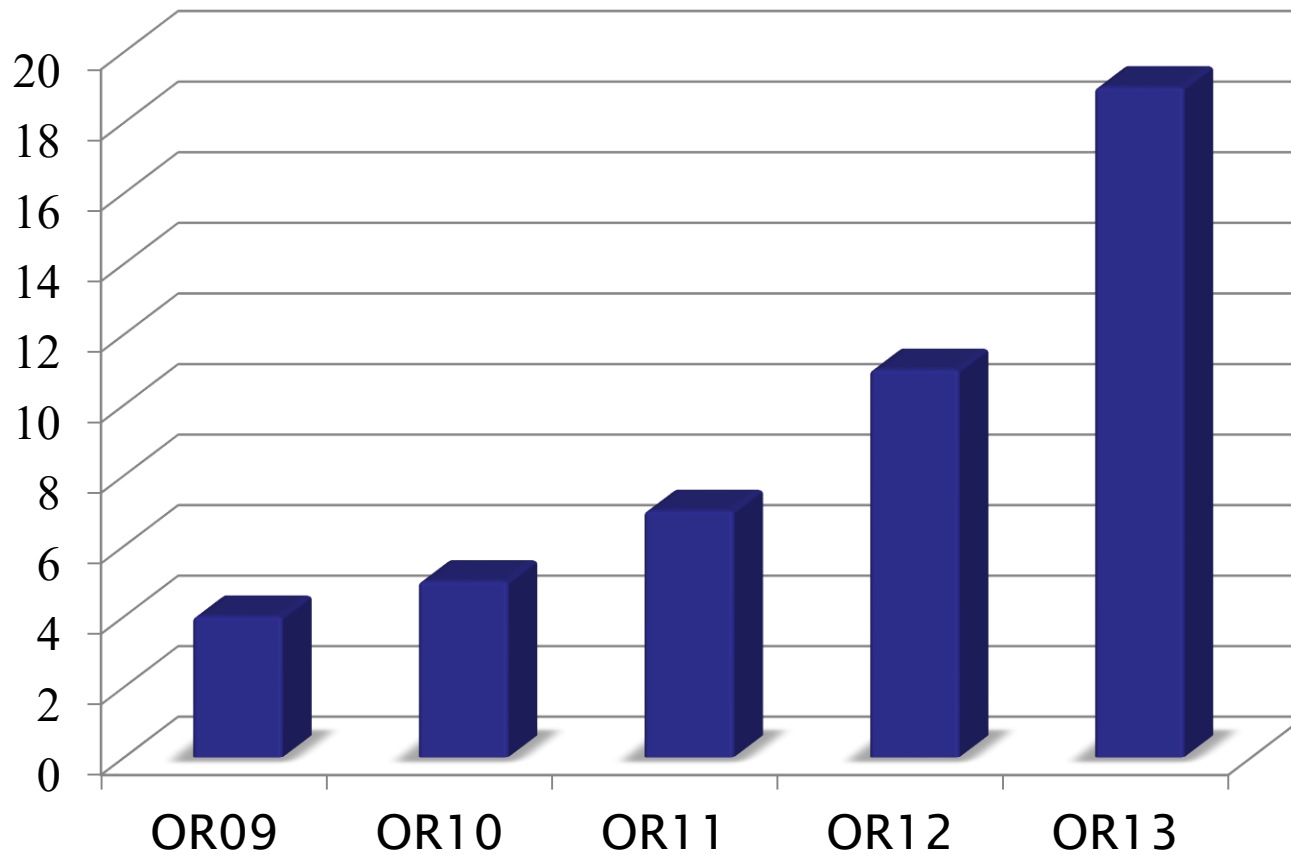
- Boston Public Library
- Digital Curation Experts
- Duke
- Indiana
- London School of Economics
- Notre Dame
- Penn State
- Rock & Roll Hall of Fame
- Royal Library of Denmark
- Virginia Tech
- WGBH
- Yale



Users-But-Not-(Yet?)-Partners

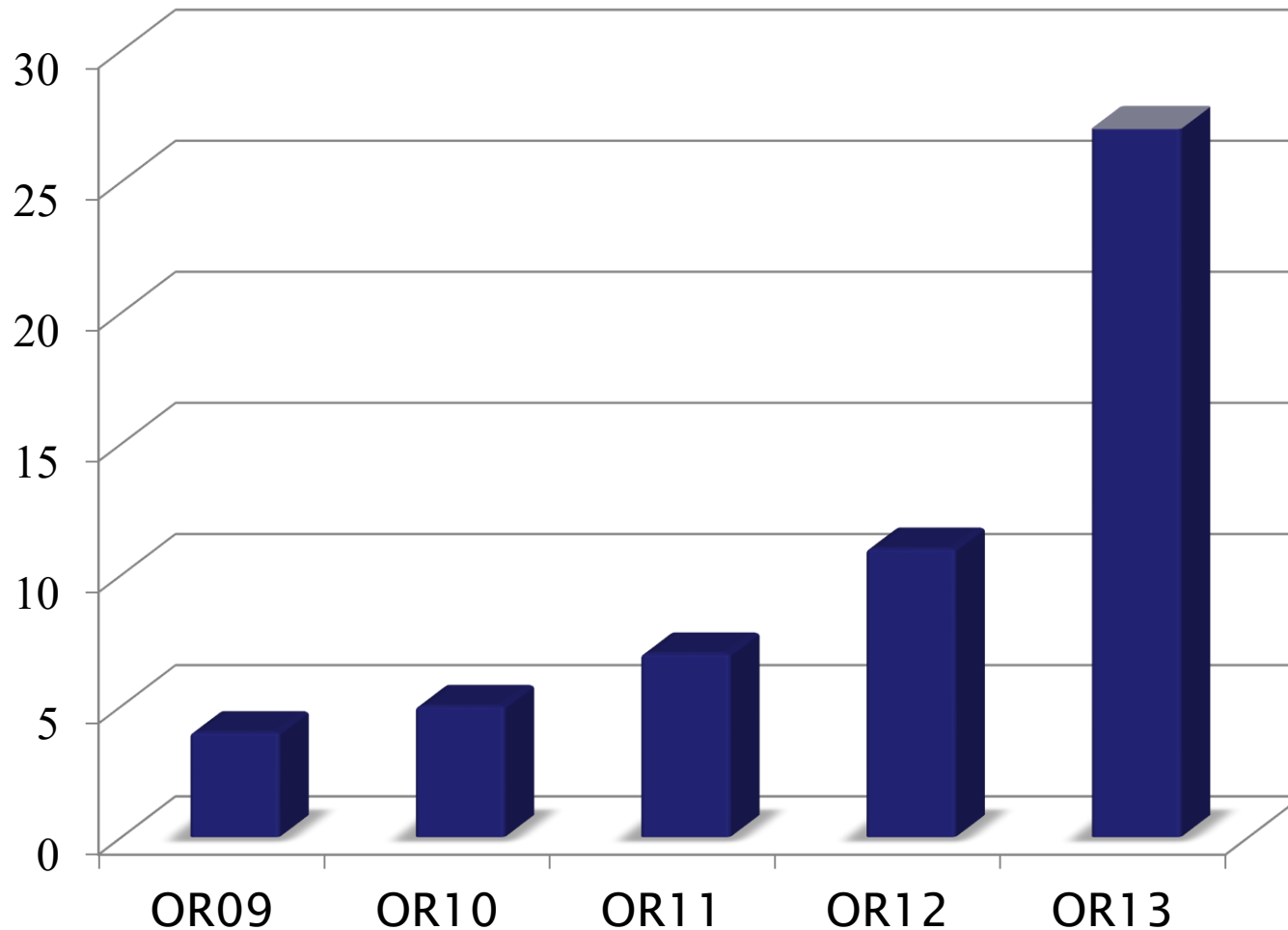
- UCSD
- University of Oregon / Oregon State
- Digital Repository of Ireland
- Oxford
- Tufts
- Johns Hopkins University
- Museum of Performing Arts (MAE),
Barcelona

Hydra Partners



OR = Open Repositories Conference

Hydra Partners *and Users*



OR = Open Repositories Conference



UC San Diego, 2012



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

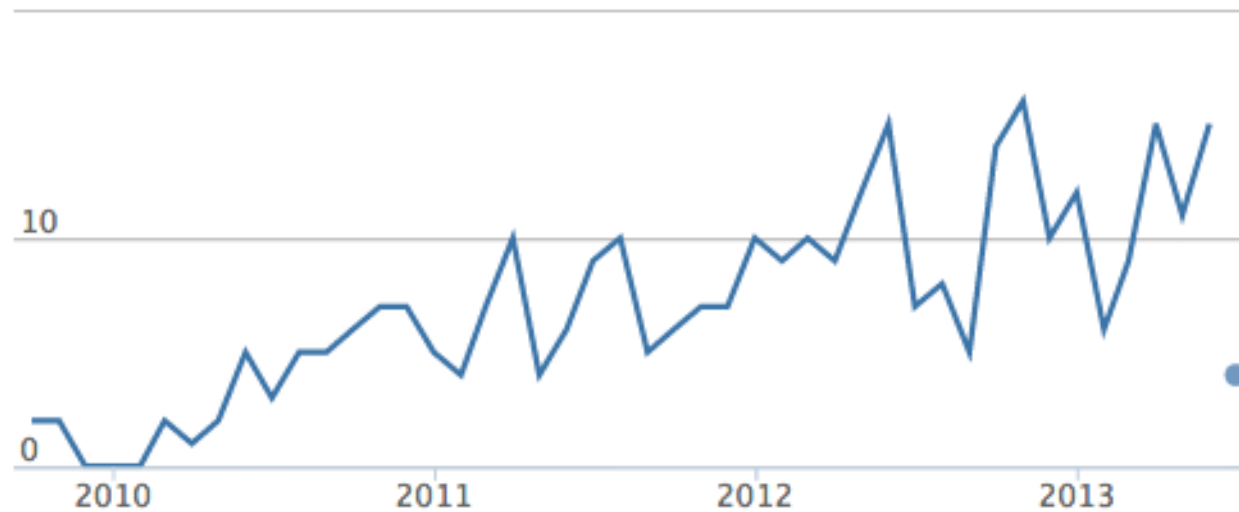
... took an estimated 15 years of effort (COCOMO model) starting with its first commit in October, 2009 ending with its most recent commit 6 days ago

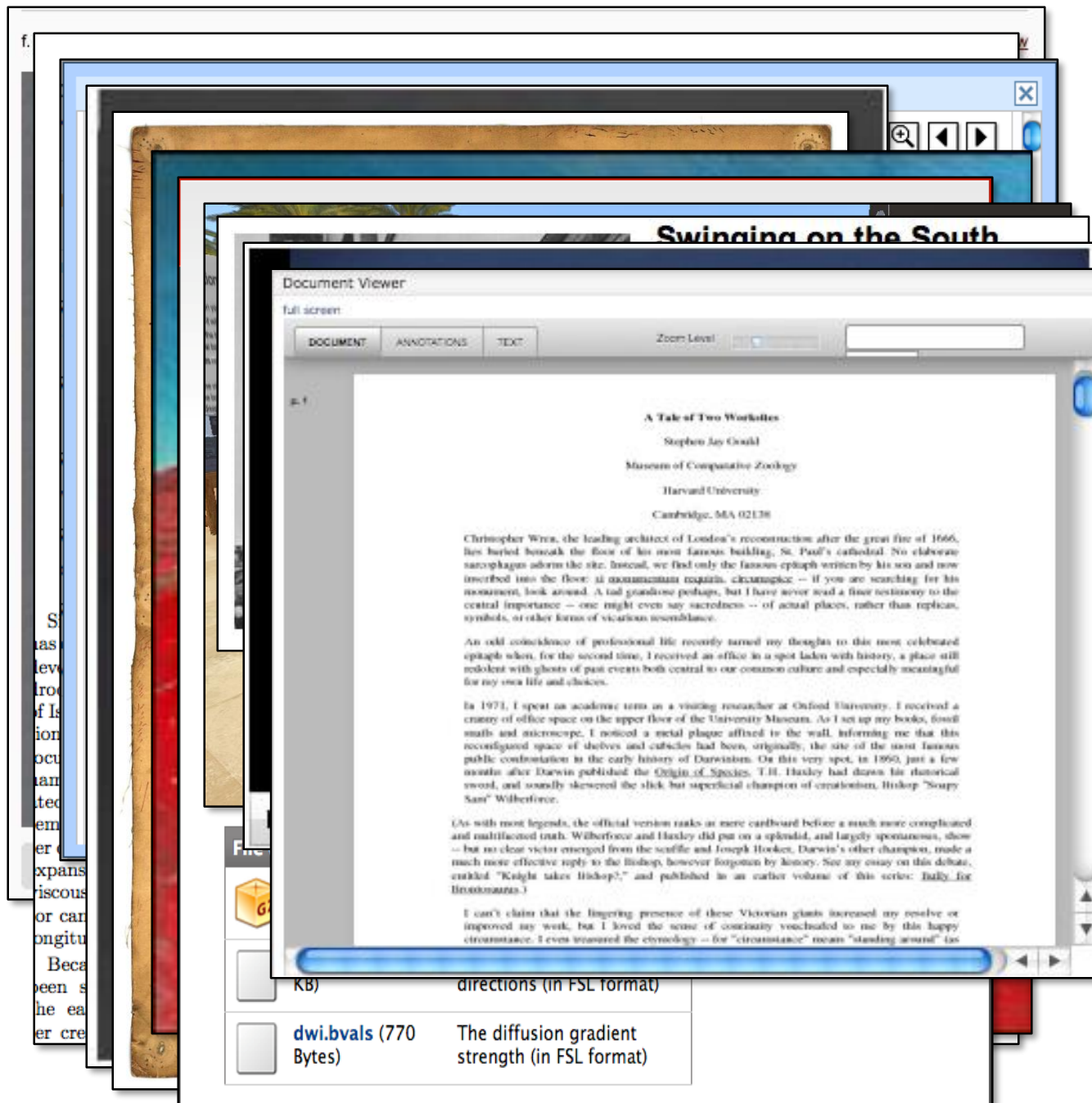


Trending



Contributors per Month





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

Point Solution Approach ...Welcome to Siloville

ETDs
(Theses)

Books,
Articles

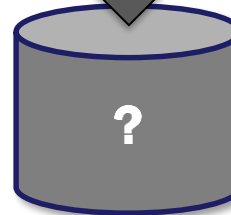
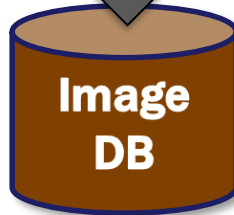
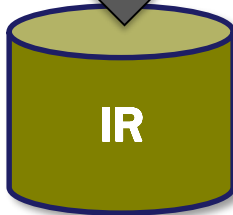
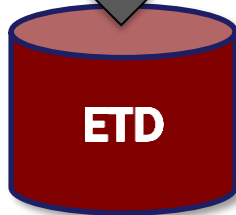
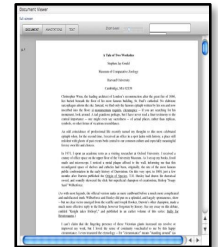
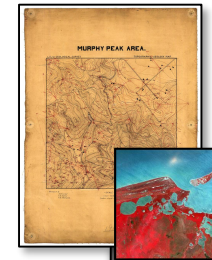
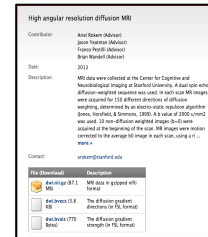
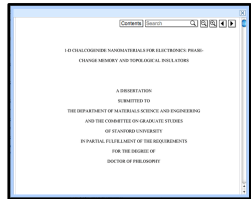
Images

Audio-
Visual

Research
Data

Maps
& GIS

Docu-
ments



Management

Access

Preservation?

Tailored?

Sustainable?



Repository-Powered Approach

ETDs
(Theses)

Books,
Articles

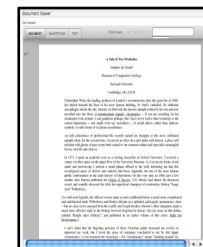
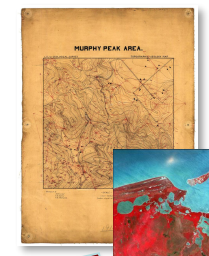
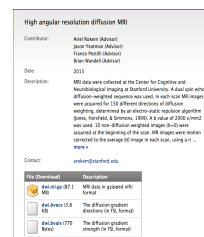
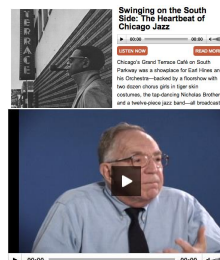
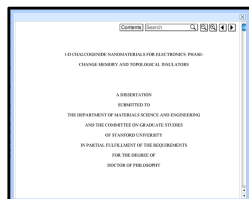
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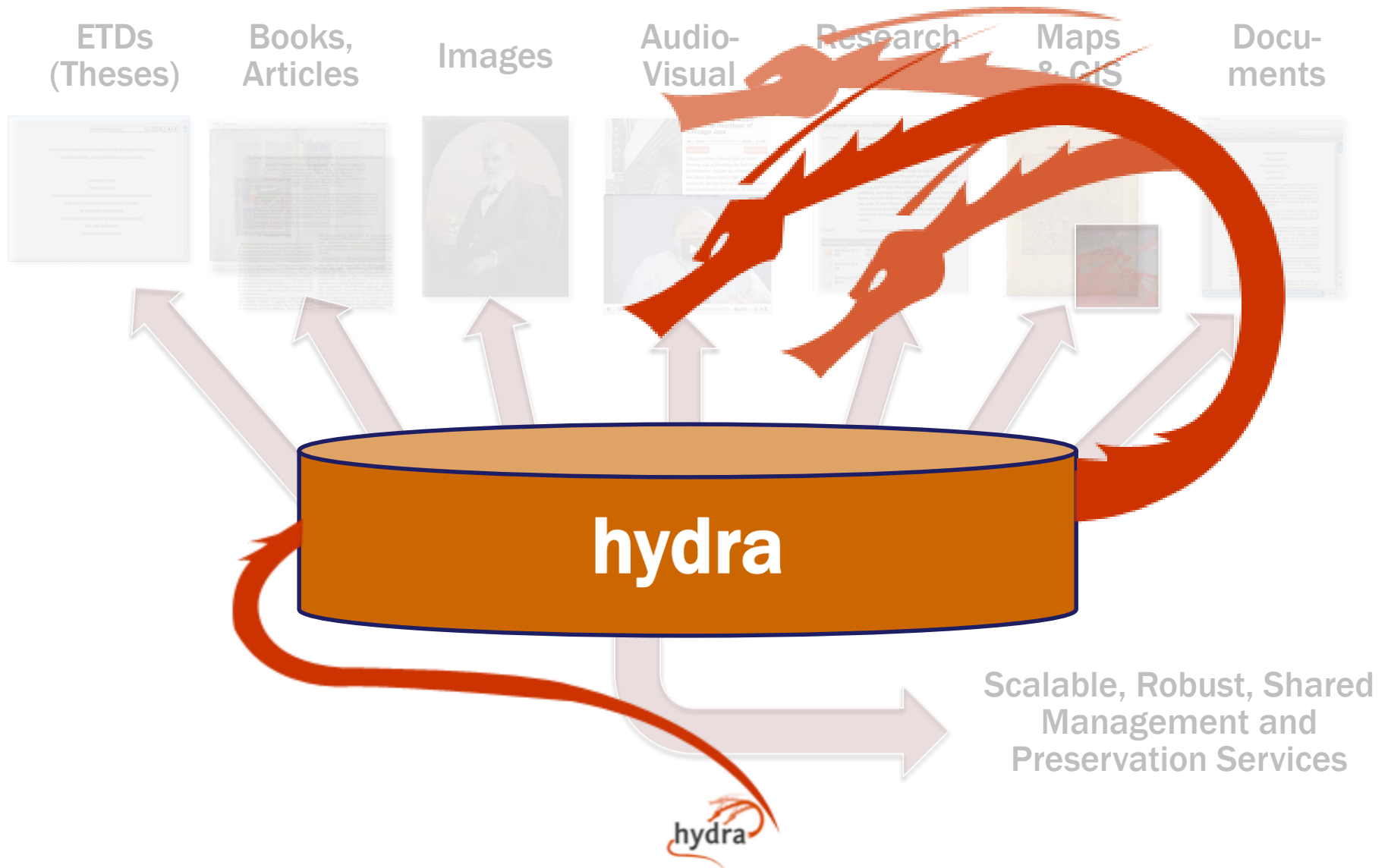


Digital Repository

Scalable, Robust, Shared
Management and
Preservation Services

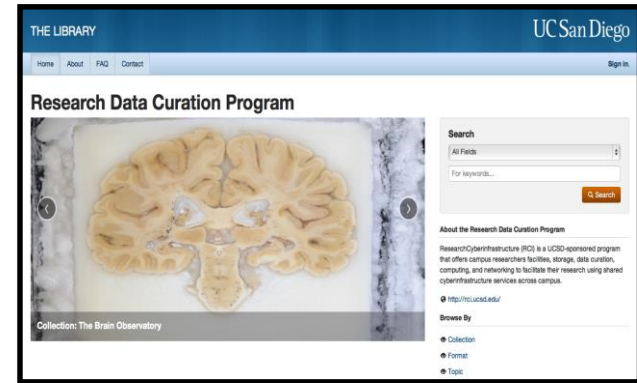


One Body, Many Heads...

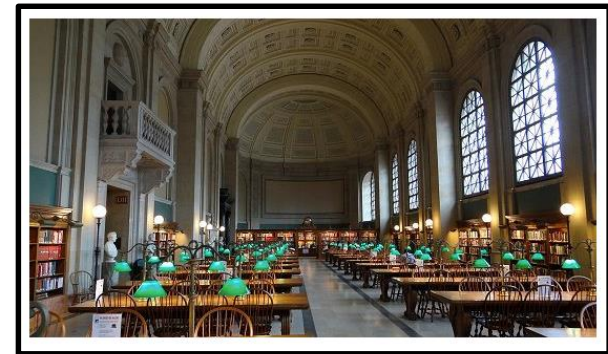




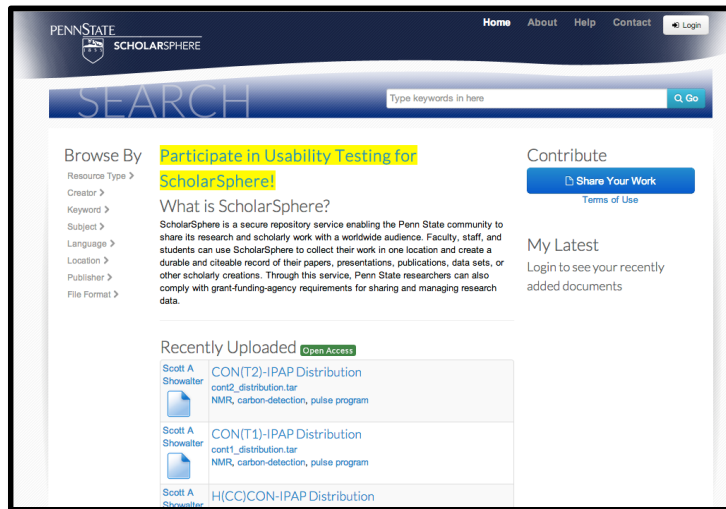
Avalon & HydraDAM for Media



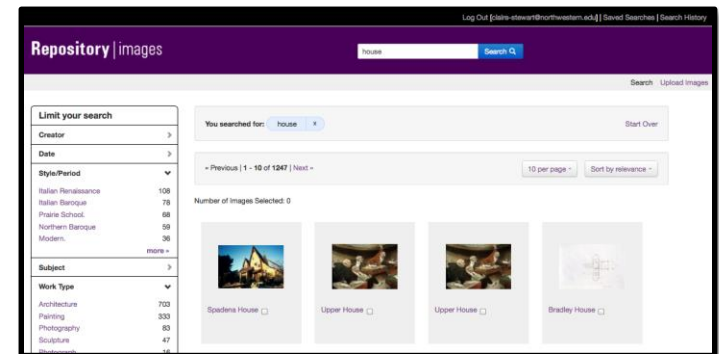
UCSD DAMS



BPL Digital Commonwealth



Sufia



Digital Image Library

Current State of Hydra

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



Three critical priorities

- Technical framework continue to advance to enable easy code sharing and reuse
- Community framework evolves to accommodate growth in...
 - Number of partners
 - Geographic range
 - Diversity of interests and capacity
- Create a full suite of solution bundles



Seven 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



Solution Bundles

IR Head with DSpace
Equivalence by OR14



Training

Hydra Camps:

- ☒ October 2012 in PSU
- ☒ December 2012 in Yale
- ☒ April 2013 in Dublin, Ireland
- ☐ August 2013 in Charlottesville, VA
- ☐ Sept/October 2013 in Ohio



Documentation

- Consolidate
- Prune



Community Framework

- Users, Partners, Steering
- Meetings



Technical Framework

- Code Shredding & Gemification
- Hydra Gem = stable distro



First Ever Hydra Awards

- The Fleece Vest
- Most Danish Award
- Most Danish Award



The Fleece Vest

**for the Partner demonstrating the greatest
concern for practicality, with an iconoclastic flair**

David Chandek-Stark!



Most Danish
for the Partner demonstrating the
most Danish temperament and traits,*
selected by a panel of experts.

Matt Zumwælt!

(*All Danes exempt from consideration.)



**Most Danish
for the Partner demonstrating
the greatest Dan-ness**

- 1. Dan “of the Dans” Coughlin**
- 2. Dan Brubaker-Horst**
- 3. D*n Brower**
- 4. DeclAN Fleming**





<http://projecthydra.org>