



**Worldwide Hydra Connect #2**  
**September 30 – October 2, 2014**  
**Cleveland, Ohio**

**#hydraConnect**

**This is not a conference**

**...it's a Connect.**



# What is Hydra Connect?

*Hydra Connect is a chance for Hydra Project participants to gather in one place at one time, with an emphasis on synchronizing efforts, technical development, plans, and community links.*



# Contents and Structure

- training opportunities for developers and managers
- demonstrations & lightning talks
- introductions & matchmaking
- (lots of) unstructured times / open room format for...
  - coordinated development
  - taking action on strategic plan items
  - documentation updates
  - investigating patterns



**How does**



**work?**

# State of the HydraSphere

## September, 2014



# Hydra Goals – 2008

## 1. Build a framework for repository-powered applications, with

- multiple, tailored UIs, and a
- robust repository back end

➤ *One body, many heads*

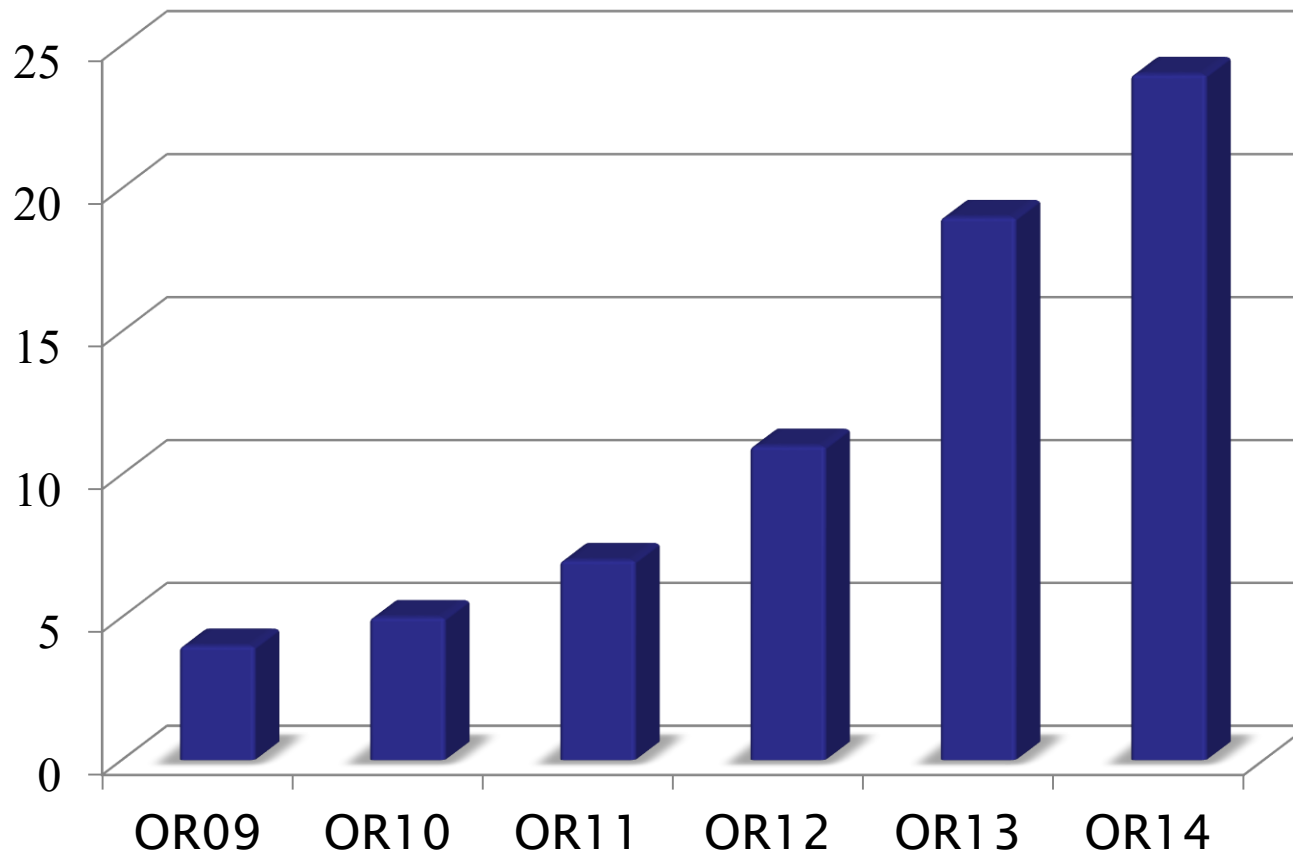
## 2. Build a set of solution bundles

## 3. Build a community

➤ *If you want to go fast, go alone.  
If you want to go far, go together.*



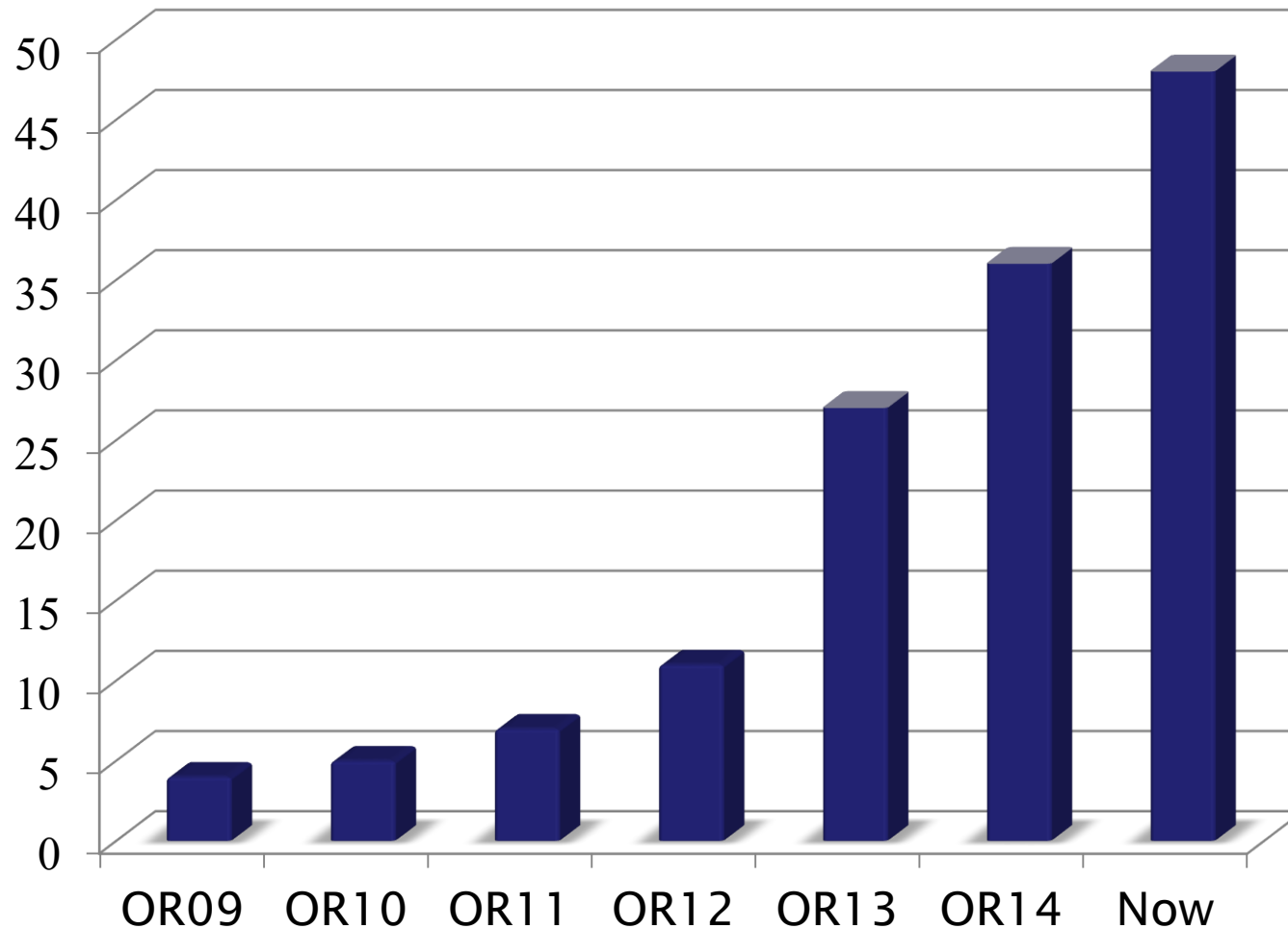
# Hydra Partners



*OR = Open Repositories Conference*



# Hydra Partners *and Known Users*



*OR = Open Repositories Conference*

# A Worldwide Presence



# Trending

## In a Nutshell, Project Hydra...

... has had 9,623 commits made by 78 contributors representing 67,625 lines of code

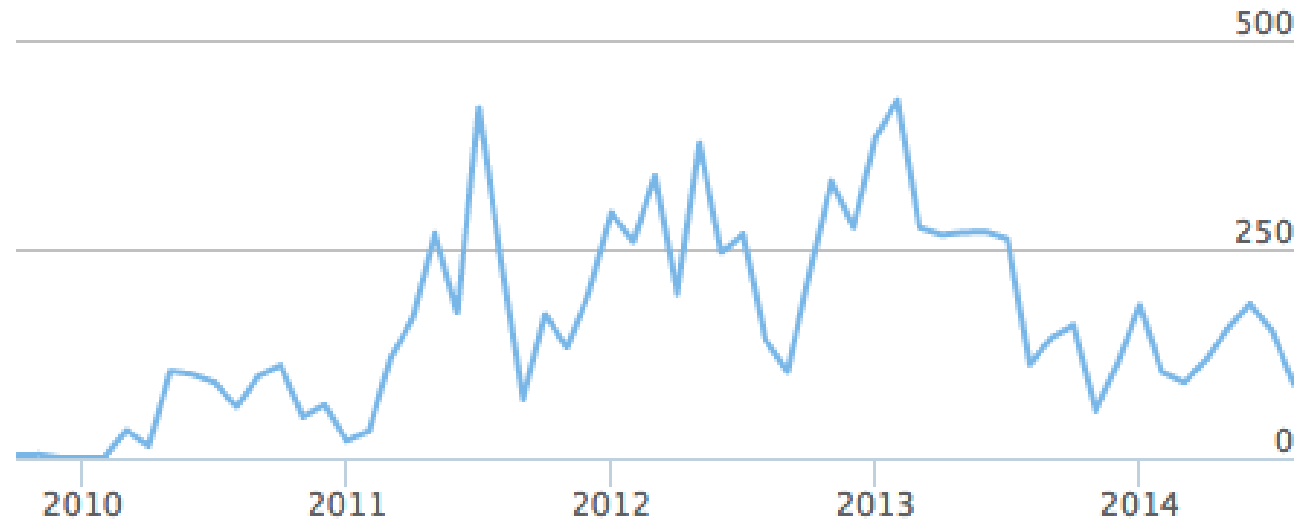
... has a codebase with a long source history maintained by a very large development team with decreasing Y-O-Y commits

... took an estimated 17 years of effort (COCOMO model) starting with its first commit in October, 2009 ending with its most recent commit 9 days ago

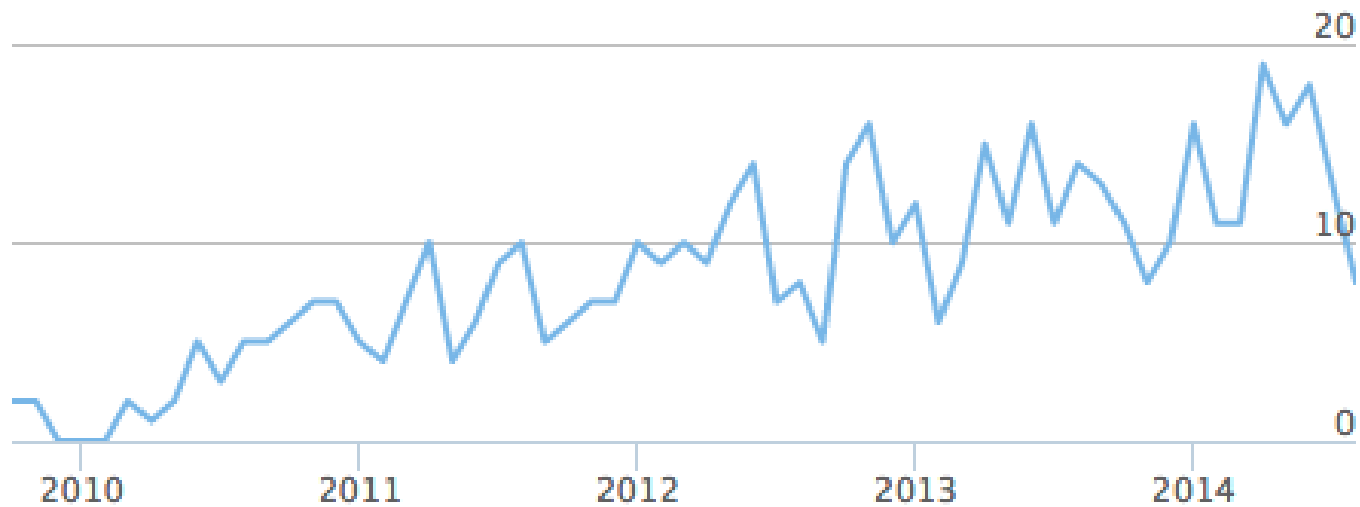


# Trending

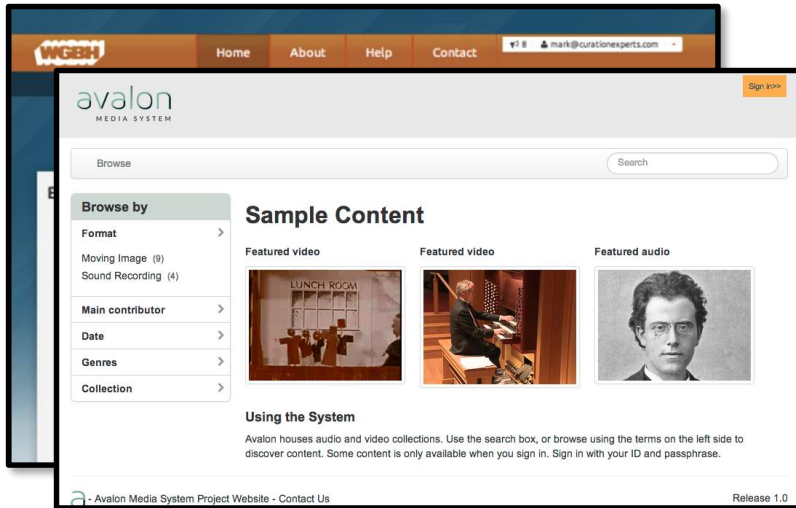
Commits per Month



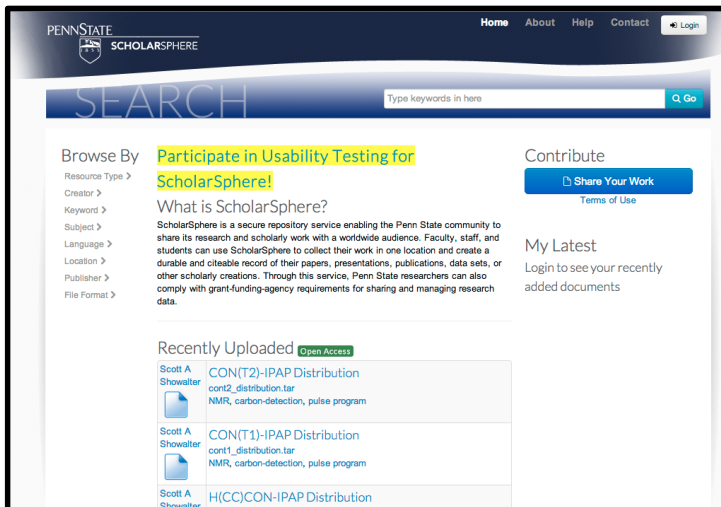
Contributors per Month



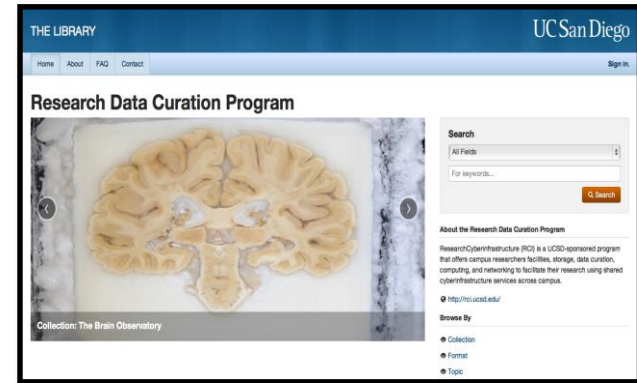
# Hydra Heads of Note



## Avalon & HydraDAM for Media



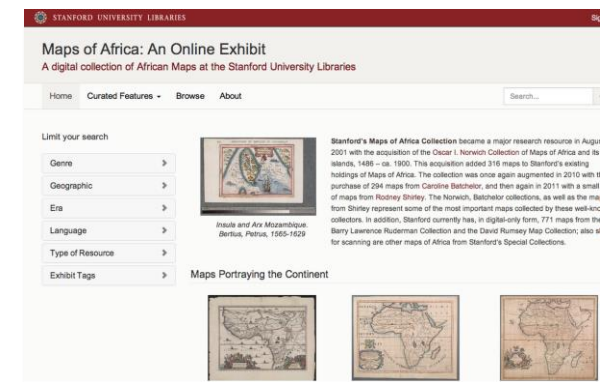
## Sufia



## UCSD DAMS



## BPL Digital Commonwealth



## Spotlight



# Current State of Hydra

- Doubled in size, four times, since its founding
- Achieved its original goals\*
- Entering a new phase
  - New opportunities
  - New needs: media, research data, et al.
- Arguably the epitome of a vibrant, successful, open source project in libraries
  - For what we make
  - For *how* we make it



# What Did We Get Right?

- **Objectives:** one body, many heads
- **Platforms:** RoR and Fedora
- **Architecture:** loosely coupled components, repository as an ecosystem
- **Methodology:** agile, test driven, face time
- **Culture:** a goal-oriented, welcoming, learning, with shared purpose
- **Priority:** the community



# Three critical priorities from 2012

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





# ~~Seven~~ *Eight* strategic priorities

1. Solution bundles
2. Turnkey applications
3. Vendor ecosystem
4. Training
5. Documentation
6. Code sharing
7. Community ties
8. *Grow the User base*



# **“Power Steering” Must Do’s – April 2014**

## **Technical**

**Make Hydra  
easier to adopt,  
share & maintain**

- Solution bundles
- Shared code

**Advance the  
platform**

- Fedora 4
- Core gems
- RDF

## **Community**

**Grow!**

- Partners & users
- Interest, Working & Regional Groups

**Build the center**

- More intensive collaboration
- Project admin?



<http://projecthydra.org>