

# UVA and Open Source Repositories Retrospective 2017



*from singular repository to modular services*

Ellen Catz Ramsey, University of Virginia, [ellen@virginia.edu](mailto:ellen@virginia.edu)

# 1997-2007

## A little history...

- Flexible Extensible Digital Object Repository Architecture [born at Cornell](#) (1997-98)
- First [Mellon Fedora Project grant](#) to Cornell and UVA; Fedora “alpha testbed” at UVA (2001)
- Fedora 1.0 public release, [UVA instance](#) (2003)
- Second Mellon grant (2004)
- Fedora 2.0 public release (2005)
- [Fedora Commons](#) funded by Moore Foundation; [Blacklight](#) at UVA (2007)

# 2008

Institutional repositories are good, we should have one at UVA.

- Adopt: DSpace | Digital Commons | Sakai | Greenstone | Eprints | iTunes U | CDSWare
- Extend: UVA Library Digital Collections Repository (Fedora)
- Build: locally-developed, custom application 🔔

Meanwhile, in the Open Source Community...

- [Project Hydra formed](#)
- [Fedora turns 10](#) (Fedora 3.0)

# 2009

Open Access is good, we should have some at UVA.


- [MIT](#) Open Access Policy passes
- UVA Faculty Senate discusses OA 

Meanwhile, in the Open Source Community...

- Fedora Commons + DSpace Foundation = DuraSpace

# 2010

UVA Open Access “[Resolution](#)” rationale for “Libra” Institutional Repository

- We (and MediaShelf) built Libra as Hydra head on our existing Fedora structure 

Meanwhile, in the community...

- “build your own Hydra head” was a thing
- Hydrangea came and went

# 2011

Libra begins taking deposits of


- Open scholarship
- “small data”
- Student scholarship (ETDs) 

Meanwhile, in the community...

- ETDs were “low-hanging fruit” for open access

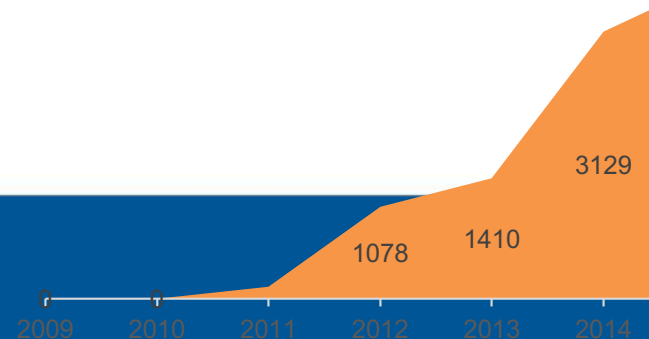
# 2012-2014

Libra now boasts

- Graduate theses and dissertations (ETDs) as a degree-granting requirement
- Not much faculty scholarship or open data
- A quickly aging codebase (and legacy Fedora) 

Meanwhile, in the community...

- Fedora 4.0 public release
- “Hydramata” came and went



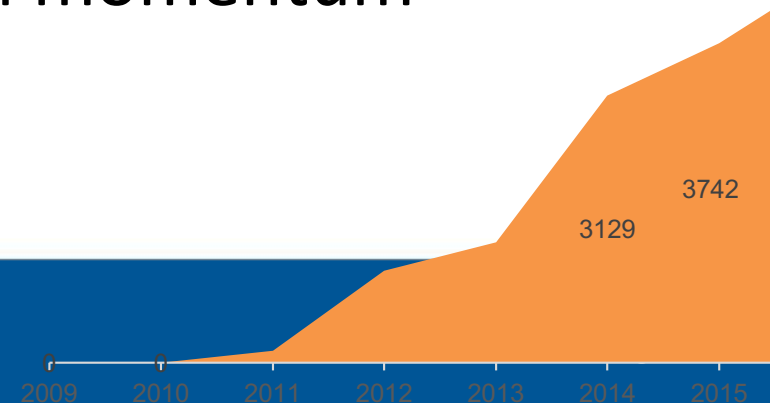
# 2015

Repositories are getting better, UVA has now outgrown the single container model.

- ETDs need a more stable UX
- Data and Open need to attract self-deposit content 🔔

Meanwhile, in the community...

- Scholarsphere and NDCurate gain momentum
- Fedora 4 adoption grows





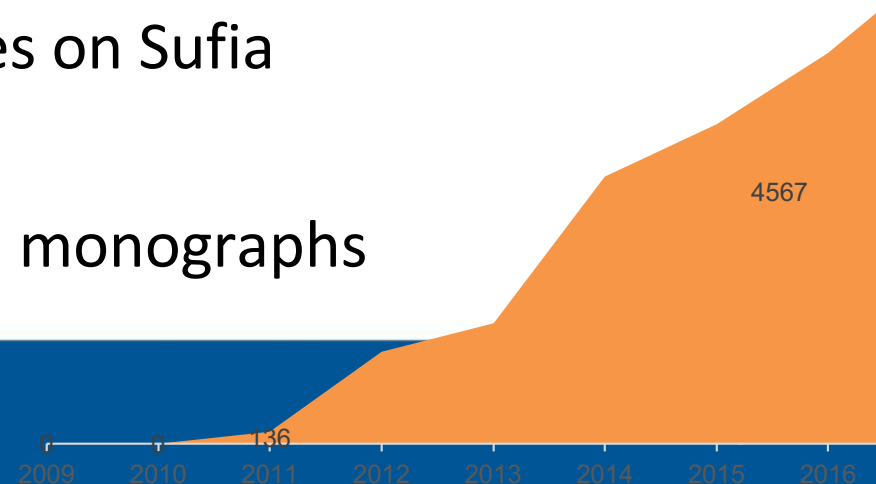
# 2016

Libra repository goes modular

- LibraETD launches (Sufia)
- LibraData launches (Dataverse)
- Discovery via single Blacklight instance (Virgo)

Meanwhile, in the community...

- PSU's Scholarsphere -> Sufia, NDCurate -> CurationConcerns
- Michigan's Deep Blue Data launches on Sufia
- SSRN acquired by Elsevier
- Mellon funds Hydra-in-a-Box, open monographs



# 2017

Libra repository gets even more modular

- LibraOpen launches (Sufia)
- ORCID integration
- DOI generation

Meanwhile, in the community...

- NDCurate and Sufia merge: Hyrax
- Bepress alternatives sought, Hyku?
- Open publishing: Fulcrum, Luminos



# 2018

## Scholarly Repository Services includes Open Publishing

- Ubiquity press is pilot module (overlay of OJS)
- Libra migrates to Hyrax

Meanwhile, in the community...

- Hydra became Samvera
- Hyrax and Hyku merge
- Cincinnati, Michigan, more -> Hyrax

# Culture Shifts

- All-in-one repository -> modular, replaceable components under single search
- Epic/story model -> agile development
- Partners are “just altruistic enough” to keep with open source community while getting local benefits
- Management focus added to Hydra community (e.g. Repository Managers IG, “agile production”)
- Recognition of both costs & benefits of open source software and communities

# Resources

- Johnston, Leslie. *FEDORA Digital Repository Implementation at UVa--How, Why, and What We're Doing with It*. 2003, <http://old.diglib.org/forums/spring2003/presentations/johnston-2003-06.pdf>.
- Cartolano, Robert T. *History of Blacklight*. 2015. [academiccommons.columbia.edu](https://academiccommons.columbia.edu), <https://academiccommons.columbia.edu/catalog/ac:192805>.
- Johnston, Leslie, et al. *Institutional Repository Planning Team Report*. unpublished report, University of Virginia, 18 Mar. 2008.
- *Hydrangea - Hydra - DuraSpace Wiki*. <https://wiki.duraspace.org/display/hydra/Hydrangea>. Accessed 8 Dec. 2017.
- “University of California Press and California Digital Library Partner with Collaborative Knowledge Foundation to Build Open Source Monograph Publishing Platform.” *Office of Scholarly Communication*, 22 Apr. 2016, <http://osc.universityofcalifornia.edu/2016/04/ucpress-and-cdl-to-partner-with-collaborative-knowledge-foundation-to-build-open-source-monograph-publishing-platform/>.
- *Platform for Management of Monographic Source Materials : University of Michigan | The Andrew W. Mellon Foundation*. <https://www.mellon.org/grants/grants-database/grants/university-of-michigan/11500643/>. Accessed 8 Dec. 2017.
- *V28 #3 Monograph Publishing in the Digital Age*. <http://www.against-the-grain.com/2016/07/v28-3-monograph-publishing-in-the-digital-age-a-view-from-the-mellon-foundation/>. Accessed 8 Dec. 2017.

## Scholarly Repository Services

Data

Library Publishing

ETD

Software/  
New Forms

Traditional IR  
Content

Discovery & Dissemination