



**Making repositories part of your
digital strategy: experience from the
Samvera Community**

**Monday, June 7
Open Repositories 2021**

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samvera



To cover

- To start with you (5 mins)
- Digital repositories - a key component of our digital strategy (10 mins)
 - The role and value of our repositories and digital collections for our libraries
- Samvera experience and Vision (10 mins)
- Use cases (15 mins)
- [Over to you](#) - Strategic drivers (10 mins)
- [Over to you](#) - Meeting needs with existing solution options (10 mins)
- Meeting strategic needs with repositories (15 mins)
 - Community - engagement and participation
 - Technology - platform, product, and toolset
 - People - connecting the library's activities and skills
- Takeaways (5 mins)
- Q&A (10 mins)



To start with you

Let's start with a poll!

- **1. Where are you joining us from?**
- **2. How are you feeling about today?**
- **3. When I say **DIGITAL**, you think of...?**

Digital strategy



“Digital strategy looks for ways to use technology to transform activity, and therefore business ... IT strategy aims to transform technology in isolation from the rest of the business”

(<https://www.liferay.com/resources/l/digital-strategy>)

So what is our business?

“To move users along a path from awareness, to discovery, to use”

(<https://www.loc.gov/digital-strategy/>)

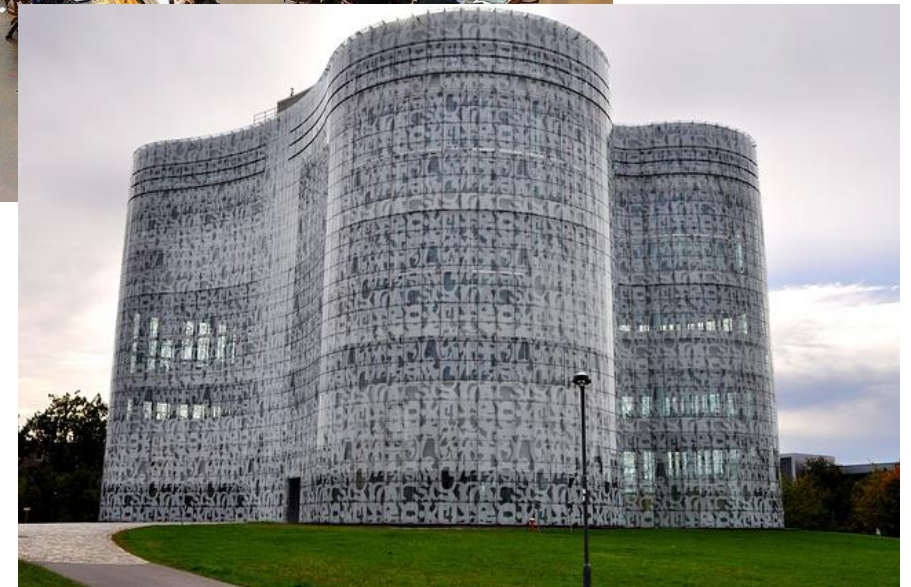
The role and value of repositories and digital content collections



Our libraries hold physical and digital content collections



We carefully build structures to house our physical collections



What infrastructures do we need for our digital collections?

Samvera timeline



2008 - Community formed (as Hydra Project) to develop toolset over Fedora

2010 - First software commit

2011 - First production rollouts (local solutions, common toolset)

2012 - Partnership formed

2013 - First release of Avalon and Sufia (packaged toolsets)

2014 - First Samvera Connect conference

2017 - Hydra becomes Samvera, Hyrax and Hyku released

2018-2021 - Maturing of community (ITAV) and products

➤ Focus on enabling 'roll your own' or packaged solutions, to suit need



Samvera Community structure

- ★ Partners (institutional)
 - Formally committed institutional membership
- ★ Board of Directors (elected by Partners)
 - Stewards of the project - individual membership
 - Nine members, serving overlapping 3-year terms
- ★ Roadmaps Alignment Group
 - Oversight of individual components and their roadmaps, to ensure alignment
- ★ Working & Interest Groups
 - Topically aligned groups that span organizations & roles
- ★ Developer community
 - Committers
 - Community adopters



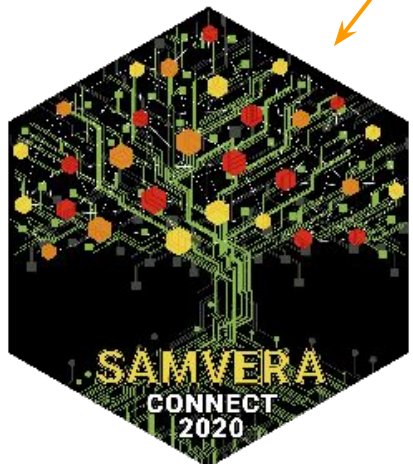
Why did we do this?

- Recognised common need across different institutions
- Build a platform that allows for flexible localised requirements, standalone or in the cloud
- Working together to sustain our solutions
- Helping each other to learn about and take advantage of technical innovations



Samvera vision

Samvera™ is a vibrant and welcoming community of information and technology professionals who share challenges, build expertise, and create sustainable, best-in-class solutions, making the world's digital collections accessible now and into the future.



If you want to go far, go together!

Hyrax
Hyku
Avalon

FAQ /
case studies



Hyrax



hyku

avalon
MEDIA SYSTEM



Samvera Partners



Boston Public Library

Columbia University

Cornell University

CoSector, University of London

Data Curation Experts

Digital Repository of Ireland

Duke University

Emory University

Indiana University

Lafayette College

Northwestern University

Notch8

Oregon State University

Penn State University

Princeton University Library

Stanford University

Tufts University

Ubiquity Press

University of California, Santa Barbara

University of California, San Diego

University of Cincinnati

University of Houston

University of Hull

University of Michigan

University of Notre Dame

University of Oregon

University of Utah

University of Virginia

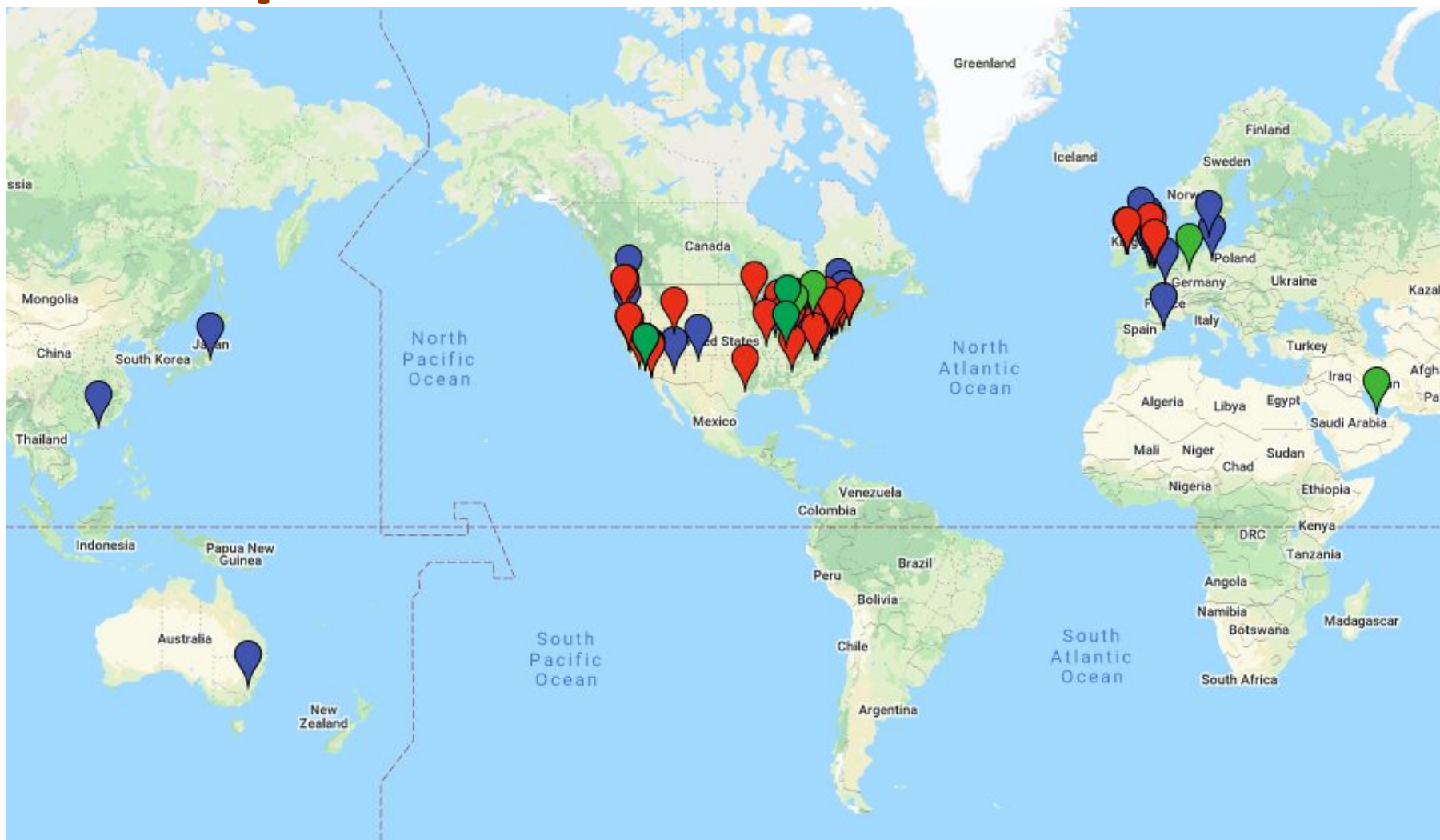
University of York

Washington University in St Louis

WGBH Boston

Yale University

Adoption far and wide



- ❖ Large Universities
- ❖ Small Universities
- ❖ Colleges
- ❖ Public Broadcasting
- ❖ Government Ministry
- ❖ National Libraries
- ❖ National Lab
- ❖ Small Research Labs
- ❖ National Digital Repository
- ❖ Statewide Digital Libraries
- ❖ Science History Institute
- ❖ Museum of Performing Arts
- ❖ A Shakespeare Festival

If you want to go far, go together!

Islandora



- Drupal frontend to Fedora
- Packaged solution sets approach, covering multiple content types
- Strong community, with a range of Interest Groups
- Global implementation coverage

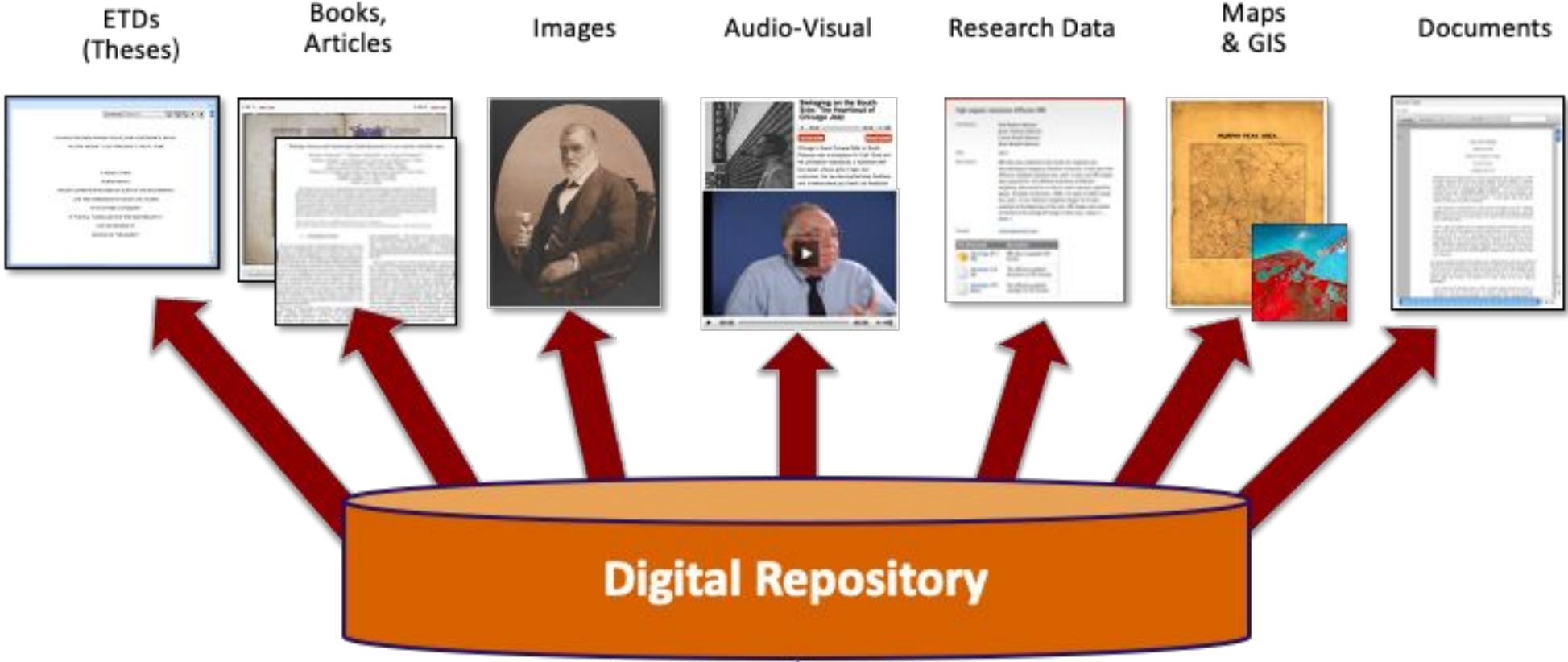


DSpace



- Out of the box repository solution approach
- From the website:
 1. Focus on the Institutional Repository use case.
 2. Be lean, agile, and flexible.
 3. Be easy and simple to install and operate.
 4. Include a core set of functionality that can be extended to or integrated with complementary services and tools in the larger scholarly ecosystem

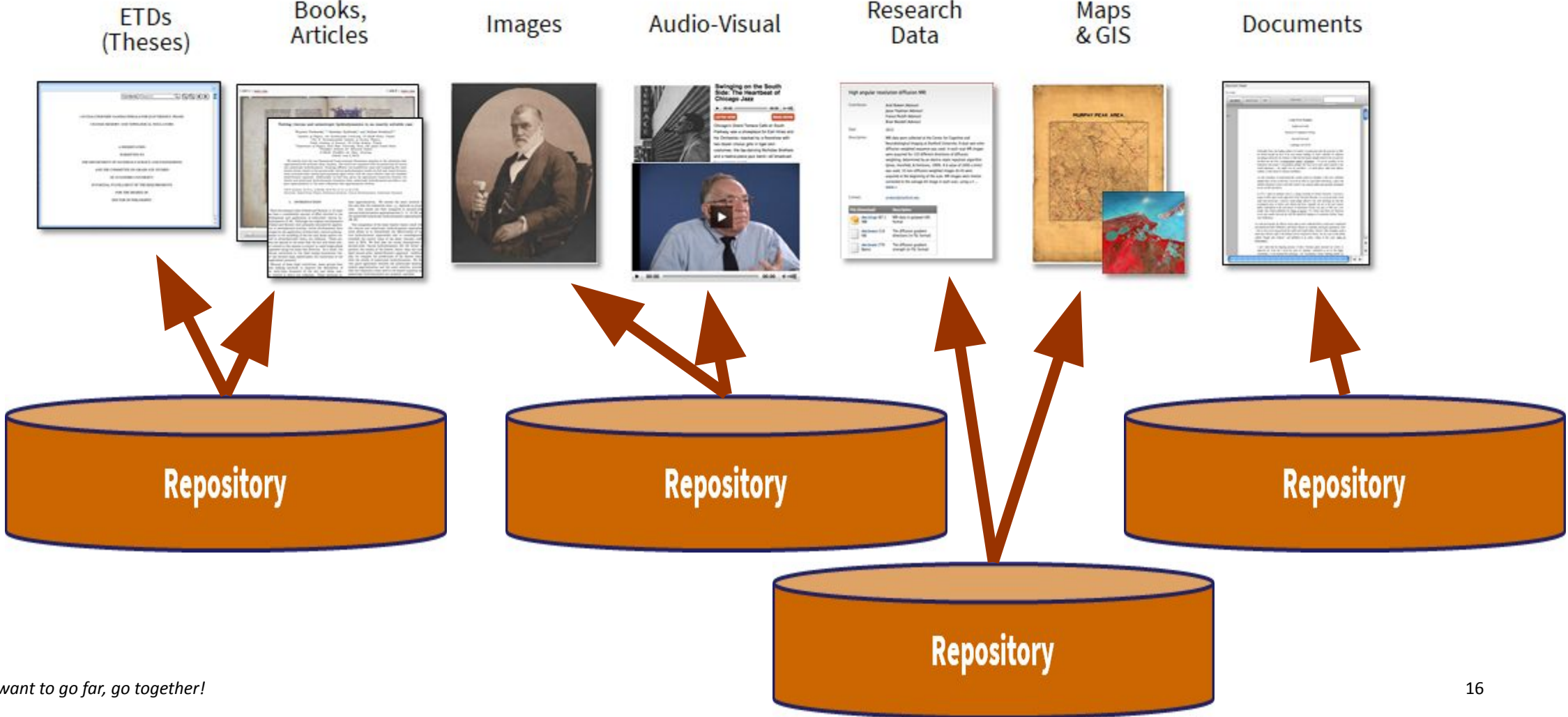
Multiple use cases and approaches



Scalable, Robust, Shared
Management
and Preservation Services

If you want to go far, go together!

Multiple use cases and approaches



If you want to go far, go together!



Our use cases

Different approaches

- University of Hull (Chris Awre)
- GBH (Karen Cariani)
- University of Michigan (Nabeela Jaffer)

University of Hull - Hydra

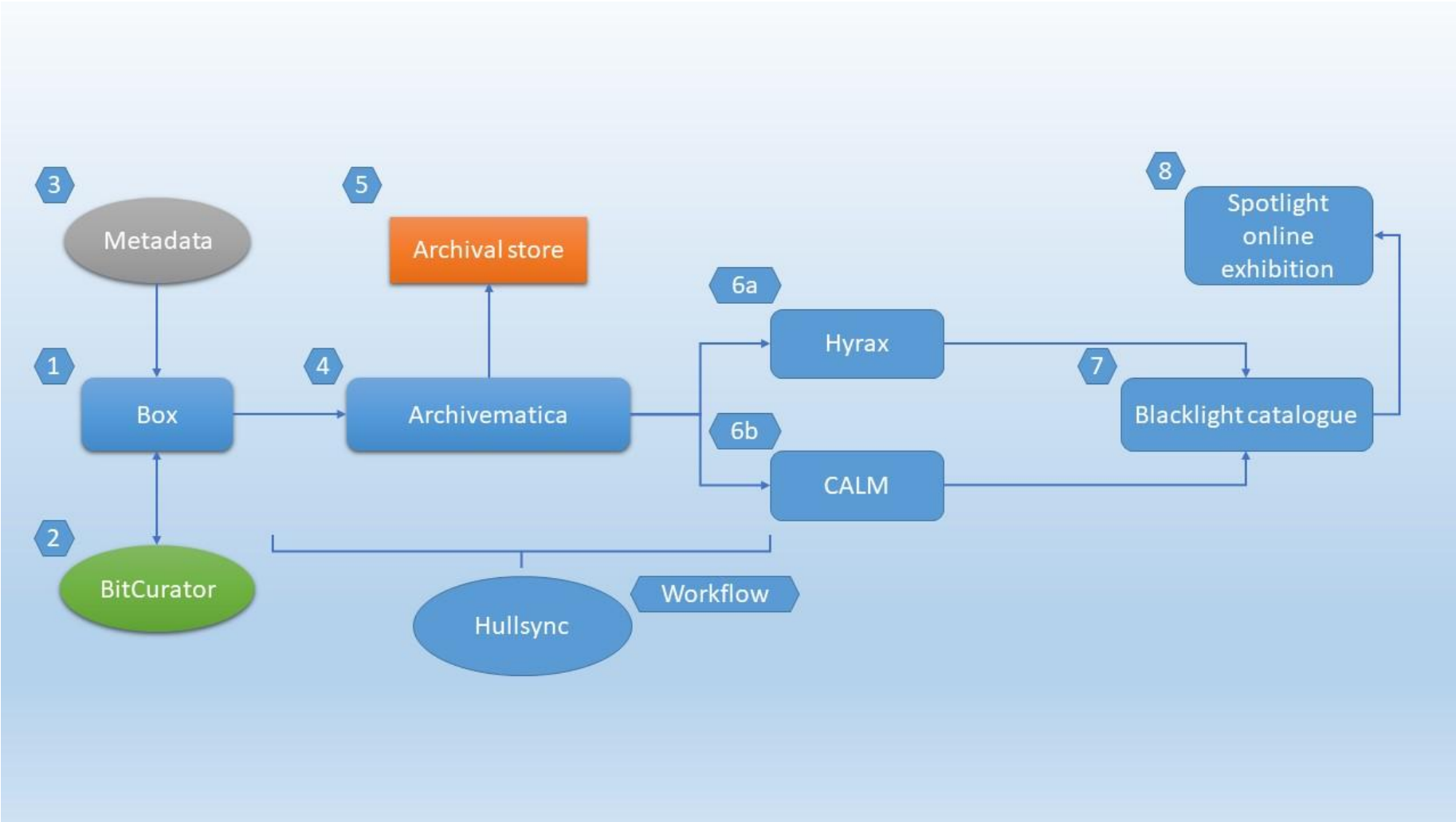


A screenshot of a web browser displaying the University of Hull's Hydra digital repository website. The browser's address bar shows "https://hydra.hull.ac.uk". The website header includes the Hydra logo, "Digital Repository", and navigation links for "Home", "About", "Contact", and "Sign in". The main content area features a large banner with the text "Welcome to Hull's digital repository, Hydra" and a search box. A light green text box on the right explains that the Hydra repository is a digital archive for the University of Hull. Below the banner, there is a section for "Open Access publication" with a document icon, and a "Browse" section with a list of search criteria. The footer of the website includes the University of Hull logo and the text "If you want to go far, go together!". The browser's taskbar at the bottom shows various application icons and the system clock indicating 15:44 on 04/03/2016.

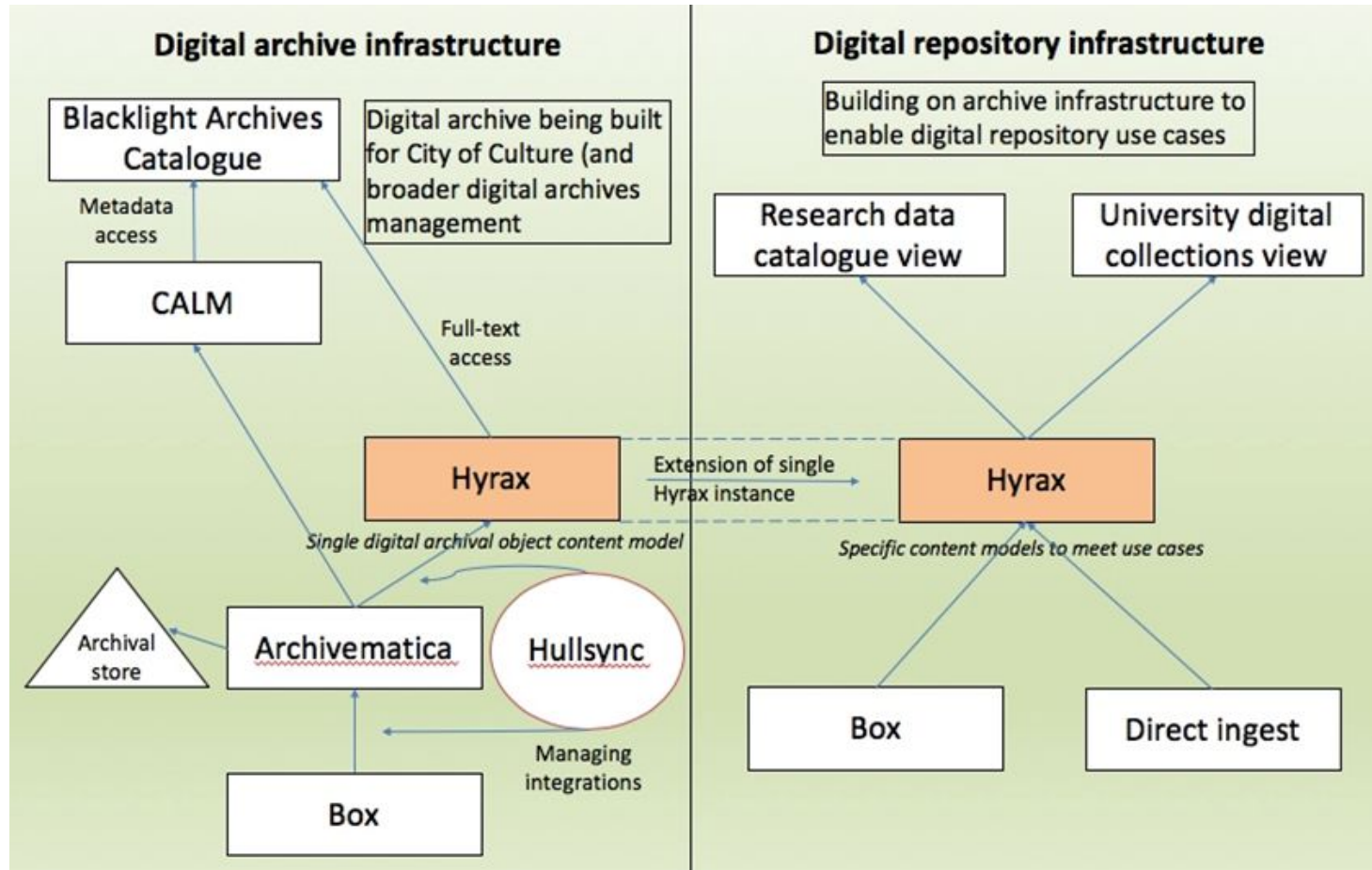
Institutional repository solution

- Built using Hydra toolset in 2014
- Multiple content types with different templating
- Very stable

University of Hull - Archive



University of Hull - repository stretch



GBH: American Archive of Public Broadcasting



A screenshot of the American Archive of Public Broadcasting website. The header includes the "American Archive OF PUBLIC BROADCASTING" logo, a "FIX IT+" button, and navigation links for "About", "For Participating Organizations", "Feedback", and "Donate". The main content area features a search bar and a carousel of program thumbnails. The carousel items include: "Commentary of a Black Southern Bus Rider / Rosa Parks" from Pacifica Radio Archives; "One More Harvest" from PBS Utah; and "Surviving Columbus: The Story of the Pueblo People" from Vision Maker Media. Below the carousel are two columns of text: "ABOUT THE AAPB" with the heading "A Collaboration with a Long-Term Vision" and "FROM THE BLOG" with the heading "New AAPB Collection Features Programs from the Vermont Public Radio series 'Friday Night Jazz with Reuben Jackson'".

GBH: AMS2.0



AMS English wgbh_admin@wgbh-mla.org

Home About Help Contact

All Fields Search... Go All More options

Limit your search


- Date
- Asset Type
- Topic
- Genre
- Producing Organization**
 - KNME-TV (Television station : Albuquerque, N.M.) 2,485
- Media Type
- Physical Format
- Holding Organization
- Level of user access
 - On Location 2,456
 - Online Reading Room 12
- Transcript Status
- Minimally Cataloged
- Outside URL

Filtering by: Producing Organization > KNME-TV (Television station : Albuquerque, N.M.) Start Over


« Previous | 1 - 10 of 2,485 | Next »

Sort by relevance 10 per page Export Push To AAPB


New Mexico In Focus; 1009; Police Training Documentary

 **Created Date:** 1998-03-20
Admin Set: Default Admin Set **GUID:** cpb-aacip-abb9933bcee
Description: What does it take to be a police officer in the 90's. This documentary produced by George Gray...


New Mexico in Focus; 136; Pete Domenici's Legacy

 **Broadcast Date:** 2008-05-09
Admin Set: Default Admin Set **GUID:** cpb-aacip-191-257d80b1
Description: New Mexico Senator Pete Domenici is closing in on the end of a long and illustrious career on...

New Mexico in Focus; Part 2; The Last Conquistador: Interview with Filmmaker John J. Valadez

 **Broadcast Date:** 2008-07-25
Admin Set: Default Admin Set **GUID:** cpb-aacip-f9addca3065
Description: In 2008, NMPBS held a special screening of the P.O.V. documentary "The Last Conquistador." After...

At Week's End; 429; James Burke

 **Admin Set:** Default Admin Set **GUID:** cpb-aacip-efab9fc27c0
Description: James Burke On a recent visit to Albuquerque, James Burke, author and host of the popular

GBH: Avalon



A screenshot of the WGBH Avalon web application interface. At the top left is the WGBH logo. To the right, the user "karen_cariani@wgbh.org" is logged in with a "Sign out" link. Below this is a dark blue navigation bar with links for "Browse", "Collections", "Playlists", and "Selected Items (0)". A green notification bar indicates "Successfully logged into the system". The main content area features a large background image of a laboratory or archive with a search bar overlaid that says "Search this site" with a magnifying glass icon. Below the search bar, a dark blue banner reads "Welcome to the Audiovisual Repository at the WGBH Media Library and Archives". At the bottom, a dark blue footer contains "WGBH MLA" and "Contact Us" on the left, and "Powered By Avalon Media System Release 7.0.0" on the right.

GBH: Avalon



WGBH Search this site karen_cariani@wgbh.org | Sign out

Browse Collections Playlists Selected Items (0)

« Previous | 1 - 10 of 6,926 | Next »


Browse By

- Collection >
- Item Type >
- Content Type >
- Date Created >
- Creator >
- Contributors >
- Subjects >
- Location >
- Media Type


Moving Image	112
Sound Recording	79

Not All Records Contain Date Data, Facet Data May Be Incomplete


1. 10th Anniversary Special Uniquely Masterpiece with Alistair Cooke - Viewing copy Select All Select

 Date: 2020-08-24 (Date Created: 1981-02-06)
Summary: ITEM DESCRIPTION: Masterpiece Theatre 10 Uniquely Masterpiece w/Alistair Cooke PROGRAM DESCRIPTION: [This item has not been reviewed for content or technical quality. If something appears to be ...]


2. 11/2/1972 - Broadcast master Select

 Date: 2020-10-13 (Date Created: 1972-11-02)
Main contributors: Stuart, Charles
Summary: ITEM DESCRIPTION: News Program about local issues. Discussed are school lunch issues, waterfront development in Springfield, and coverage of what it means to "hang around" PROGRAM DESCRIPTION: Ser...


3. 15th Anniversary Show - Viewing copy Select

 Date: 2020-08-04 (Date Created: 1986-01-22)
Summary: ITEM DESCRIPTION: WITH ROBERT GUILLAUME PROGRAM DESCRIPTION: [This item has not been reviewed for content or technical quality. If something appears to be wrong, contact the Archives.]


4. 1968 Berkshire Festival at Tanglewood: Contemporary Trends - Preservation master Select

 Date: 2020-09-16
Summary: ITEM DESCRIPTION: Radio Host: Greg Harney First of 4 Live Color Broadcasts on Channel 2 Hosted by Gunther Schuller, President of NEC Tape starts after the 2nd intermission. Previous artists (Par...

5. 1978 Whitehouse Jazz Festival - Broadcast master Select

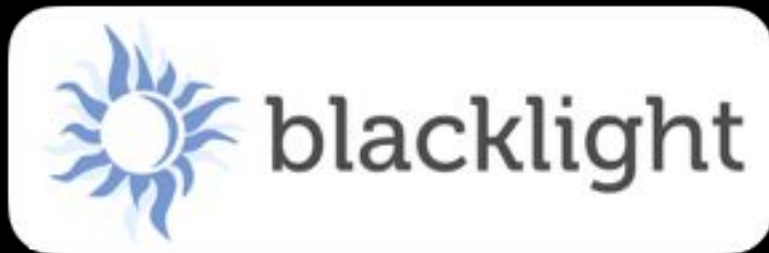
 Date: 2020-07-02 (Date Created: 1978-06-18)
Summary: ITEM DESCRIPTION: PROGRAM DESCRIPTION: Radio [This item has not been reviewed for content or technical quality. If something appears to be wrong, contact the Archives.]

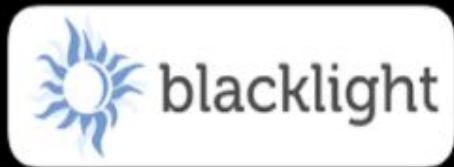
6. 1978 Whitehouse Jazz Festival - Broadcast master Select

 Date: 2020-06-26 (Date Created: 1978-06-18)
Summary: ITEM DESCRIPTION: PROGRAM DESCRIPTION: Radio [This item has not been reviewed for content or technical quality. If something appears to be wrong, contact the Archives.]

7. 1978 Whitehouse Jazz Festival - Broadcast master Select

University of Michigan Library in the Context of Community





How do things fit together?



**With limited time and resources....
How do we pick and choose??**



**Why invest in the community rather
than local priorities?**



What makes a good partner?



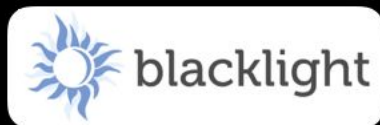
INTERFACE



Universal Viewer DLXS
IIF compatibility
fishrapp + newspapers

APPLICATION

Deep Blue Data
Fulcrum



ArcLight
Library Search



Deep Blue Docs



EPUB DPLA
Full Text Search
Reader Accessibility
(NFB)

INFRASTRUCTURE



Oxford Common Data Model
Fedora Import / Export
Feature Dev

**COHERENCE
ACROSS**



LIBRARY WEB PRESENCE

4.2 MILLION USERS
70 TB of DATA DOWNLOADED
ANNUALLY

18 TB of DATA DOWNLOADED
5.5 MILLION eBOOKS VIEWED
9.5 MILLION ARTICLES VIEWED

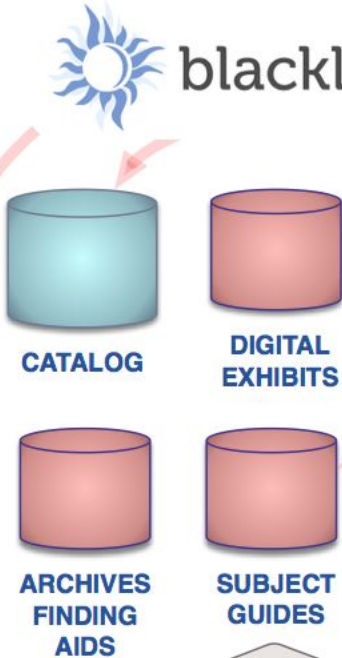
Related Sites not integrated with main website

- PARTNER WEBSITE
- PUBLISHING WEBSITE
- ARCHIVES WEBSITE
- DIGITAL LIBRARY WEBSITE

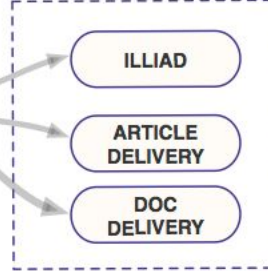
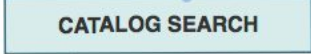


3.1 MILLION USERS
166 MILLION PAGE VIEWS

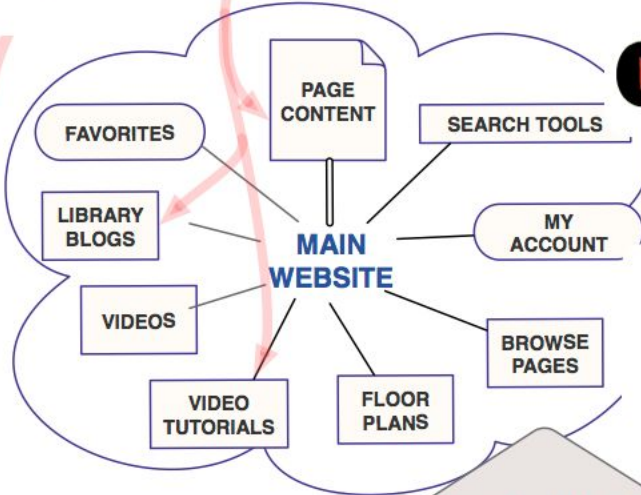
4.8 MILLION PAGE VIEWS



2.2 MILLION PAGE VIEWS



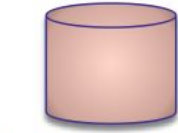
BOOK & DOCUMENT DELIVERY SERVICES



REPOSITORIES



DOCS DATA PUBS



STAFF INTRANET

1.1 MILLION USERS
7 MILLION PAGE VIEWS
3 TB of DATA DOWNLOADED

10 MILLION PAGE VIEWS
33 TB of DATA DOWNLOADED





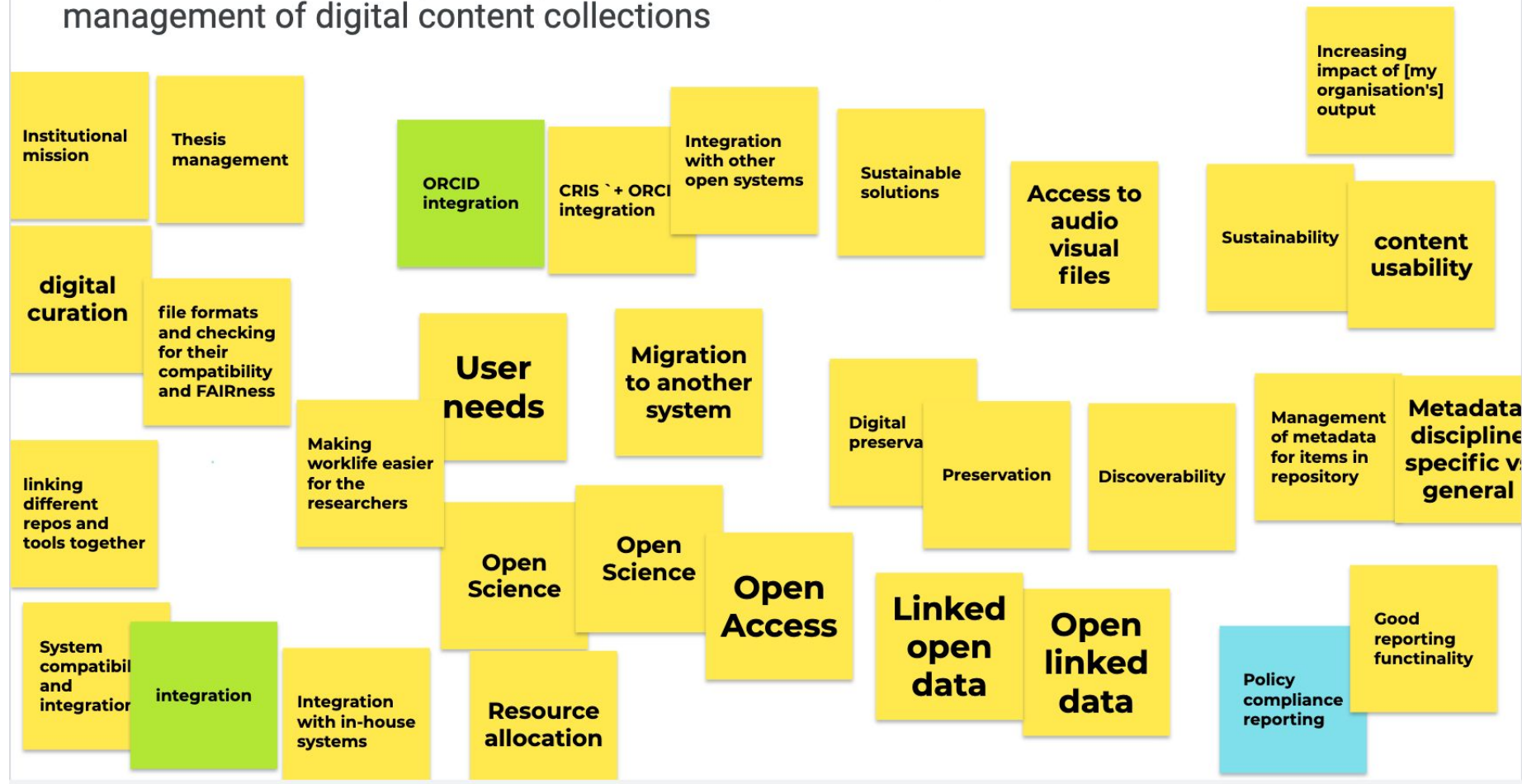
Over to you

Please name up to 3 **key strategic drivers** in relation to **digital repositories** and the **management of digital content** collections (2mins)

[Google Jamboard](#)

Q1 - results

Please name up to 3 key strategic drivers in relation to digital repositories and the management of digital content collections



Discussion time!





Over to you

How do available system options **match your digital strategy needs**? What are the **gaps**? (2 mins)

[Google Jamboard](#)

Q2 - results

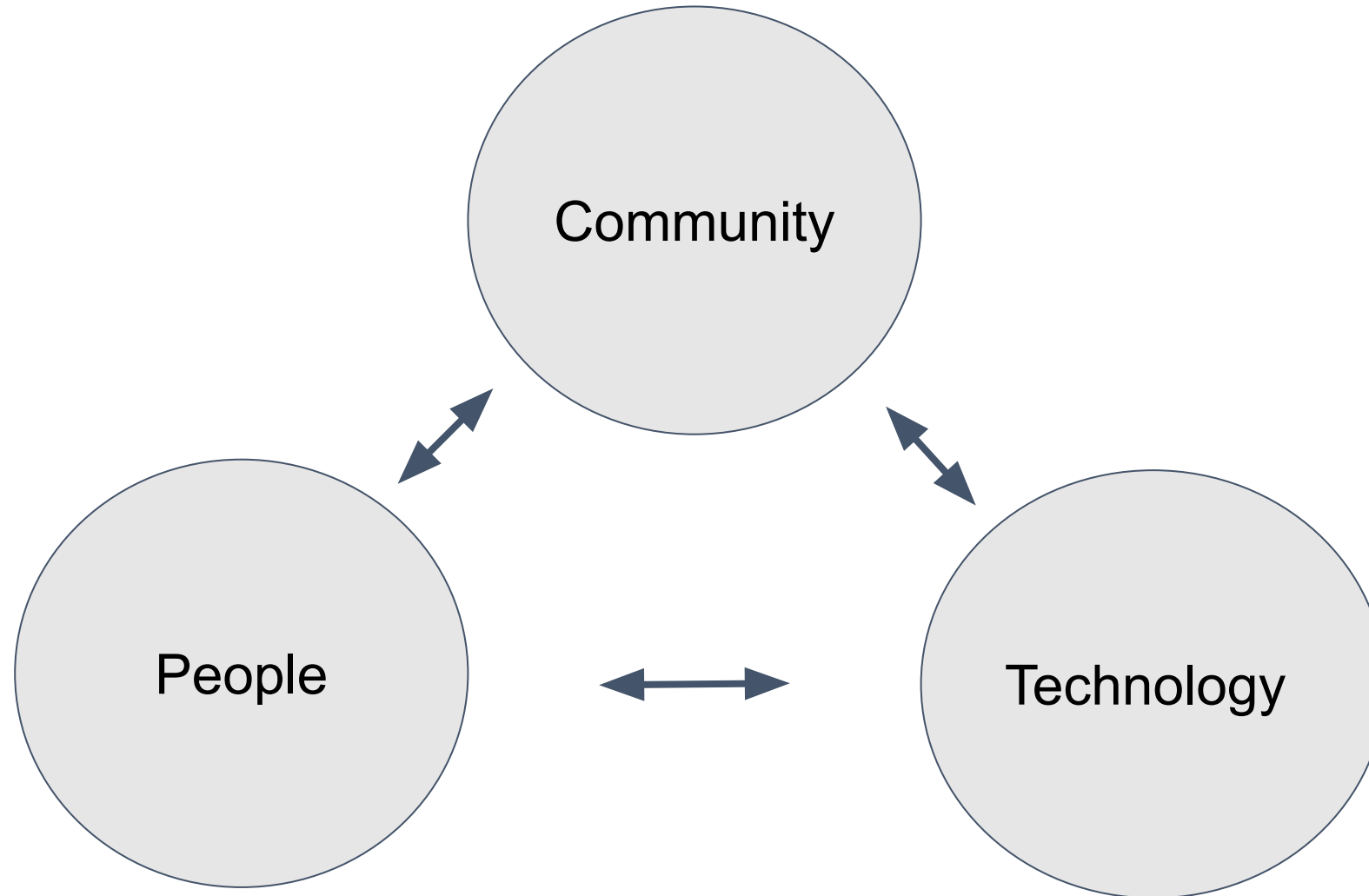
How do available system options match your digital strategy needs? What are the gaps?



Discussion time!



Meeting needs with Open Source





It Takes a Village

Lyrasis project to help communities identify their development and next steps - <https://www.lyrasis.org/programs/Pages/IMLS-OSS.aspx>

Samvera analysis, 2019

- ❑ <https://www.cni.org/topics/repositories/it-took-a-village-the-evolution-of-samvera>

Governance	Technology	Resources	Community engagement
Phase 2 - Growing	Phase 3 - Stable but not static	Phase 2 - Growing	Phase 2 - Growing



Community engagement

- ❑ Many open source initiatives are based around a community - that is what gives them their strength
 - ❑ Samvera's starting point was the community, not the technology
- ❑ Communities thrive through shared commitment
 - ❑ Partner model - 32 current organisations, including vendors, committed to supporting each other in the continuing development of Samvera
 - ❑ Contribution model - community contribution based on size of organisation. Enables Community Manager staffing
 - ❑ Samvera becomes greater than the sum of its parts
- ❑ Regular communication - online and, where we can, face-to-face
 - ❑ <https://samvera.org/getting-started/communication/>

Technical platform, tools, products and services



- ❑ Key to the technical solutions that Samvera has produced has been common endeavour and practice
 - ❑ <https://wiki.lyrasis.org/display/samvera/Samvera+Community+Principles>
 - ❑ Learning from general distributed software development practice
- ❑ What level do you want to engage at technically? A range of options
 - ❑ Platform and Toolset - Use the components in Github to build your own solution
 - ❑ Product - Start with an established solution you can adapt and build on



- ❑ Services - Work with a vendor on a hosted solution or create what you need for local use



Supporting skills sets

- ❑ Engagement with the technical outputs does require specific technical skills - this enables local flexibility
 - ❑ Training opportunities (when we can travel or just online)
- ❑ Community also helps develop skills for library staff
 - ❑ Through shared engagement on common problems to identify solutions
 - ❑ Through learning about different areas of digital curation
 - ❑ Through seeing how technical solutions can apply to curation challenges
- ❑ Opportunities (such as Samvera Connect conference or OR) to showcase local skills with others
 - ❑ Professional reputation



Connecting the library's activities

- ❑ Samvera develops open source technologies, but it also takes a broader picture about involving and supporting staff working with the management of digital content. For example,
 - ❑ Repository Management Interest Group
 - ❑ Metadata Interest Group
 - ❑ User Experience/UI Interest Group
- ❑ Engagement touches on discovery, support for teaching & learning, support for research, publishing
- ❑ Highlighting the ways in which repositories and digital collections can be one of a Library's USPs
 - ❑ ... and a part of the digital strategy



Takeaways

➤ How does repository as infrastructure connect with your digital strategy? How could it?

➤ Find a place to share and collaborate to meet your digital content strategy needs, across the different people and skills involved

➤ Consider your needs and review the range of technical solutions and routes through which those solutions can be put in place

Repository communities drive their strength and resourcing from members and their varied contributions - could you bring something to the table?

You can adopt freely, but there is added value from participation



More Resources

- **Website** - for the managers

<https://samvera.org>

<https://samvera.org/samvera-community-sourced-software/faq/>

- **Wiki** - for the doers

<https://samvera.org/wiki>

- **Github** - for the makers

<https://github.com/samvera> / <https://github.com/samvera-labs>

<https://samvera.github.io/>



Get in touch

For all matters related to use and operation

samvera-community@googlegroups.com

For all matters technical

samvera-tech@googlegroups.com

...and enjoy the rest of Open Repositories 2021!



Samvera sessions at OR2021

June 8:

- [The Carolina Digital Repository During COVID-19: Responding to a Pandemic](#)
- **Networking session:** join us at the Samvera networking table! Details in the post-registration schedule

June 9:

- [Shared repositories: building \(multi-tenancy\) repository services at the British Library](#)
- [Advancing Hyku Project Update](#)
- [Repository Rodeo](#)
- [Reopening the Repository: Redeveloping ScholarSphere to support Open Access](#)
- [Sustaining Open Infrastructure Communities: Evaluating Fiscal and Administrative Service Options](#)
- [Repository Migration: How it started, How it's going](#)
- **Networking session:** join us at the Samvera networking table! Details in the post-registration schedule

June 10:

- **Networking session:** join us at the Samvera networking table! Details in the post-registration schedule



More at OR21

June 8

- Presentations session 1: Repositories and COVID-19, fostering diversity and inclusion

June 9

- Presentations session 4: Accommodating access restrictions, research data repository community building, building shared repositories
- Panel: Repository Rodeo
- Presentation session 6: Notify service for distributed peer review, finding related datasets, large data transfer

June 10

- Presentations session 12: Data re-use, data preservation, aggregation and harvesting

Thank you



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Nabeela Jaffer - njaffer@umich.edu

Alicia Morris - alicia.morris@tufts.edu

Questions...?