Bridge2Hyku:

Tools and Strategies for Content Migration to Open Source Repository

Annie Wu, Santi Thompson, Andrew Weidner,
Todd Crocken, Sean Watkins, Anne Washington,
and Leroy Vallejo

2019 Open Repositories
Hamburg, Germany

Agenda

- Introduction
- Bridge2Hyku (B2H) project background
- B2H project needs, impact and goals
- B2H Toolkit Alpha release and pilot testing
- Communication and sustainability
- What's next

UH Libraries Move to Open Source Digital Solutions

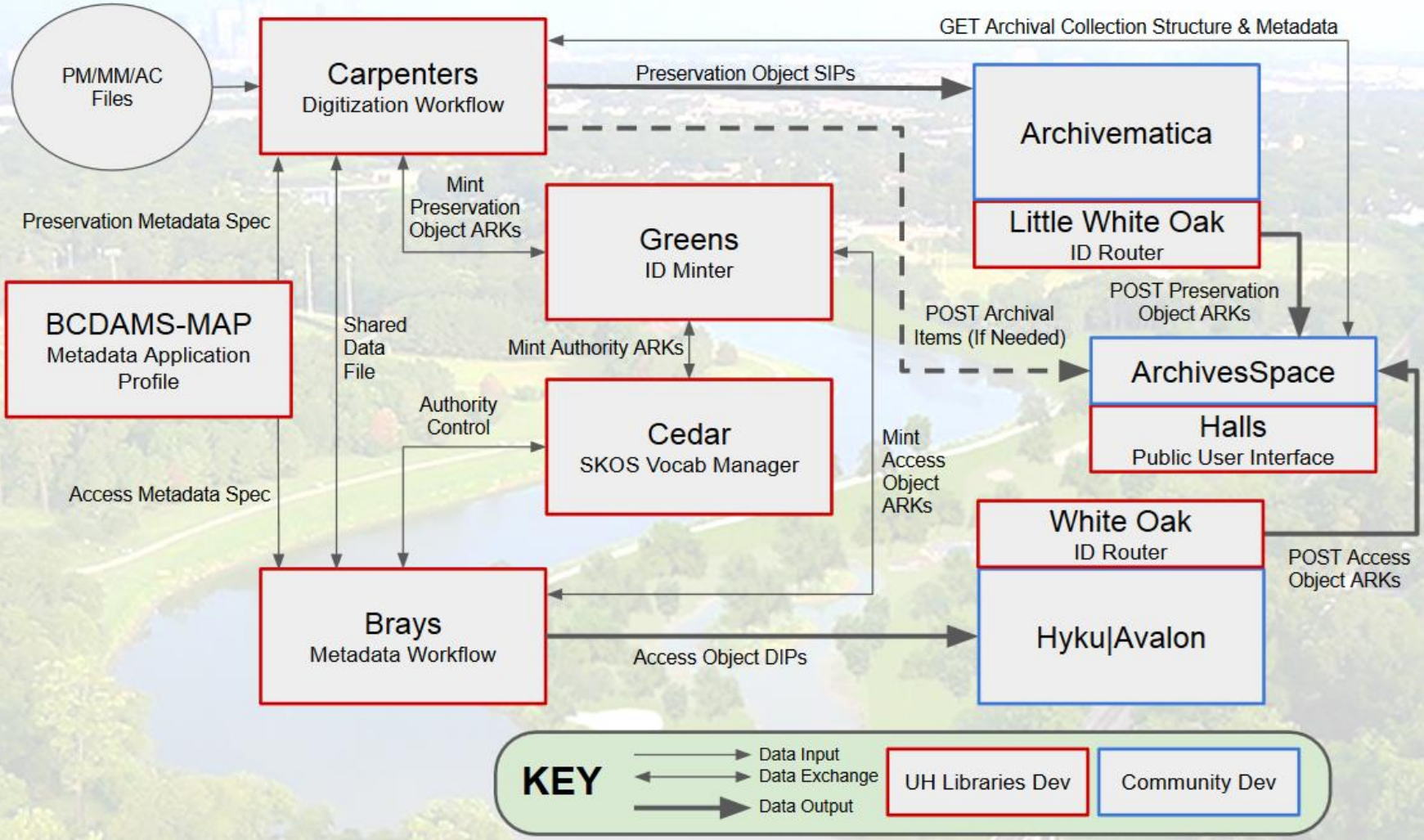
- Evaluated DAMS, digital preservation and archive landscape
- Recommended to implement open source digital solutions
- Develop an eco-system for systems integration

samvera

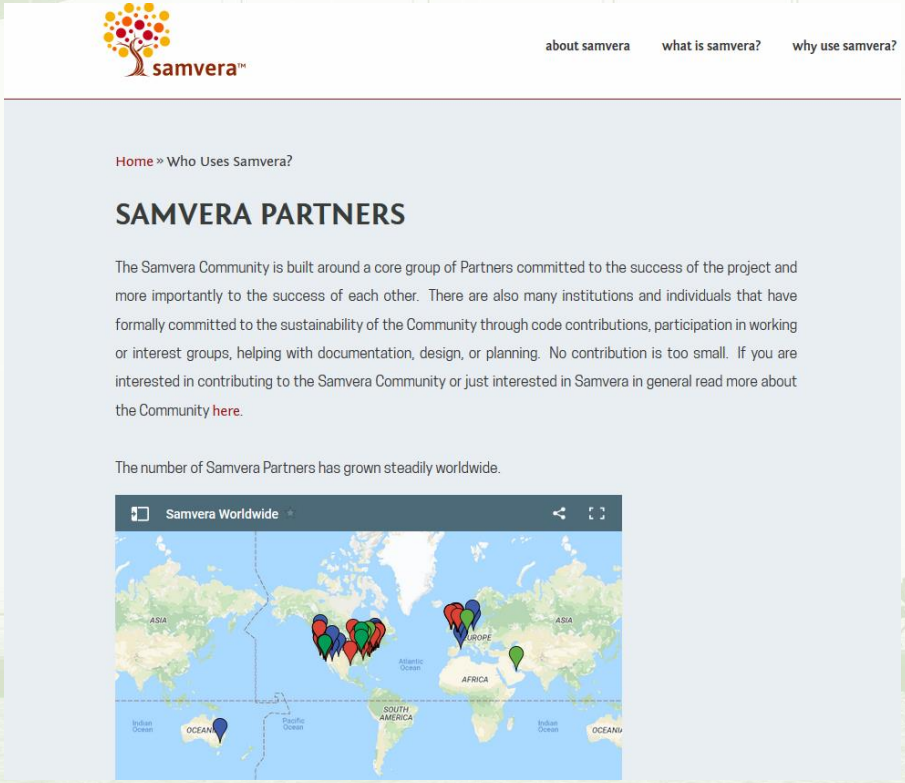
ArchivesSpace

archivematica

UH Libraries Digital Eco-system



Samvera Community



35 partner institutions primarily in North America and Europe

Solution Bundles:

- Avalon
- Hyku
- Hyrax

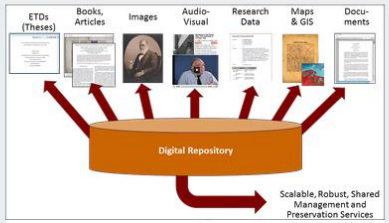
Samvera Features

SAMVERA IS FLEXIBLE AND EXTENSIBLE

The Samvera framework uses the best of current repository, search, and user-interface technologies. The separation of data and display, within the Samvera framework, promotes flexibility and extensibility.

Flexible

Within Samvera framework, one body, the digital repository, supports multiple heads or tailored, content type-specific applications. Additional heads can be implemented with the same repository to handle new forms of content as they emerge. All content stored in the repository can benefit from common curatorial functions and end-users benefit from tailored discovery and access interfaces.



Where other repository systems may be tailored to a specific format or medium, requiring specific systems and expertise, the Samvera framework is flexible enough to serve multiple needs.

Extensible

The Samvera framework is architected to extend features based on specific concerns and use-cases. Established features with long-term community commitment are available, such as:

- Browse Everything allows your rails application to access user files from cloud storage, such as Dropbox, Skydrive, Google Drive, Box, and a server-side directory share
- LDP provides a Linked Data Platform and allows publication of RDF data

The agile and collaborative nature of the Samvera Community also enables experimentation with cutting-edge extensions, which can be added to address unique needs, explore usefulness and possibilities, and eventually gain community commitment. Experiments include:

- GeoMash for linked data and geo-vocabularies
- International Image Interoperability Framework (IIIF) manifest
- ORCiD integration
- SHARE notify service
- Shibboleth authorization integration

- Flexible, scalable and extensible
- Support multiple heads and special format applications
- Cutting-edge features extension
- Linked Data Platform (LDP)

UNIVERSITY OF HOUSTON LIBRARIES PARTNER WITH SAMVERA

Posted on August 18, 2017 - News

The University of Houston Libraries (UHL) have become Samvera's latest formal Partner.

UH Libraries has been actively involved in the Samvera Community through the Metadata Interest Group, CONTENTdm Migration Working Group, and Hyku efforts.

In addition to direct Samvera Community involvement, UH Libraries supports Samvera through activities in the Fedora repository community. UH Libraries helped initiate the South Central States Fedora Users Group (SCSFUG) with Texas Digital Library (TDL) to form a growing multi-state community of library faculty and staff who are actively working on or interested in Fedora-based repository projects. They have hosted events to continue to conversation and support for our base repository system.

NEWS & EVENTS

Samvera Connect 2017 and 2018

Samvera Connect 2017 Sponsor Prospectus

Samvera Connect 2017

Samvera and the world's top universities

University of Houston Libraries Partner with Samvera

RECENT TWEETS

Tweets by @samverarepo

Samvera Community Retweeted

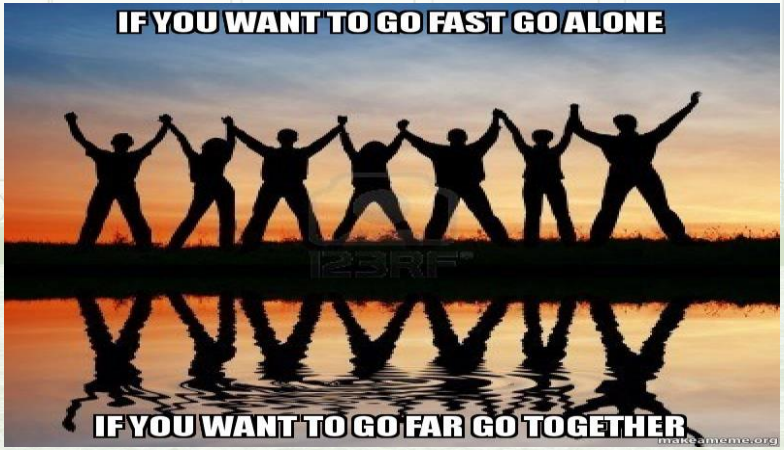
IMLS National Leadership Grant

Bridge2Hyku Toolkit: Developing Migration Strategies for Hyku

LG-70-17-0217-17

Oct. 1st, 2017 – Sept. 31st, 2019

INSTITUTE of Museum and Library SERVICES



Bridge2Hyku – International Collaboration

Implementation Team

UNIVERSITY of HOUSTON

http://www.uh.edu
Annie Wu *Principal Investigator*
Santi Thompson *Principal Investigator*
Andy Weidner *Project Manager*
Todd Crocken *Content Strategist*
Sean Watkins *Software Developer*
Anne Washington *Migration Strategist*

University of Victoria

https://www.uvic.ca
Lisa Goddard *Advisory Board Member*
Braydon Justice *Software Developer*
Dean Seeman *Migration Strategist*

UNIVERSITY OF MIAMI

https://welcome.miami.edu
Sarah Shreeves *Advisory Board Member*
Paul Clough *Software Developer*
Elliot Williams *Migration Strategist*

IUPUI
INDIANA UNIVERSITY–PURDUE UNIVERSITY INDIANAPOLIS

https://www.iupui.edu
Chip Dye *Advisory Board Member*
Andy Smith *Software Developer*
Kristi Palmer *Migration Strategist*
Richard Wing *Migration Strategist*

Community Stakeholders

- Stanford University
- DuraSpace
- Digital Public Library of America (DPLA)
- Indiana University – Bloomington

Recently Added Partner:

- Texas Digital Library (TDL)

Bridge2Hyku - Needs

- DAMS assessment
- Trend towards open source solutions
- Lack of migration tools and guidelines
- Lack of staff resources and expertise

Bridge2Hyku - Impact

- Fill current gaps in content migration practices
- Quicker and wider adoption of open source digital solutions
- Broaden access and expand use of digital content and collections

Bridge2Hyku – Goals and Outcomes

Bridge2Hyku Toolkit website and Github site

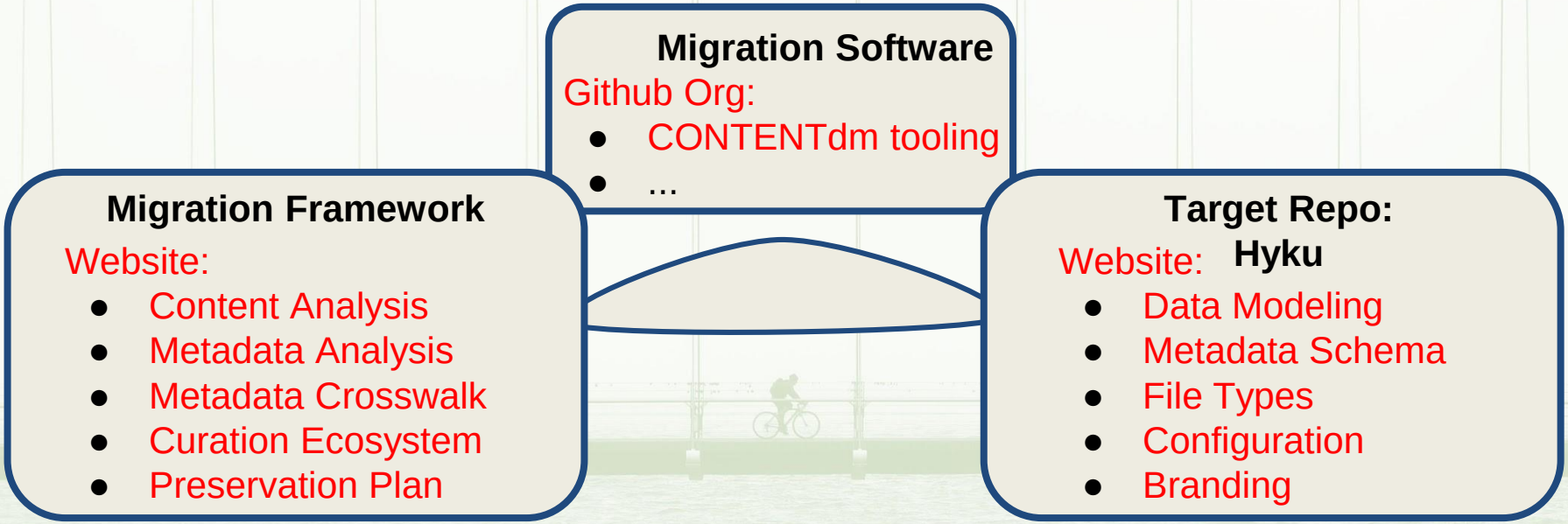
- Migration strategies and best practices
- Migration software/tools
- Hyku features and requirements

Community support and sustainability

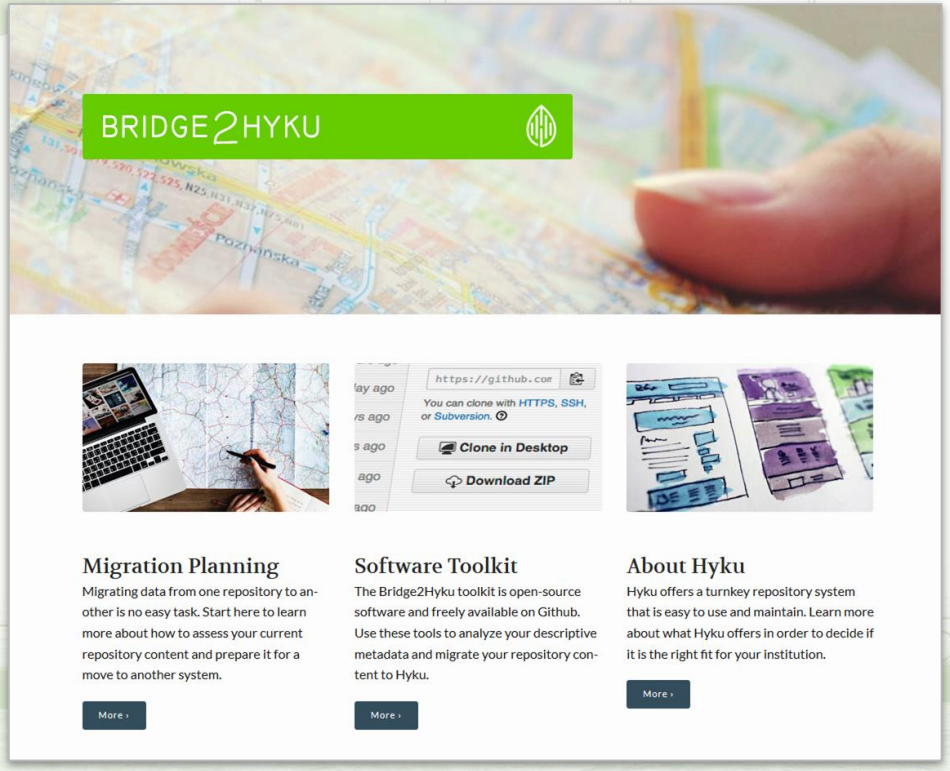
Project Timeline

Phase 1 Oct 2017 - Apr 2018	Phase 2 May 2018 - Apr 2019	Phase 3 May 2019-Sept 2019
• Conduct needs assessment (metadata and system requirements) ✓	Develop and document B2H Toolkit (website, tools and guidelines) ✓	Assess, Improve, and Promote B2H Toolkit.

Project Design



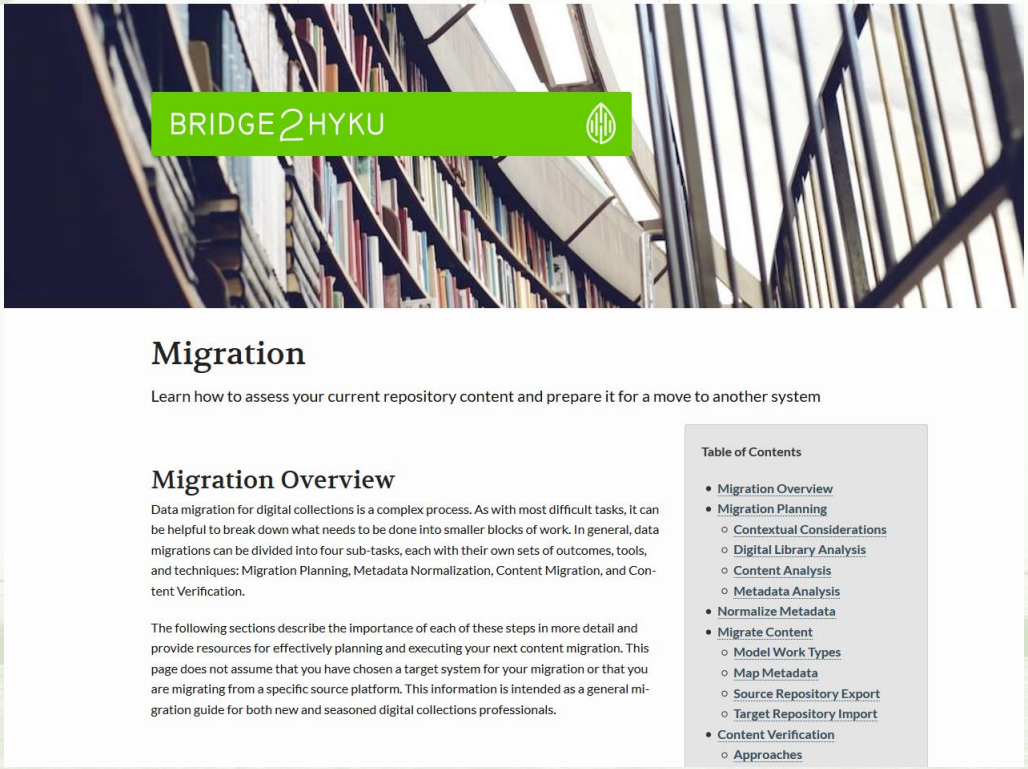
Bridge2Hyku Toolkit



- Migration Strategies
- Migration Tools
- Hyku Features

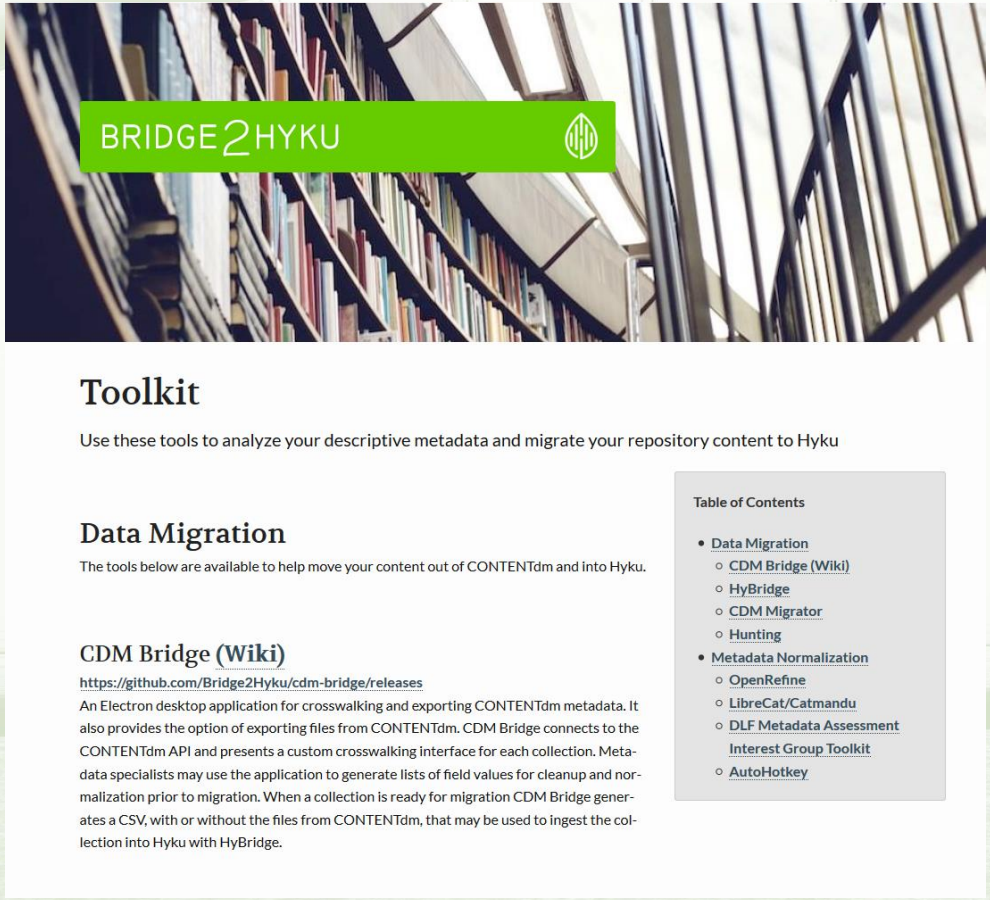
https://bridge2hyku.github.io/

Content Migration Strategies



- Migration Planning
- Normalize Metadata
- Migrate Content
- Content Verification
- Migration Resources

Content Migration Tools



- CDM Bridge
- HyBridge
- CDM Migrator

CDM Migrator

Toolkit

Use these tools to analyze your descriptive metadata and migrate your repository content to Hyku

Data Migration

The tools below are available to help move your content out of CONTENTdm and into Hyku.

CDM Bridge (Wiki)

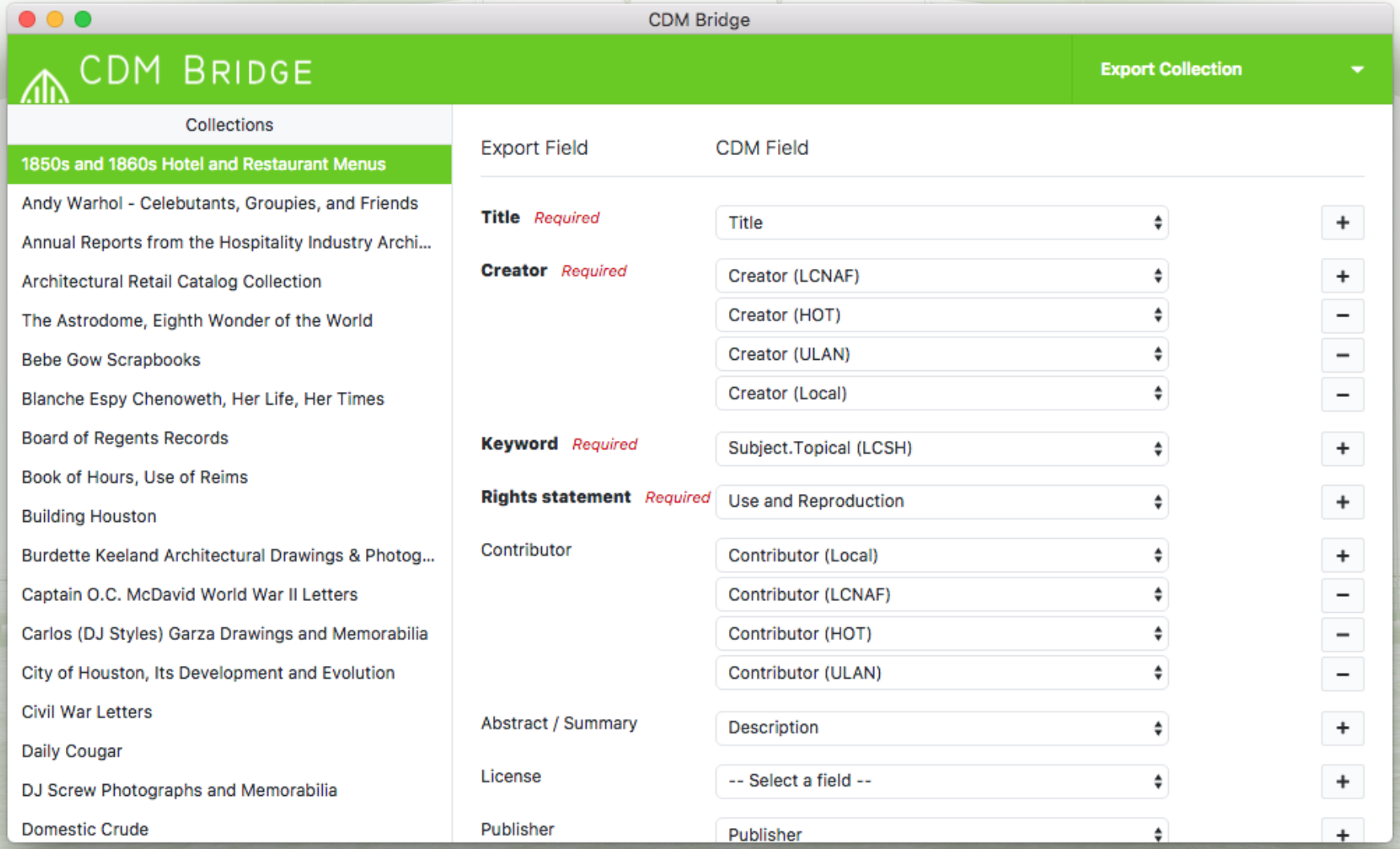
https://github.com/Bridge2Hyku/cdm-bridge/releases

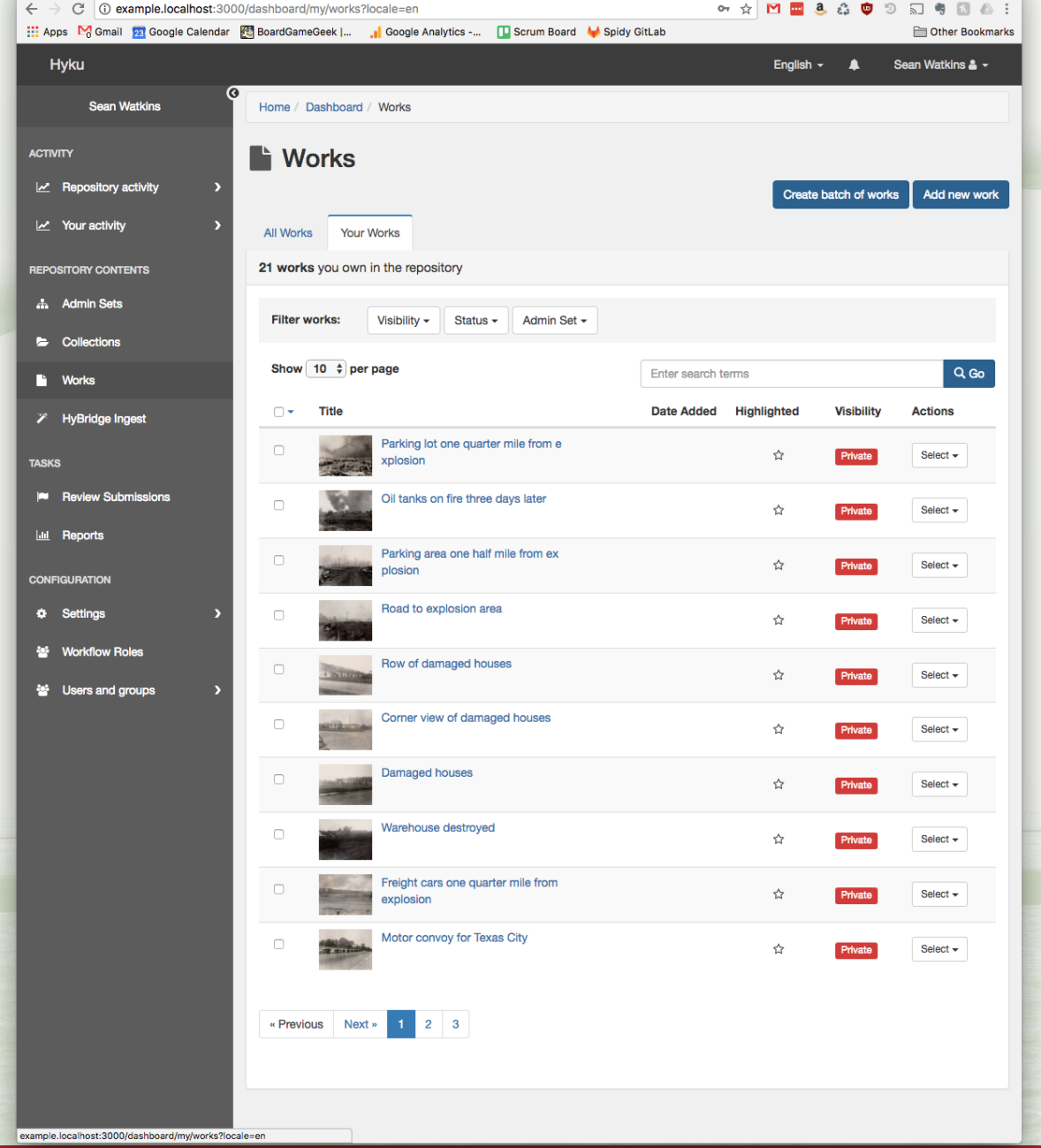
An Electron desktop application for crosswalking and exporting CONTENTdm metadata. It also provides the option of exporting files from CONTENTdm. CDM Bridge connects to the CONTENTdm API and presents a custom crosswalking interface for each collection. Metadata specialists may use the application to generate lists of field values for cleanup and normalization prior to migration. When a collection is ready for migration CDM Bridge generates a CSV, with or without the files from CONTENTdm, that may be used to ingest the collection into Hyku with HyBridge.

Table of Contents

- Data Migration
  - CDM Bridge (Wiki)
  - HyBridge
  - CDM Migrator
  - Hunting
- Metadata Normalization
  - OpenRefine
  - LibreCat/Catmandu
  - DLF Metadata Assessment Interest Group Toolkit
  - AutoHotkey

CDM Bridge


CDM Bridge
CDM BRIDGE
Export Collection
Collections
1850s and 1860s Hotel and Restaurant Menus
Andy Warhol - Celebutants, Groupies, and Friends
Annual Reports from the Hospitality Industry Archi...
Architectural Retail Catalog Collection
The Astrodome, Eighth Wonder of the World
Bebe Gow Scrapbooks
Blanche Espy Chenoweth, Her Life, Her Times
Board of Regents Records
Book of Hours, Use of Reims
Building Houston
Burdette Keeland Architectural Drawings & Photog...
Captain O.C. McDavid World War II Letters
Carlos (DJ Styles) Garza Drawings and Memorabilia
City of Houston, Its Development and Evolution
Civil War Letters
Daily Cougar
DJ Screw Photographs and Memorabilia
Domestic Crude
Export Field
CDM Field
Title Required
Title
Creator Required
Creator (LCNAF)
Creator (HOT)
Creator (ULAN)
Creator (Local)
Keyword Required
Subject.Topical (LCSH)
Rights statement Required
Use and Reproduction
Contributor
Contributor (Local)
Contributor (LCNAF)
Contributor (HOT)
Contributor (ULAN)
Abstract / Summary
Description
License
-- Select a field --
Publisher
Publisher



HyBridge

UNIVERSITY of HOUSTON | LIBRARIES

Hyku Features

Hyku

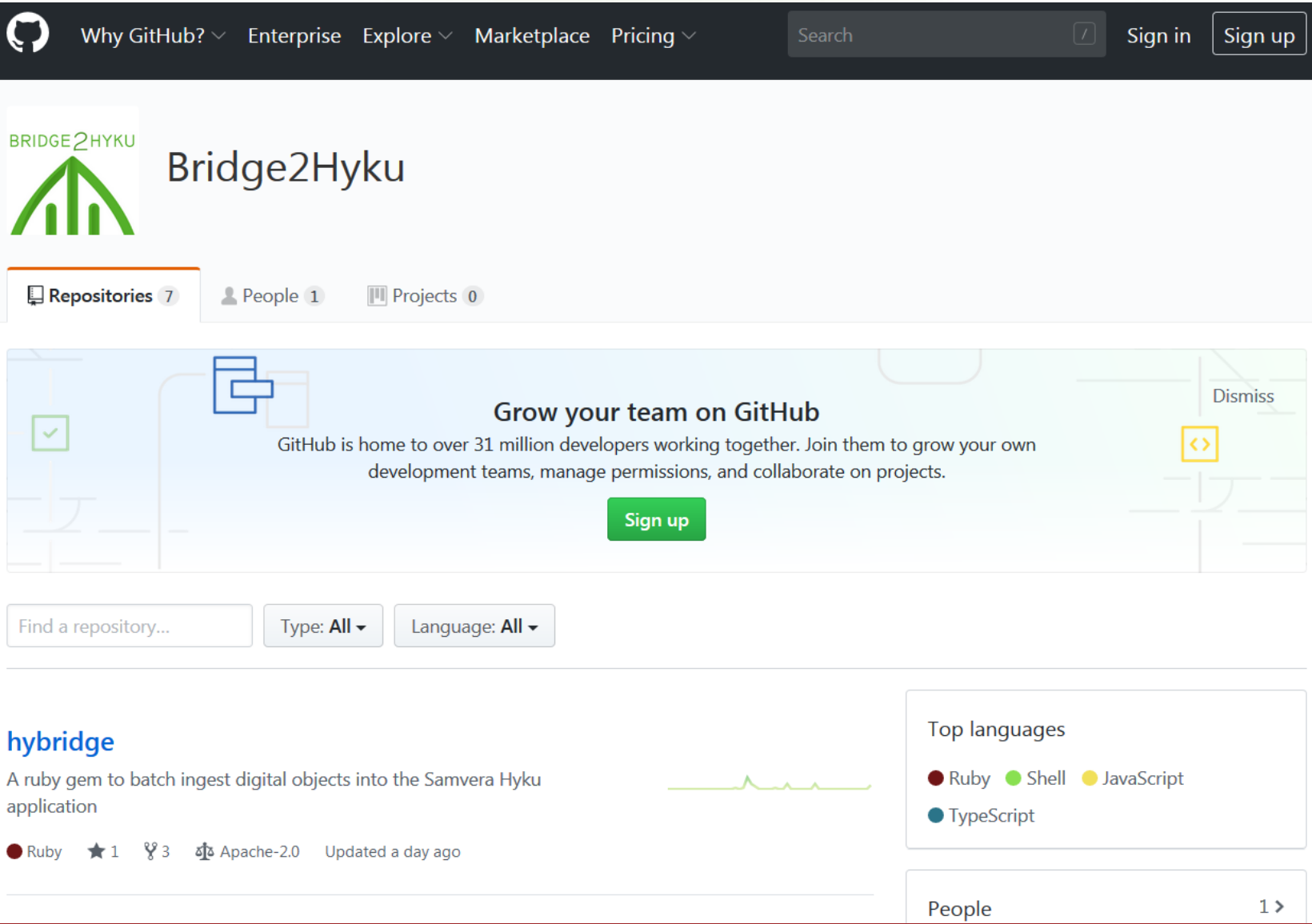
Learn about what Hyku offers for your institution

- National Digital Platform
- Hyku vs Hyrax vs Omeka
- Hyku Features
- Hyku Metadata Schema
- Institutional Repository
- Cultural Heritage Repository

National Digital Platform

Hyku, the repository software produced by the Hydra-In-a-Box project, was built as a part of the Institute for Museum and Library Services' National Digital Platform initiatve. It strives to be "a feature-rich, robust, flexible digital repository that is easy to install, configure, and maintain."

Bridge2Hyku Github



Bridge2Hyku Blog

HOME MIGRATION TOOLKIT HYKU ABOUT BLOG SEARCH CONTACT

UPDATES

Hibernation's End - Conference Season has Arrived

We haven't been sleeping, but we also haven't been posting. Find out where you can learn more about the Bridge2Hyku Project during this conference season! Read More ›

Take the Bridge2Hyku Digital Collections Survey to help us understand your content migration needs.

samvera™
JOIN THE COMMUNITY

UNIVERSITY of HOUSTON | LIBRARIES

Bridge2Hyku Twitter

Tweets 61 | Following 143 | Followers 65 | Likes 55

Follow

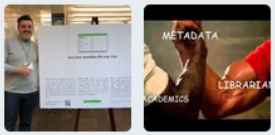
Bridge2Hyku
@Bridge2Hyku

We're building a migration toolkit for digital archives/repositories to move into Hyku. This project was made possible in part by @US_IMLS

Houston, TX

Joined January 2018

Photos and videos



Tweets | Tweets & replies | Media

Pinned Tweet

Bridge2Hyku @Bridge2Hyku · Mar 15
we've heard back from all our submissions, and gosh, we have a busy spring coming up. Check out our conference schedule and come learn more about our project face-to-face soon.

Hibernation's End - Conference Season has Arrived
We haven't been sleeping, but we also haven't been posting. Find out where you can learn more about the Bridge2Hyku Project during this conference season!
bridge2hyku.github.io

3

Bridge2Hyku @Bridge2Hyku · Mar 27
If you took a Workshop entitled "Strategies and Tools for Digital Repository Selection and Migration", what would be the most important information to walk away from it with?

1 | 2

Bridge2Hyku @Bridge2Hyku · Mar 1
this is still true!

New to Twitter?

Sign up now to get your own personalized timeline!

Sign up

Worldwide trends

#FridayFeeling
99.7K Tweets

#VietnamWarVeteransDay
16.2K Tweets

#FridayMotivation
32.4K Tweets

#FridayThoughts
21.9K Tweets

Agnès Varda
French New Wave director Agnès Varda dies at age 90

#FlashbackFriday
10.3K Tweets

LOVE MAZE
58K Tweets

Other Toolkit Promotion Venues

- Conference presentations
- Workshops and online training
- Open access publications

Pilot Testing and Enhancement

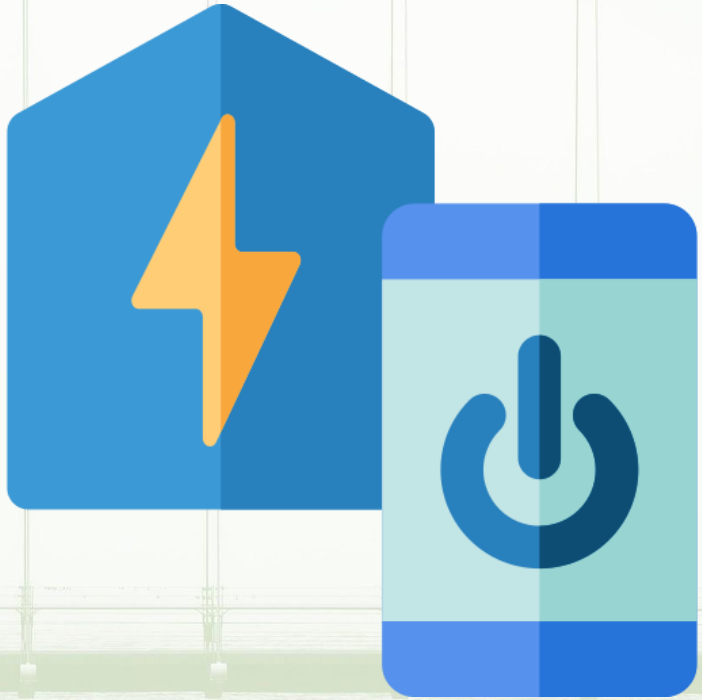
- November 2018 – February 2019
- Testing rubric
- Pilot recommendations

B2H Project Partnership

- Digital Collections Report
- Tools Development
- Toolkit Promotion

Next Steps and Sustainability

- B2H Github Organization (UH)
- Samvera Community
- Third party hosted support



Thank You

Contact Info:

Annie Wu awu@uh.edu
Santi Thompson sathompson3@uh.edu

Image Credits:

- Samvera: https://samvera.org
- African proverb:https://makeameme.org/meme/if-you-want-p1qwui
- Impact: https://www.interstaterestoration.com/blog/why-business-impact-analysis-bia-important
- Outcome: https://www.qcs.co.uk/outcome-based-care/
- Promotion: “Digital campaign free icon” Icon made by Freepik from https://www.flaticon.com/
- Partnership: “Teamwork free icon” Icon made by Freepik from https://www.flaticon.com/
- Sustainability: “House free icon” Icon made by Freepik from https://www.flaticon.com/
- Thank you: https://www.thebalance.com/sample-thank-you-notes-and-email-messages-2064015
- Background: unsplash.com