

Hyku Projects Panel: Community collaboration, Advancing Hyku Project Update

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Samvera Virtual Connect, 19 October 2021

Collaboration across Hyku community projects: Lessons learned from Advancing Hyku

Ilkay Holt, The British Library



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Why community collaboration?

- The ultimate goal of the Advancing Hyku is to give back to the community
- The need to avoid silos and unify the vision to build upon other projects
- More people adopt and build upon the technology, better for sustainability
- Efficient use of resources and community experience

Highlights from Advancing Hyku community activities

Community input: Feature prioritization survey

- Advancing Hyku feature prioritization survey was conducted in 11/2020.
- Adjustments made in the project roadmap:
 - OAI-PMH moved earlier in our roadmap due to strong support for this feature from survey respondents.
 - User experiences with viewing content via browser is more important so we moved the file interaction work later in our roadmap.
- Findings impacting remaining work
 - Strengthen the collaboration with the community projects (e.g. ***Hyku for Consortia, Oregon Digital Hyrax Analytics***) to avoid duplications of efforts.
 - Consideration of toggled features during configuration due to different requirements for different types of repositories (e.g. IR vs collections).
 - Heavy emphasis in the multi-tenancy service versus single tenant implementations

Community collaboration: User stories board

<https://github.com/britishlibrary/Advancing-Hyku>

britishlibrary / Advancing-Hyku

<> Code 1 Issues 53 1 Pull requests 0 Actions 1 Projects 3 1 Security 1 Insights

Advancing Hyku User Stories

Updated 2 days ago

Filter cards

Fullscreen Men

7 Done

1 As a repository manager, I would like the system to change the visibility of a work when embargoes and leases have expired to avoid looking for and manually applying embargo and lease expiration.
#32 opened by ilkayholt
Feature: Embargoes... User story
In Samvera/Hyku co... User story
User: Repo manager WP0

1 As a reader/ end user, I would like to filter the search results available with full text files in the repository.
#39 opened by ilkayholt
Feature: File availab... User story
User: End user WP0

1 As a user, I would like to be able to access content regardless of whether a file copy is available.
#40 opened by ilkayholt
Feature: File availab... User story
User: End user WP0

1 As a repository manager, I want my repository to be harvested by aggregators and other search platforms.
#42 opened by ilkayholt

5 In progress

1 As a repository manager, I would like to be able to create custom work types to meet institutional needs (e.g. musical scores, conference proceedings).
#33 opened by ilkayholt
Feature: Custom wo... User story
User: Repo manager WP0

1 As a repository manager, I want to build modern JS frontends and services off of my backend using a REST API.
#43 opened by ilkayholt
Feature: Read-only ... User story
User: Repo manager WP0

1 As a repository manager, I would like to mint a DOI for a deposited work in a registered or findable status.
#47 opened by ilkayholt
Feature: DOI minting User story
User: Repo manager WP1

1 State of the DOI can be changed by selecting a different DOI type when editing the work.
#48 opened by ilkayholt
Feature: DOI minting User story
User: Repo manager WP1

7 Soon

1 As a repository manager, I would like to be able to create additional metadata attributes added to each work type to meet funder/institutional requirements.
#34 opened by ilkayholt
Feature: Custom wo... User story
User: Repo manager WP0

1 As a repository manager, I would like to have multiple entries in multiple-value fields (e.g. Creator_1, Creator_2) persist as the depositor enters them (e.g.keys such as creator field, holds orcid, isni, first_name, family_name, institutional_relationship)
#36 opened by ilkayholt
Feature: JSON meta... User story
User: Repo manager WP0

1 As a repository manager, I would like to have CSV export and import to bulk load content, round-trip data for batch editing, and to migrate versions.
#37 opened by ilkayholt
Feature: CSV export... User story
User: Repo manager WP0

1 As a repository manager/ researcher,

11 Later

1 As a repository manager, items in the repository will automatically be replicated in the Internet Archive for access and discoverability redundancy.
#31 opened by ilkayholt
Feature: Preservation User story
User: Repo manager WP7

1 As a consortia/ repository manager, I would like to provide a meta-search in order to search across all tenant repositories within the consortium.
#35 opened by ilkayholt
Feature: Cross tena... User story
User: Repo manager WP0
User: Service provid... WP0

1 As a repository manager, I would like to check if a title is available before saving a work by clicking a button. -- Enable a user
#38 opened by ilkayholt
Feature: Title availa... User story
User: Repo manager WP0

1 As a repository manager/ researcher, I would like to be able to upload big files e.g. over 5GB for a research project.

5 To be reviewed

1 As a repository manager, I would like to see repository-wide, cumulative usage statistics including number of views, search, downloads, referrals, access by location, by collections to demonstrate impact, readership, interaction and reuse.
#26 opened by ilkayholt
Feature: Google Ana... Priority: Essential
User: Repo manager WP2
WP2: Metrics 1

1 As a consortium/ service provider, I would like to gather statistics of all repository traffic within the consortium.
#49 opened by ilkayholt
Feature: Google Ana... User story
User: Repo manager
User: Service provid... WP2

1 As a reader/end user, I would like to have 'Cite this item' button to produce a text citation that can be copied and pasted.
#21 opened by ilkayholt
Feature: RIS citation... Priority: Desirable
User story User: Author User: End user WP0
WP2: Metrics 1

Community collaboration: Hyku Roadmap

<https://github.com/samvera/hyku/projects/1>

Hyku Roadmap

Updated 5 days ago

Filter cards

Fullscreen

Me

1 Done - All Hyku Instances

- Auto-expiration of embargoes and leases
#1673 opened by ilkayholt
Hyku v3 In Samvera codebase
Project: Advancing Hyku Repository feature

9 Done - In Local Instance

- Read-only REST API
#1681 opened by ilkayholt
Hyku v2 Project: Advancing Hyku
Repository feature
- CSV Exports / imports -Bulkx
#1676 opened by ilkayholt
Hyku v2 Project: Advancing Hyku
Repository feature
- Custom work types and extended metadata attributes
#1674 opened by ilkayholt
Hyku v2 Project: Advancing Hyku
Repository feature
- DOI minting
#1683 opened by ilkayholt
Hyku v2 Project: Advancing Hyku

7 In progress

- Integration with ORCID, author identifier
#1688 opened by ilkayholt
Hyku v2 Project: Advancing Hyku
Repository feature
- Cross tenant search
#1675 opened by ilkayholt
Hyku v2 Project: Advancing Hyku
Repository feature
- Speed up the test suite
#1698 opened by DraxIndustries79
Project: HykuUP
- Admin editability of controlled vocabularies
#1697 opened by DraxIndustries79
Project: National Transportation Library

1 Soon

- Bring Helm charts and deployment strategy to Hyku
#1699 opened by DraxIndustries79
Project: Shared Research Repository

Advancing Hyku Project Update

Ellen Ramsey, University of Virginia



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Deliverables, October 2019 to February 2022

1. Integrating open-resource discovery tools to automatically scale repository contents
2. Adding metrics to indicate usage of contents
3. Connecting and syncing with author identification and profile services
4. In-browser display, visualization and annotation
5. Establishing pathways to long-term preservation services
6. Assessing requirements and jointly creating detailed, component-specific development plan

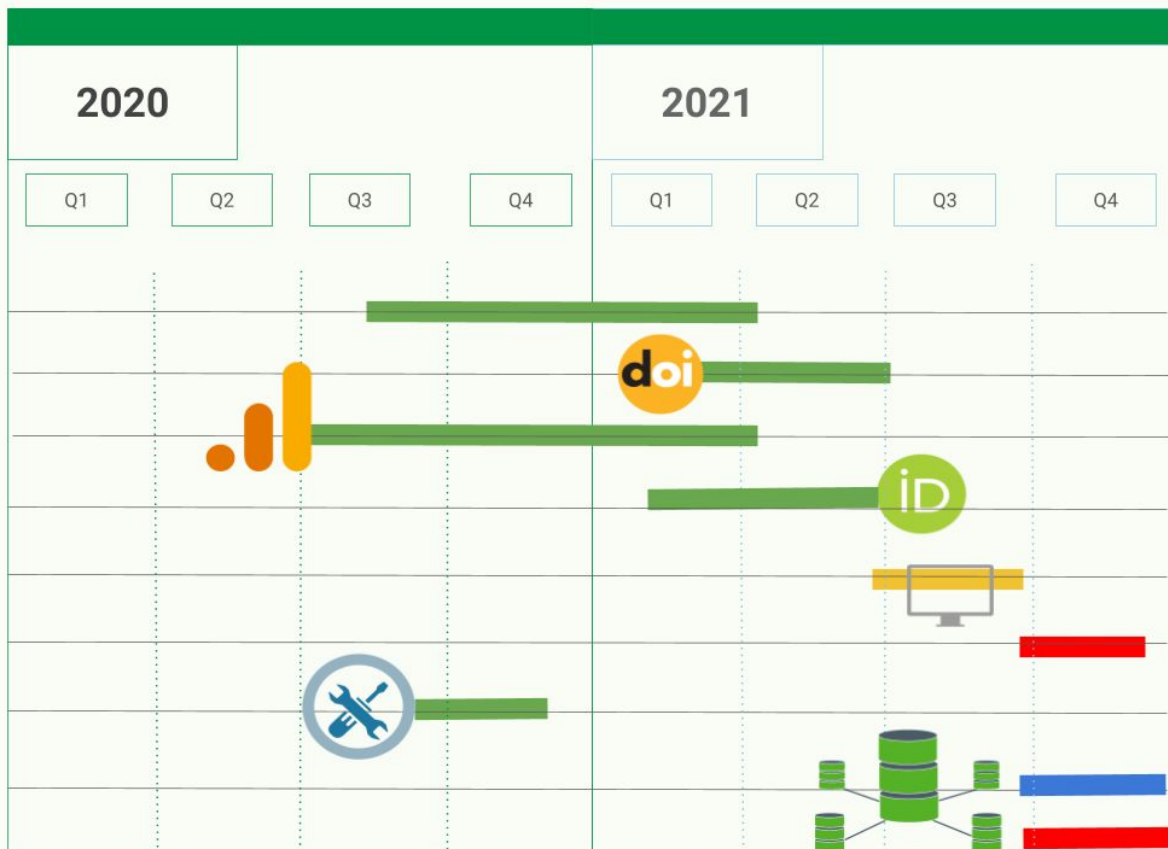


Advancing Hyku Project

<https://advancinghyku.io>

● Complete ● In Progress ● Not Started

WP0	Hyku $\frac{2}{3}$ alignment
WP1	Auto-population
WP2	Metrics - phase 1
WP3	Author profile sync
WP4	In-browser display
WP5	Metrics - phase 2
WP6	Architecture assessment
WP7	Preservation pathways*
WP8	Migration to hosted Hyku



Highlights from Advancing Hyku project activities



Architecture Review for Advancing Hyku project.

<https://doi.org/10.18130/v3-k4an-w022>



Advancing Hyku Project

Your vote matters!

Community input for Advancing Hyku
feature prioritization

<https://doi.org/10.18130/v3-86vb-1k46>

So many hosted options...



HYKU 3.0 RELEASE INCLUDES NEW CUSTOMIZATION FEATURES

<https://samvera.org/2021/02/17/hyku-3-0-release-includes-new-customization-features/>

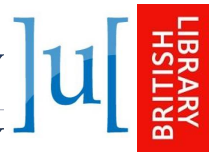
Lessons learned from Advancing Hyku project

1. The need to work closely across projects, be open and transparent as much as possible
2. Layers of communications across projects helps to work efficiently - dev/tech calls, repository managers
3. Community code contribution needs to be defined: e.g. what is “core”, what goes to “core”.
4. Being agile and realistic about the project deliverables while holding onto the main objectives is important



Advancing Hyku Project

advancinghyku.io



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Thank you!



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