

Advancing Hyku Year Two Project Update

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advancinghyku.io



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Advancing Hyku: Open Source Institutional Repository Platform Development

The project IS...

- funded by a \$1M grant from Arcadia.
- from October 2019 - February 2022
- supporting the growth of open access through institutional repositories by introducing significant structural improvements and new features to the Samvera Community's Hyku Institutional Repository.

The project IS NOT...

- focused on building new institutional repository solutions.
- redirecting resources from Hyrax codebase.
- claiming that institutional repository population and use is the singular path to the future of open and sustainable scholarly communication.

Advancing Hyku project deliverables

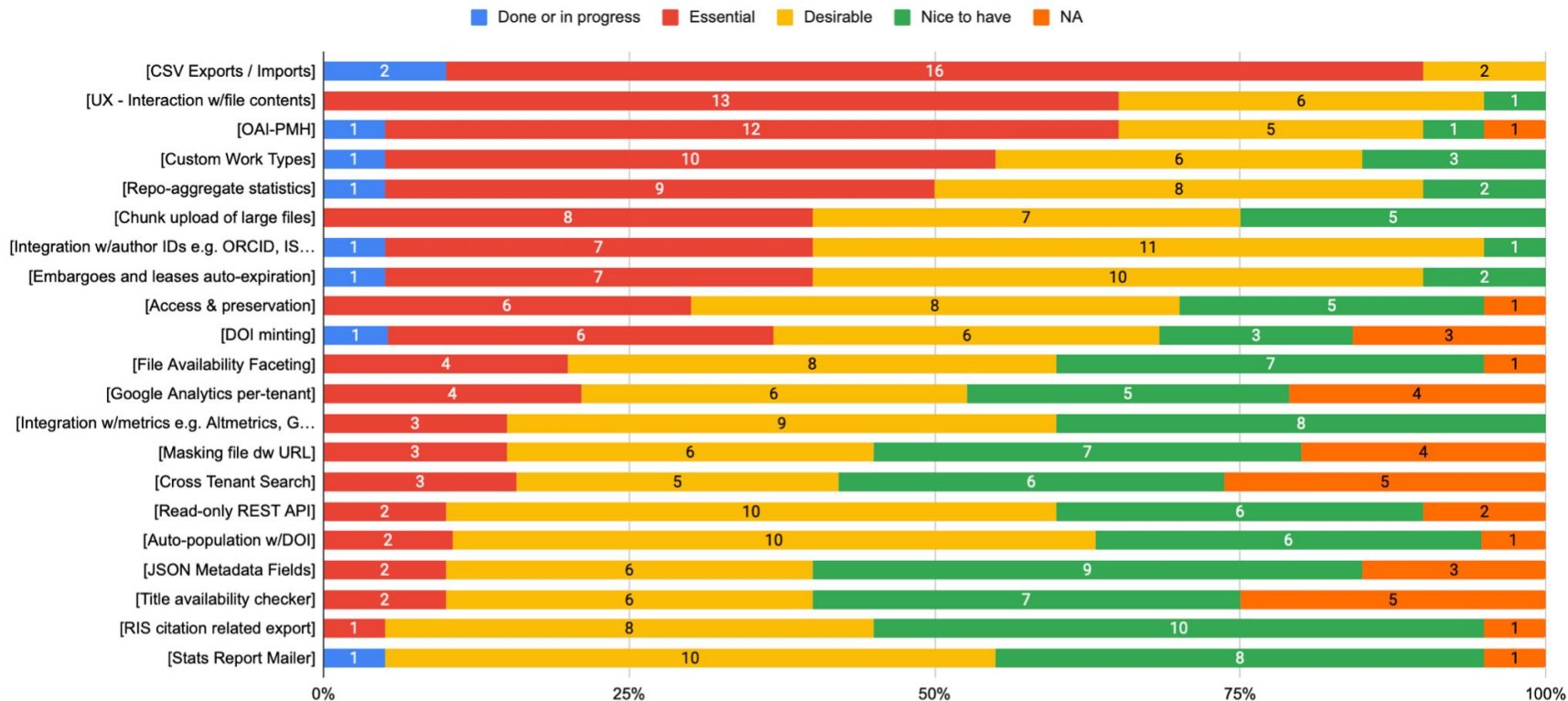
Assess requirements, jointly create detailed, component-specific development plans, resulting in collaborative development of new capabilities:

- integrate open-resource discovery tools (e.g. Unpaywall, Open Access Button) to automatically scale repository contents
- add metrics to indicate usage of repository contents (e.g. citations, social media)
- connect and sync with author identification and profile services (e.g. ORCID)
- encourage interaction with contents via in-browser display, visualization and annotation
- establish pathways to long-term preservation services

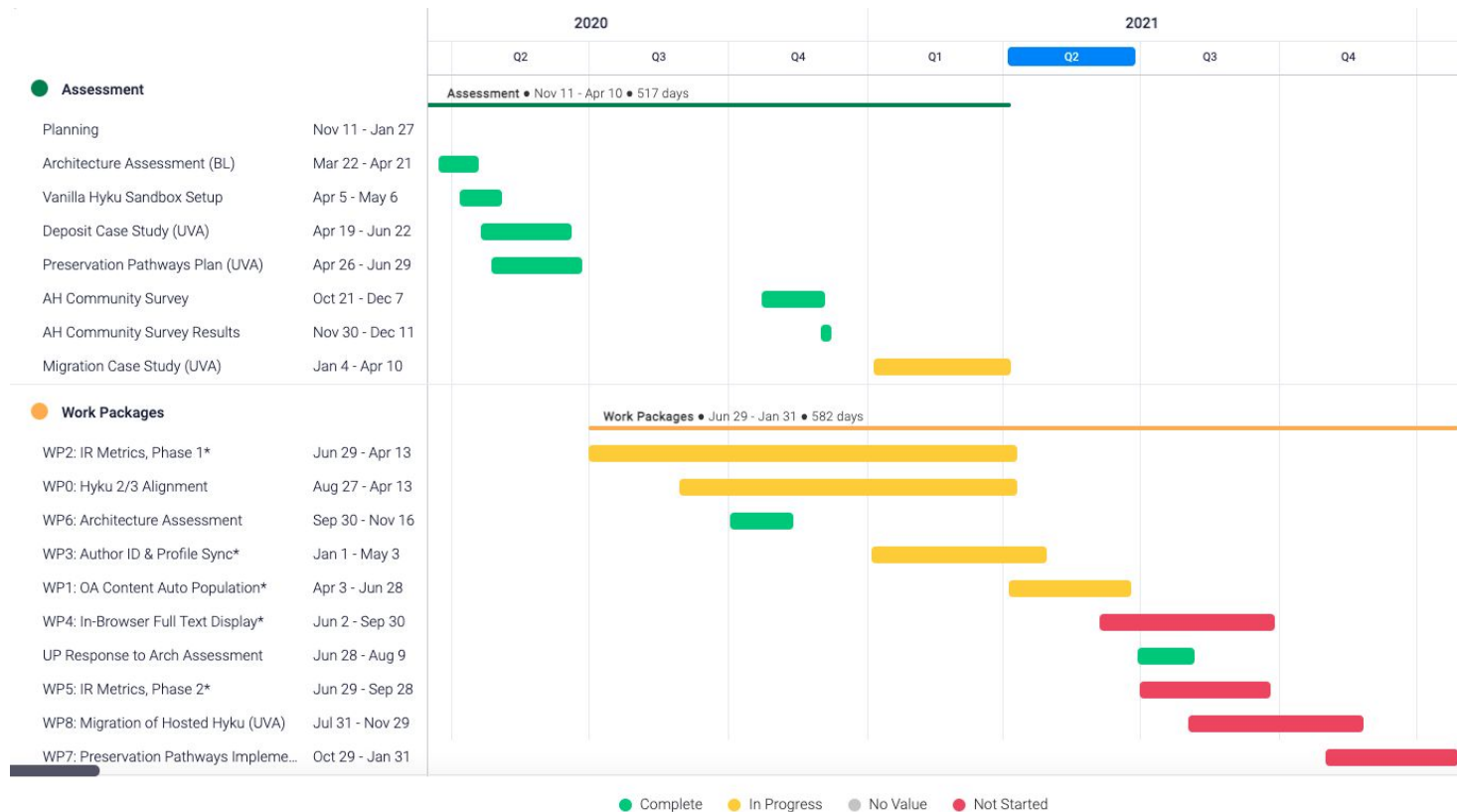
Hyku stakeholder survey: Feature prioritization

- [Conducted](#) in Nov. 2020 for community input for Advancing Hyku feature prioritization and the results shared in [December](#).
- Adjustments we have already made:
 - OAI-PMH moved earlier in our roadmap due to strong support for this feature from survey respondents.
 - Respondents told us user experiences with viewing content via browser is more important so we are moving the file interaction work later in our roadmap.
- Findings impacting future work
 - Strengthen the collaboration with the community projects (e.g. Hyku for Consortia, Oregon Digital Hyrax Analytics) to avoid duplications of efforts.
 - Change of requirements for different types of repositories (e.g. IR vs collections) should be considered and the need for features to be toggled on or off during configuration
 - Heavy emphasis in the multi-tenancy service should not obscure single tenant implementations

Survey results: Feature prioritization



Advancing Hyku Roadmap through February 2022



Current development work

- Work to date:
 - **Completed:** Hyku 3.0 Collaboration and Contributions including [Bulkcrax, Tenant Theming, and Embargoes, Architecture Assessment](#) and the [response](#)
 - **In testing:** Hyku 2/3 Alignment, IR Metrics, Phase 1
 - **In progress and testing:** Ubiquity is feeding back and testing key features developed with the British Library and Pacific University
 - **In progress:** Author ID and profile sync e.g. ORCID, OA Content Auto Population from external sources
 - Up next: In-browser display of works, preservation packaging
- Conducting in-depth interviews for remaining work

Community engagement: 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 WP2
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 engagement: Hyku Roadmap

 [samvera/hyku](#)

[Code](#) [Issues 172](#) [Pull requests 4](#) [Actions](#) [Projects 1](#) [Wiki](#) [Security](#) [Insights](#)

Hyku Roadmap

Updated 22 hours ago

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

4 Done

1 Auto-expiration of embargoes and leases

#1673 opened by ilkayholt

Hyku v3 In Samvera codebase

Project: Advancing ... Repository feature

1 File Availability Faceting

#1678 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 OAI-PMH

#1680 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 RIS (Research Information Systems) citation related export

#1686 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

4 In progress

1 Custom work types and extended metadata attributes

#1674 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 CSV Exports / imports

#1676 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 Read-only REST API

#1681 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 Per-Tenant Google Analytics

#1685 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

3 Soon

1 DOI minting

#1683 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 Auto-population of metadata from DOI

#1684 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 Integration with ORCID, author identifier

#1688 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

8 Later

1 Cross tenant search

#1675 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 Title availability checker

#1677 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 Chunk upload of large files

#1679 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 Masking of file download url from S3

#1682 opened by ilkayholt

Hyku v2 Project: Advancing ...

Repository feature

1 Stats Report Mailer

#1687 opened by ilkayholt



Advancing Hyku Project



ARCADIA
A CHARITABLE FUND OF
LISBET RAUSING & PETER BALDWIN

Thank you!
Q&A

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