Your vote matters!
Community input for Advancing Hyku feature prioritization

Ellen Ramsey, University of Virginia
Brian Hole, Ubiquity Press
Ilkay Holt, British Library

advancinghyku.io

Samvera Connect 2020
On-line | 22–23 and 26–29 October 2020

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.

Project Deliverables

1. Auto-population
2. Metrics
3. Author profiles
4. Display and annotation
5. Long-term preservation
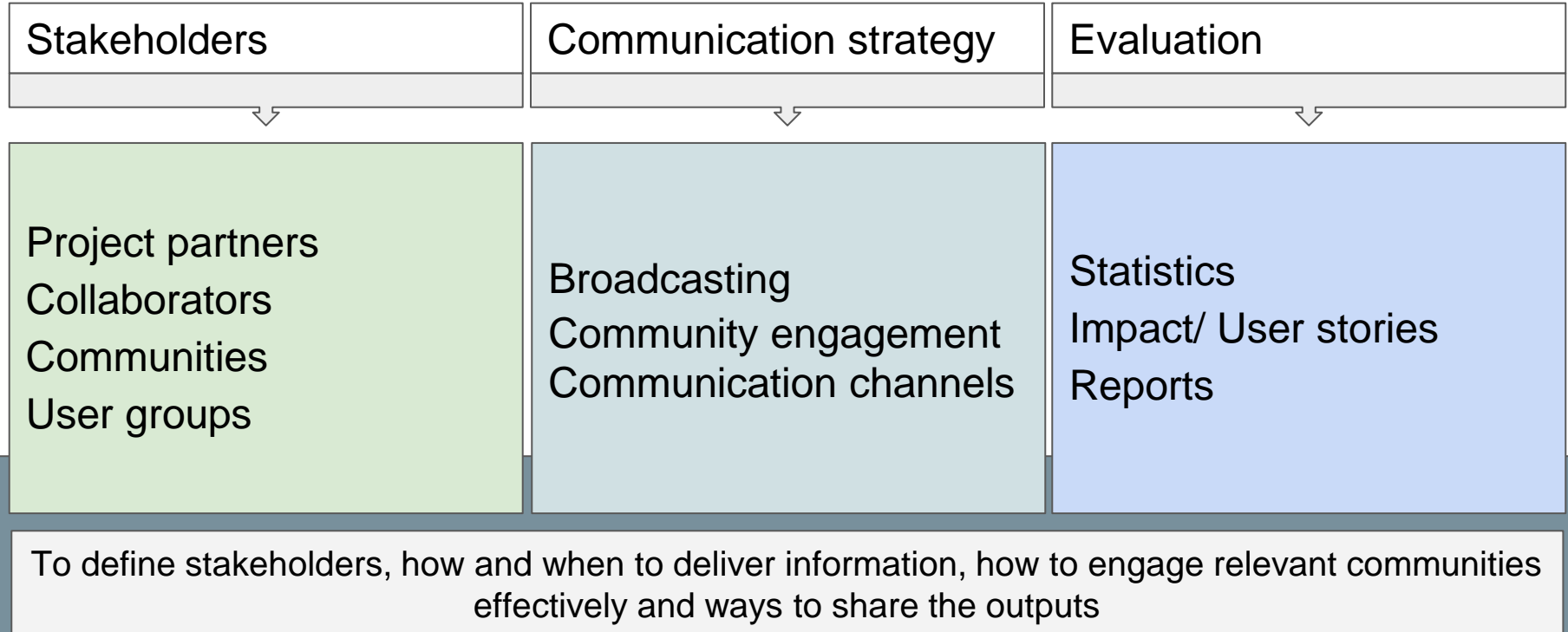6. Strengthening architecture

Advancing Hyku Roadmap Oct 2020-Feb 2022

Task Name	Q4			Q1			Q2			Q3			Q4			Q1		
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1 Assessment																		
8 Work Packages																		
9 WP0: Hyku 2/3 Alignment																		
10 WP1: OA Content Auto Population^																		
11 WP2: IR Metrics, Phase 1^																		
12 WP3: Author ID & Profile Sync^																		
13 WP4: In-Browser Full Text Display^																		
14 WP6: Architecture Assessment Implementation																		
15 WP7: IR Metrics, Phase 2^																		
16 WP5: Preservation Pathways Implementation^																		
17 WP8: Migration of Hosted Hyku (UVA)																		
18 Communication																		
40 Reporting																		
41 Annual Report, Year One																		
42 Final Report, Year Two																		
43 ^includes contribution of code to Hyku Community codebase																		

Current work

- Ubiquity has already begun feeding back key features developed with the British Library and Pacific University and identified in the alignment WP:
  - Standardized and aligned core infrastructure of the Hyku codebase with the Hyrax codebase. Specifically, Upgrade Hyku to Hyrax 2.9, Rails 5.2, and Ruby 2.7. https://github.com/samvera/hyku/pull/1632
  - Enhanced the deposit form by adding Google Scholar meta tags: https://github.com/samvera/hyrax/pull/4382
  - Enabled adding new deposit form metadata fields quickly and easily: https://github.com/samvera/hyrax/pull/4453
  - DOI minting and DataCite alignment (Hyrax plugin - see separate presentation from Chris Colvard): https://github.com/samvera/hyrax/pull/4458
  - Embargo and lease expiry: https://github.com/samvera/hyku/pull/1648
  - REST API (to be committed Oct 2020)
- Preparing in-depth interviews for remaining alignment work

Communication plan for Advancing Hyku

Stakeholders	Communication strategy	Evaluation

Project partners
Collaborators
Communities
User groups

Broadcasting
Community engagement
Communication channels

Statistics
Impact/ User stories
Reports

To define stakeholders, how and when to deliver information, how to engage relevant communities effectively and ways to share the outputs

Personas defined for the project

I submit my work to the repository

I manage the repository

I am the user of this repository

I am the decision maker in this institution

I fund the research deposited in this repository

I am the meta(data) provider to the hosted repository

Work packages, features and user stories

Work packages (WP) ...

- WP0: Hyku 1/Hyku 2-3 Alignment
- WP1: Auto Population
- WP2: Metrics 1
- WP3: Author Profile Synchronization
- WP4: In-Browser Display
- WP5: Metrics 2
- WP6: Migration of hosted Hyku
- WP7: Preservation Pathways

WP0 Features ...

- Auto-expiration of embargoes and leases
- Custom Work Types and Extended Metadata Attributes
- Cross Tenant Search
- JSON Metadata Fields
- CSV Exports / Imports
- Title availability checker
- File Availability Faceting
- Chunk upload of large files
- OAI-PMH
- Read-only REST API
- Masking of file download url from S3

Repository manager
Auto-expiration of embargoes ...
WP0

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.

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Repository manager
Custom Work Types **WP0**

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).

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Repository manager
Consortia/ service provider
WP0

Repository manager
Custom Work Types **WP0**

I would like to be able to create additional metadata attributes added to each work type to meet funder/institutional requirements

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Repository manager
Metadata Fields **WP0**

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)

Repository manager
Exports/ imports **WP0**

I would like to have CSV export and import to bulk load content, round-trip data for batch editing, and to migrate versions.

As a <type of user>, I want to <do something> so that <some value is created>

Feature developments and user stories

Repository manager **WP1**
DOI minting

I would like the ability to turn on (or off) the ability for my researchers to mint DOIs.

Repository manager **WP1**
DOI minting

I would like to mint a DOI for a deposited work in a registered or findable status.

Repository manager **WP1**
Auto-population of metadata f...

I would like to fill the metadata by supplying a DOI and the system automatically querying Crossref/DataCite and mapping the response to the given work type's attributes.

Repository manager **WP1**
Auto-population of metadata f...

End user
RIS citation related export
WP2

I would like to export citations to reference management systems such as Zotero, Endnote, and Mendeley.

End user **Stats Report Mailer**
WP2

As a researcher/ author, I would like to receive readership reports periodically or on demand by email.

End user
RIS citation related export
WP2

I would like to have 'Cite this item' button to produce a text citation that can be copied and pasted.

End user
RIS citation related export

Repository manager **WP3**
Integration with author identifi...

All works I add to the repository are also displayed under my ORCID record.

Repository manager **WP3**
Integration with author identifi...

I would like to see my list of deposited work in the repository under my author ID e.g. ORCID, ISNI

Repository manager **WP5**
Integration with metrics tools

I would like to see how much my work is being read, interacted with and reused to understand the value of the repository and to engage with my peers

Repository manager **WP5**
Integration with metrics tools

I would like to see how much a

Repository manager
User experience and interaction
WP4

I would like to be able to view file content in the browser without downloading it.

Repository manager
User experience and interaction
WP4

I would like to comment and annotate on the full-text file.

End user
User experience and interaction
WP4

I want to search, via the browser, the content of full text files.

End user
User experience and interaction
WP4

I want to search, via an API, the

Community input for prioritisation of features

Advancing Hyku project aims to reflect the needs of the Samvera community. We would like to have community feedback on the repository features which are either under development or planned for the next year in the project. This will help the project team to refine user stories that frame the needs and to prioritize the features to be implemented in Hyku2/3 during the project timeline.

Advancing Hyku feature prioritization survey

Your Vote Matters! Community Input for Advancing Hyku Feature Prioritization

Advancing Hyku Project works towards introducing significant structural improvements and new features to the Samvera Community's Hyku platform. We would like to make sure that the project reflects the needs of the Samvera Hyku repository adopters by collecting community feedback on the repository features. This will help the project team to refine user stories that frame the needs and to prioritise the features to be implemented in Hyku2/3 during the project timeline.

There are 21 features which are either under development or planned for the next year in the project. Each feature is explained with relevant user stories in the "Community input on AH features prioritisation" document. Please see the document at http://bit.ly/AHfeatures and feel free to make a comment to add additional user stories.

The data collected will only be used for purposes of Advancing Hyku Project and by the project partners, and will not be shared with third-party organisations without your consent.

Deadline to respond to the survey is 22 November.
Project website: https://advancinghyku.io

User Stories

#	Feature/ Task	WP	As a <type of user>	I want to <do something> so that <some value is created>
F1	Auto-expiration of embargoes and leases	WP0	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.
F2	Custom Work Types and Extended Metadata Attributes	WP0	Repository manager	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). 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
F3	Cross Tenant Search	WP0	Consortia/ service provider Repository manager	As a consortia/ repository manager, I would like to provide a meta-search in order to search across all tenant repositories within the consortium.
F4	JSON Metadata Fields	WP0	Repository manager	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)
F5	CSV Exports / Imports	WP0	Repository manager	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.

bit.ly/31xvjJe

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