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
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 Roadmap Oct 2020-Feb 2022

<table>
<thead>
<tr>
<th>Task Name</th>
<th>Q4</th>
<th>Q1</th>
<th>Q2</th>
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<td><strong>Assessment</strong></td>
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<td><strong>Work Packages</strong></td>
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<td>WP0: Hyku 2/3 Alignment</td>
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<td>WP1: OA Content Auto Population*</td>
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<td>WP2: IR Metrics, Phase 1*</td>
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<td>WP3: Author ID &amp; Profile Sync*</td>
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<td>WP4: In-Browser Full Text Display*</td>
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<td>WP6: Architecture Assessment Implementation</td>
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<td>WP7: IR Metrics, Phase 2*</td>
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<td>WP5: Preservation Pathways Implementation*</td>
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<td>WP8: Migration of Hosted Hyku (UVA)</td>
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<td>Annual Report, Year One</td>
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*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](https://github.com/samvera/hyku/pull/1632)
  - Enhanced the deposit form by adding Google Scholar meta tags:
    [https://github.com/samvera/hyrax/pull/4382](https://github.com/samvera/hyrax/pull/4382)
  - Enabled adding new deposit form metadata fields quickly and easily:
    [https://github.com/samvera/hyrax/pull/4453](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](https://github.com/samvera/hyrax/pull/4458)
  - Embargo and lease expiry:
    [https://github.com/samvera/hyku/pull/1648](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

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<th>Stakeholders</th>
<th>Communication strategy</th>
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<td>Communities</td>
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<tr>
<td>User groups</td>
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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

**User Stories**

- **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

- **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**
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.

**End user** WP2
**RIS citation related export**
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** WP2
**RIS citation related export**
I would like to have ‘Cite this item’ button to produce a text citation that can be copied and pasted.

**Repository manager** WP3
**Integration with author identification**
All works I add to the repository are also displayed under my ORCID record.

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

**End user** WP4
**User experience and interaction**
I want to search, via an API, the content of full text files.

**Repository manager** WP4
**User experience and interaction**
I would like to be able to view file content in the browser without downloading it.

**End user** WP4
**User experience and interaction**
I would like to comment and annotate on the full-text file.
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.
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

<table>
<thead>
<tr>
<th>#</th>
<th>Feature/Task</th>
<th>WP</th>
<th>As a &lt;type of user&gt;</th>
<th>I want to &lt;do something&gt; so that &lt;some value is created&gt;</th>
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<tbody>
<tr>
<td>F1</td>
<td>Auto-expiration of embargoes and leases</td>
<td>WP0</td>
<td>Repository manager</td>
<td>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.</td>
</tr>
<tr>
<td>F2</td>
<td>Custom Work Types and Extended Metadata Attributes</td>
<td>WP0</td>
<td>Repository manager</td>
<td>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.</td>
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<tr>
<td>F3</td>
<td>Cross Tenant Search</td>
<td>WP0</td>
<td>Consortium/service provider/Repository manager</td>
<td>As a consortial/repository manager, I would like to provide a meta-search in order to search across all tenant repositories within the consortium.</td>
</tr>
<tr>
<td>F4</td>
<td>JSON Metadata Fields</td>
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Discussion - Q&A