Advancing Hyku: Open Source Institutional Repository Platform Development

- $1M grant from Arcadia
- October 2019 - August 2021
- Aim: Support the growth of open access through institutional repositories by introducing significant structural improvements and new features to the Samvera Community's Hyku Institutional Repository.

https://advancinghyku.io/

What the Advancing Hyku project is NOT

- This project is not focused on building new institutional repository solutions.
- This project does not seek redirect resources from advancement of the Hyrax codebase. Code contributed for Hyku improvements will be available for community integration with Hyrax repository instances.
- This project does not claim that institutional repository population and use is the singular path to the future of open and sustainable scholarly communication.

Open thanks to Catherine Mitchell at CDL/UC, on whose excellent slide deck for another Arcadia-funded project, Next Generation Library Publishing, we based the format for today's presentation..

Project goals

I. Make the open source community institutional repository product Hyku a more attractive dissemination option.
II. Working with the global open infrastructure community, the partners will introduce significant structural improvements and new features to the Samvera Community's Hyku Institutional Repository platform.
III. Work toward sustainable, community-governed, open solutions that rival current best-of-breed commercial tools and that will propel scholarly communication forward.

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

UVA's commitment

Staffing…

- Ellen Catz Ramsey as PI for the project
- Sherry Lake as repository content owner

Contribute to project deliverables including…

- Migration case study: pilot and assess feasibility of transition from institution-supported repository to service-provider hosted Hyku instance

BL's commitment

Staffing…

- Rachael Kotarski as BL lead
- Hire project officer (0.5), will engage with wider Samvera & Hyku community
- Sara Gould as repository content owner

Contribute to project deliverables including…

- Pilot and assess platform architectural improvements (such as expanded API functionality)

UP's commitment

Staffing…

- Brian Hole as UP lead
- Elisa Barrett as project manager
- Hire 2.8FTE to serve as developers for the duration of project
- Hire 0.5FTE to serve as UX/UI designer for the duration of project

Contribute to project deliverables including…

- User interface assessment
- Code, implementation, contribution to community codebase of jointly created, component-specific platform development deliverables

Questions

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