

Building a Hosted Platform for Managing Monographic Source Materials and Born Digital Publications through Library/Press Collaboration

The Pilot Projects

Indiana University Press: *Sustaining Place through Music: Performance as Environmental Activism*, by Mark Pedelty, University of Minnesota. This book explores the vibrant eco-musical history and contemporary community of Cascadia (the towering mountains on the coast of Washington and British Columbia) in order to understand how environmentalist music imagines a more sustainable conception of place.

- interviews
- performance clips
- audio samples

University of Michigan Press: *A Mid-Republican House from Gabii*, edited by Rachel Opitz (University of Arkansas), Marcello Mogetta (Free University, Berlin), and Nicola Terrenato (University of Michigan). The Gabii Project is a major archaeological excavation focused on a primarily Archaic site near Rome in central Italy, conducted under the aegis of the University of Michigan.

- photographs
- scanned plans
- surveyed measurements
- written descriptions
- sketches
- 3D models
- interpretive essay

University of Minnesota Press: *A Cultural History of the Canoe*, by Mark Neuzil, University of St. Thomas, and Norman Sims, University of Massachusetts Amherst. Written by two historians who are also experienced canoeists and canoe builders, *A Cultural History of the Canoe* is a scholarly history of the canoe in North America and beyond; from its origins in the Caribbean and South Seas, through adoption by Europeans who wished to travel into the interior of North America, to its widespread use in the 20th century for leisure, recreation, and further exploration.

- photographs
- scanned plans
- surveyed measurements
- written descriptions
- sketches
- 3D models

Northwestern University Press: *The Director's Prism: E. T. A. Hoffmann and Russian Modernist Directors*, by Dussia Possner, Northwestern University. Possner's book examines the creative work of four of Russia's most significant avant-garde directors (Theodore Komisarjevsky, Vsevolod Meyerhold, Alexander Tairov, and Sergei Eisenstein) in the context of their fascination with German Romantic writer E. T. A. Hoffmann (1776–1822). From 1910 to 1922, when Hoffmann inspired a frenzy of activity that has been referred to as a "cult" of Hoffmann, these avant-garde directors transposed literary techniques from Hoffmann's stories and novellas to theatre and film, using them to refract, fragment, and otherwise artistically distort their world.

- directors' notes and designs
- archival photographs
- sound recordings
- film clips
- librettos
- musical scores

The Pennsylvania State University Press: *Nothing but Love in God's Water: Vol. 1: Black Sacred Music from the Civil War to the Civil Rights Movement*, and *Vol. 2, Black Gospel Music from the Civil Rights Movement to the Present*, by Robert Darden, Baylor University. This publication chronicles the history and role of music in the African American experience and explores how songs and singers helped African Americans challenge and overcome slavery, subjugation, and suppression. From the spirituals of southern fields and the ringing chords of black gospel to the protest songs that changed the landscape of labor and the cadences sung before dogs and water cannons in Birmingham, sacred song has stood center stage in the African American drama.

- interviews
- music performances
- video
- images
- links to external resources

The Platform Components

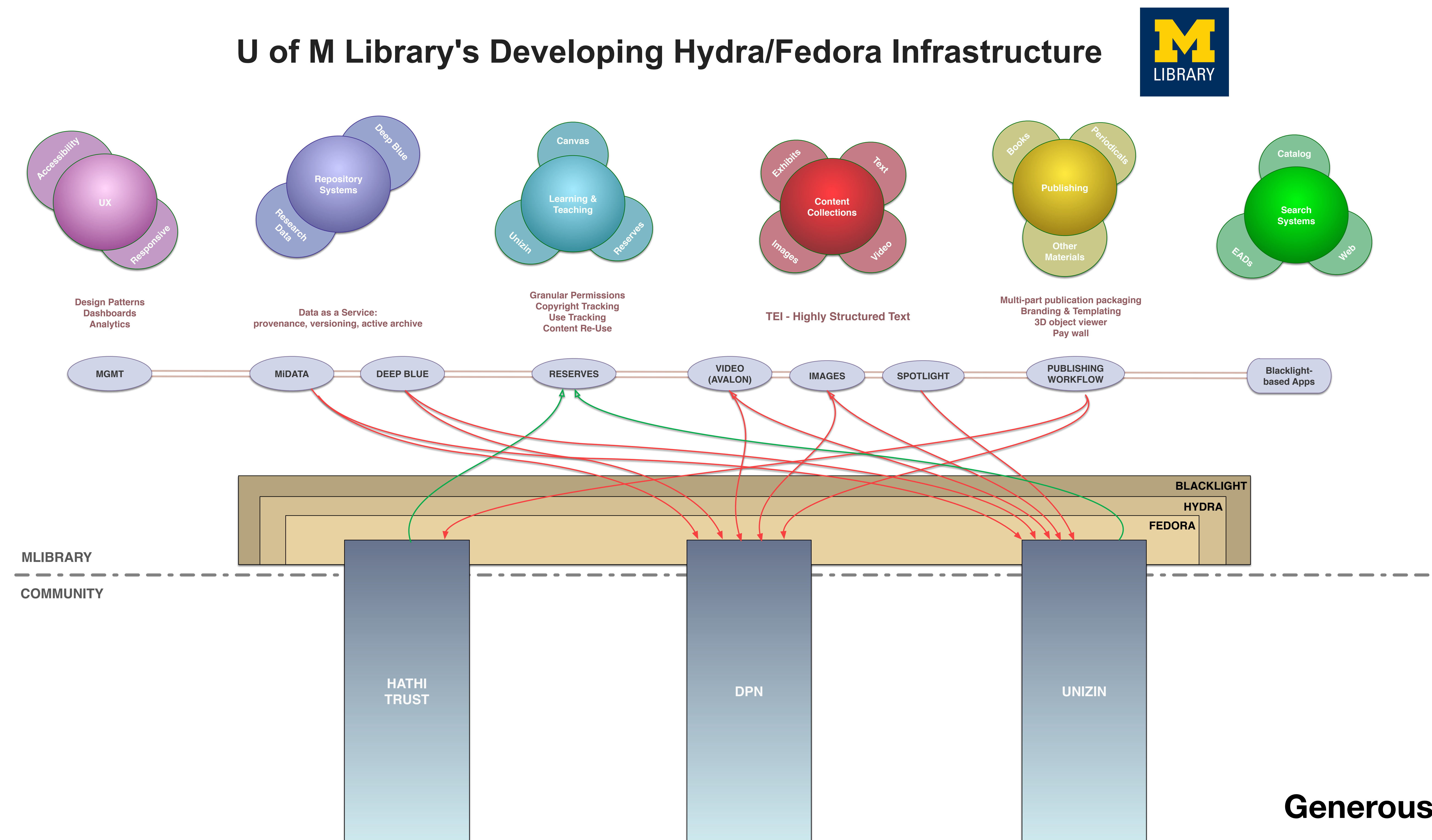
- **Publishing Workflow** head will support the submission, metadata creation, and access policy definition of source material content and route content to other appropriate heads based on content type. An existing Hydra head designed for the presentation of exhibitions (Spotlight) may serve as a basis for development. The Publishing Workflow head's critical design features include:
 - **Branding:** It must be able to support unique branding for each publisher template, including providing a distinct Open URL for each partner case study and using Search Engine Optimization (SEO) best practices to ensure correct representation in discovery services.
 - **Authentication:** It must have the capability to restrict access to content, potentially behind a paywall, as well as providing open access.
 - **Multi-part publication packaging:** It must include a framework to assemble media assets (text, images, video, etc.) into a single "volume". The media will be served from various Hydra heads designed to deliver their particular format (see below), with viewers embedded in the Publishing Workflow interface.

- **Management (MGMT)** head will provide tools for governing the organization and presentation of the publication and configuring the branded interface for each participating Press, while also providing an overview of repository objects associated with each Press. Stanford's Argo repository management and reporting module, which focuses on managing the integrity and curation of the whole Fedora environment, may provide a starting point for development work.
- **Institutional Repository** head will provide data publishing, sharing, and curation oriented to single, stable objects, as well as persistent linking to both locally hosted content and external sources that have persistent identifiers. This head will build on Sufia, developed at Penn State University as a Hydra implementation of an institutional repository submission and retrieval system.
- **Blacklight** will provide the ability for users of the companion websites to conduct full-text search of any texts.
- **XML Text Renderer** to perform the transformations from TEI or JATS XML to HTML for viewing in the browser. Existing XSLT libraries, including the XSLT used by Michigan's own DLXS platform, can be used or adapted for this purpose.

- **Analytics:** Rich usage statistics are essential for driving acceptance of, and enthusiasm about, the publication of digital scholarship. We will provide quantitative and qualitative analytics to authors, publishers, and sponsors in several ways:
 - An analytics dashboard viewable within the platform that will display basic usage statistics collected via the Google Analytics API, including visits, pageviews, pages/visit, bounce rate, average time on site, % of new visits, top pages, top referrers, and top searches;
 - A monthly report sent via email showing the basic usage statistics available in the dashboard; and
 - Access to the underlying Google Analytics account (separate interactive views for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browsers, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flows, and visitor locations (e.g., country, continent, city).
 - Allmetric.com will allow us to provide additional insights into the wider impact of these research publications to authors, publishers, and sponsors by tracking social media mentions, reports in news outlets, and other conversations about the work happening on the open web.

- **Image**, built on the Digital Image Library head (DIL) from Northwestern University for collections of still images.
- **Video/Audio**, built on the Avalon Hydra head from Northwestern and Indiana, for support of time-based media. Both the Image and Video/Audio heads will provide embeddable players for viewing and interaction from within the context of the assembled volume in the Publishing Workflow head.
- **Reserves** head will implement a number of functions specific to managing and providing access to library reserves, yet will be repurposable for scholarly publishing:
 - setting granular permissions, allowing a mix of publicly accessible items with items restricted to individual or institutional access;
 - content reuse and repurposing through different channels (e.g., via the Unizin digital learning platform);
 - a specific form of use tracking that meets requirements for learning analytics (e.g., providing information about who uploaded the item, what classes have re-used the same content over time, what semesters the content has been used in, which students have viewed it, when the file was last changed and who did it, and various other measures that relate specifically to class-based, copyright-restricted viewing).

U of M Library's Developing Hydra/Fedora Infrastructure



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