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

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The Pilot Projects

Indiana University Press: Sustaining Place through Music: Performance as Aesthetic and Act of Resilience, by John Fricker, University of Minnesota. This book explores the vibrant eco-cultural history and contemporary community of Cascadia (the towing mountainous region of the coast of Washington and British Columbia) in order to understand how environmental music creates a more sustainable conception of place.

University of Michigan Press: A 44th-Repubulican House from Gaius, edited by Deborah L. Daskal, University of Chicago, and Nicole Tenenbaum (University of Michigan). The Gaius 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.

University of Minnesota Press: A Cultural History of the Canoe in North America and Beyond, by Mark Newman. This book explores the canoe as a cultural icon of North America and the impact it has had on the development of the region.

Northwestern University Press: The Director's Room: C. T. A. Hofmann and Russian Modernist Directors, by Basia Barsa, Northwestern University. This book examines the creative work of four of Russia's most significant avant-garde directors (Theodore Komisarjevsky, Vasili Meyerhold, Alexander Tairov, and Sergei Eisenstein) in the context of their collaboration with General Hermann von Schiller (C. T. A. Hofmann) (1876-1922). From 1910 to 1922, when Hofmann inspired a frenzy of avant-garde directors to transpose literary techniques from Hoffman's stories and novellas to theatre and film, using them to reform the masses in otherwise arduously decontour their work.


- **U of M Library's Developing Hydra/Fedora Infrastructure**

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

**The Platform Components**

- **Publishing Workflow**: head will support the submission, metadata creation, and access policy definition of source material content and users to other appropriate records 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, enabling the provision of a distinct Open URL for each publisher 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 packaging: It must include a framework to assemble media assets (text, images, videos, etc.) into a single "volume". The media will be served from various Hydra heads designed to deliver that particular format (see below), with views embedded in the Publishing Workflow interface.

- **Management**: The Management head will provide tools for governing the organization and presentation of the publication and configuring the branded interface for each participating Press. It will also provide an overview of repository objects associated with each Press, including Argo repository management and reporting module, which focuses on managing the integrity and provenance of the whole Fedora environment, may provide a starting point for development work.

- **Institutional Repository**: this will provide data publishing, sharing, and discovery between to single, stable objects, as well as persistent linking to both locally hosted content and external sources that have persistent identifiers. This head will be built on Sufia, developed at Penn State University, as a Hydra implementation of an institutional repository subsystem and reference system.

- **Blacklight**: will provide the ability for users of the institution to conduct full-text searches of any text.

- **XML Text Renderer**: It must include a framework to assemble media assets (text, images, videos, etc.) into a single "volume". The media will be served from various Hydra heads designed to deliver that particular format (see below), with views embedded in the Publishing Workflow interface.

- **Data as a Service**: It must include a dataset with access to the underlying Google Analytics account (separate for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browser, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flow, and other locations (e.g., country, continent, city).

- **Development**: It must be able to support unique branding for each publisher, enabling the provision of a distinct Open URL for each publisher case study and using Search Engine Optimization (SEO) best practices to ensure correct representation in discovery services.

- **Responsive**: It must include a dataset with access to the underlying Google Analytics account (separate for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browser, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flow, and other locations (e.g., country, continent, city).

**The Platform Components**

- **Image**: built on the Digital Image Library head (DLIL) from Northwestern University for collections of still images.
  - **Video/Audio**: built on the Avanto 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 ensemble presentation.

- **Reserves**: head will implement a number of functions specific to managing and providing access to library reserves, yet will be reusable for scholarly publishing:
  - setting granular permissions, allowing a mix of publicly accessible items with items restricted to individual or institutional reserves;
  - 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 in Publishing Workflow.

- **URL for each publisher template, including providing a distinct Open URL for each publisher case study and using Search Engine Optimization (SEO) best practices to ensure correct representation in discovery services.

- **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 references, and top search terms.
  - A monthly report sent via email showing the basic usage statistics available on the dashboard.
  - Access to the underlying Google Analytics account (separate for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browser, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flow, and other locations (e.g., country, continent, city).

- **AdFree**: this 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.

- **TEI - Highly Structured Text**: It must include a dataset with access to the underlying Google Analytics account (separate for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browser, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flow, and other locations (e.g., country, continent, city).

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- **Granular Permissions**: It must include a dataset with access to the underlying Google Analytics account (separate for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browser, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flow, and other locations (e.g., country, continent, city).

- **Use Tracking**: It must include a dataset with access to the underlying Google Analytics account (separate for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browser, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flow, and other locations (e.g., country, continent, city).

- **Science**: It must include a dataset with access to the underlying Google Analytics account (separate for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browser, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flow, and other locations (e.g., country, continent, city).

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- **Content Re-Use**: It must include a dataset with access to the underlying Google Analytics account (separate for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browser, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flow, and other locations (e.g., country, continent, city).

- **Spots**: It must include a dataset with access to the underlying Google Analytics account (separate for each Press) which makes available the full range of metrics Google Analytics collects, including data on technology used (browser, operating systems, mobile/desktop), traffic channels (search, referrals, direct, social media), behavior flow, and other locations (e.g., country, continent, city).

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