

## **ESS Images**

Improving Management of Flexible Digital Collections Using Hyrax

Jim Halliday and Nick Homenda Indiana University Bloomington Samvera Connect 2019 October 24, 2019

INDIANA UNIVERSITY BLOOMINGTON

### Agenda

- 1. Project History
- 2. Completed work
- 3. Work in progress

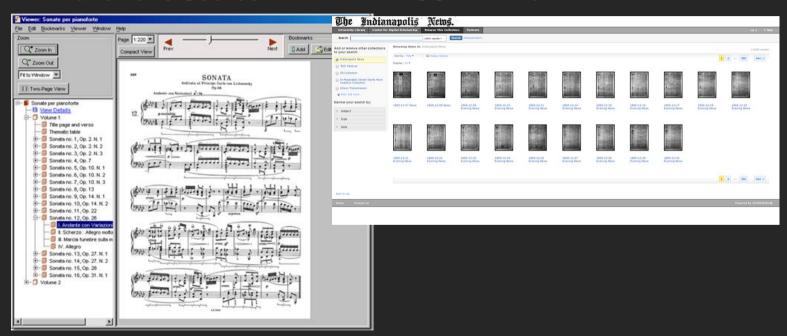
1.

# **Project History**

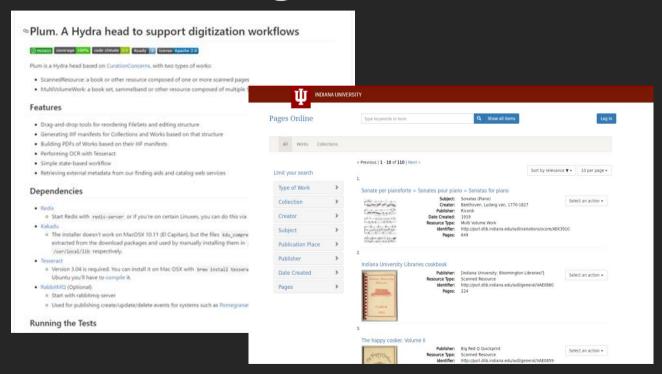
### **Legacy Services**

Variations Scores

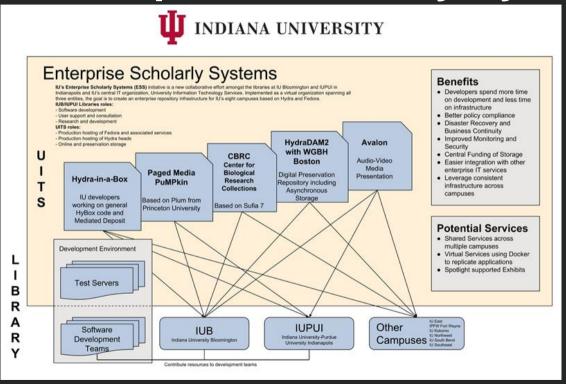
**CONTENT**dm



## **PLUM** → **Pages Online**



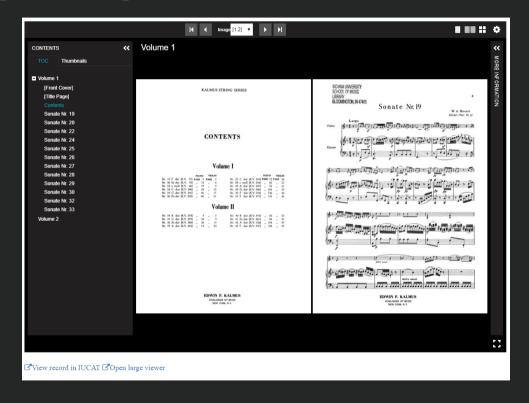
## **ESS: Enterprise Scholarly Systems**



### **NEW CHARGE**

November 2018

Expand Paged Media
Project to include image
collections features



### HYRAX

#### A really great re-starting point!







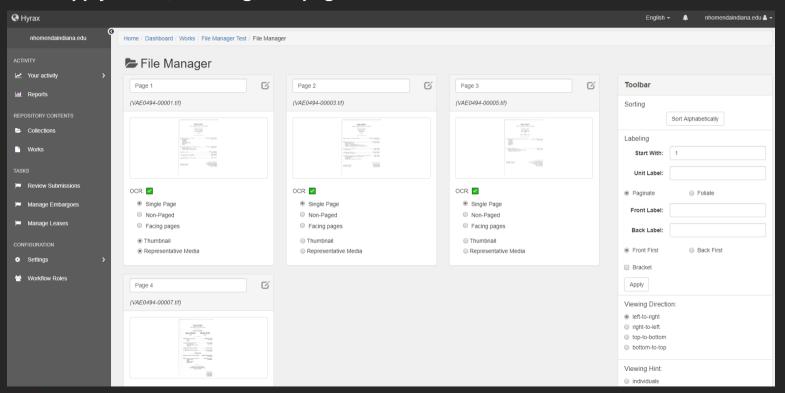


2.

# **Completed Work**

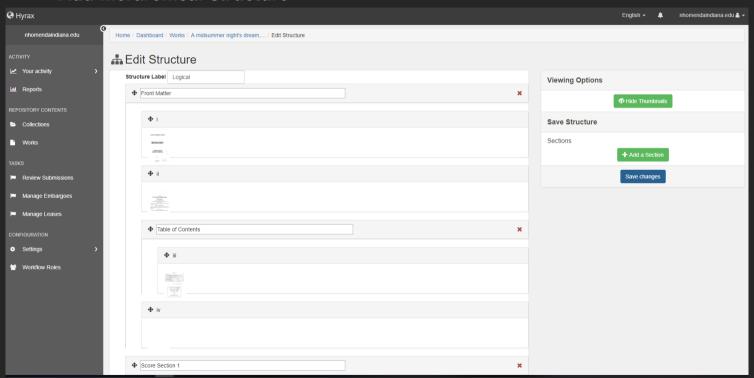
### **ESSI File Manager**

Apply labels, ordering, and pagination



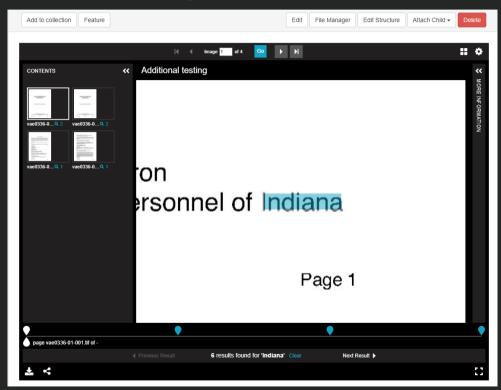
### **ESSI Structural Editor**

#### Add hierarchical structure



### **ESSI Search Within**

Based on community work around IIIF



3.

## **Work in Progress**

### Flexible Metadata in Hyrax – A Short History

- By default, Hyrax assumes uniform metadata across all items.
- Adding new fields requires changes in code.
   Lots of changes!



#### Flexible Metadata in Hyrax – A Short History

#### **Dog Biscuits and Scooby Snacks**

- Dog Biscuits and Scooby
   Snacks are two related
   attempts to implement flexible
   metadata.
- Put metadata field descriptions into configuration files rather than code.
- Changing fields required application restarts.



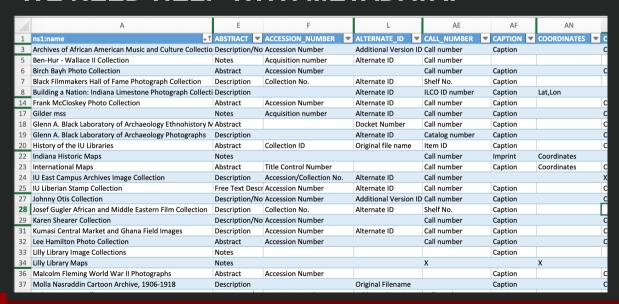
#### Flexible Metadata in Hyrax – A Short History

#### M3 Specification

- The Machine-Readable Metadata Modeling Specification (M3) Group has been working on a standardized way to specify metadata profiles
- Based on Dog Biscuits and Scooby Snacks
- Will provide an easy way to share metadata across repositories or institutions
- See <a href="https://github.com/samvera-labs/houndstooth">https://github.com/samvera-labs/houndstooth</a>

### A Big Problem

Many Collections +
Multiple Legacy Software Platforms +
Each with their own Metadata Application Profile =
WE NEED HELP WITH METADATA!



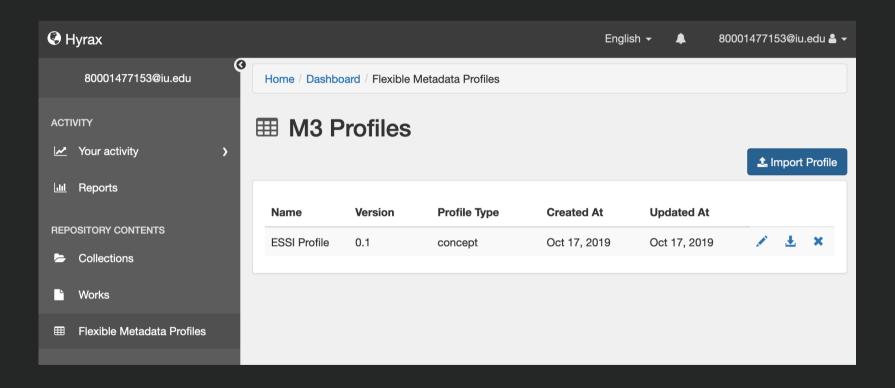


### A Big Problem

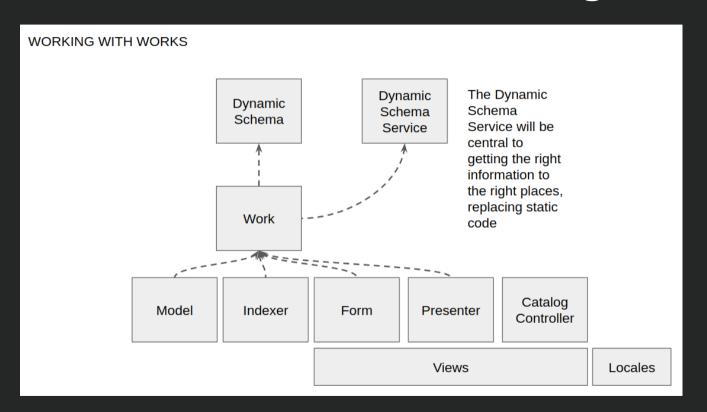
- Existing solutions still require editing configuration files and/or generating code
- We need a truly flexible approach that allows service managers to create collections for a variety of users



### Flexible Metadata Modeling



### Flexible Metadata Modeling

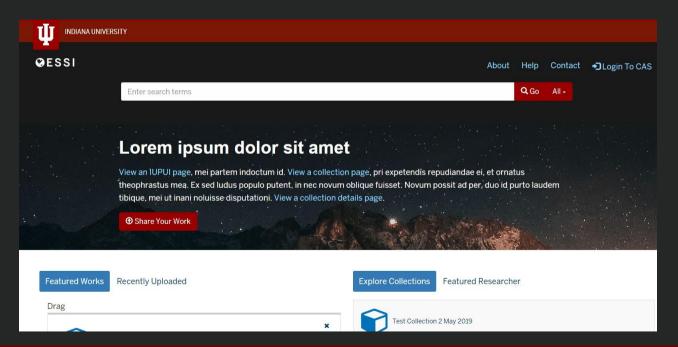


### **Workflow Integration**

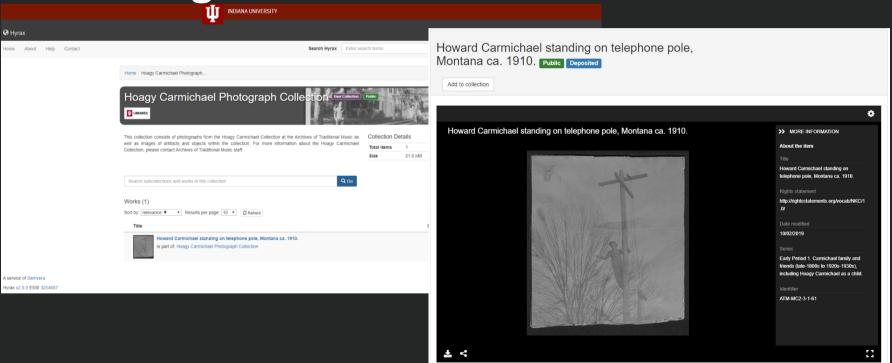
- Out of the box, Hyrax assumes individual upload of items via the web
- We have very stable mechanisms for bulk upload, storage (SDA) and derivative creation
- We are working to integrate these to allow flexibility for item ingestion

### **Branding and Collections**

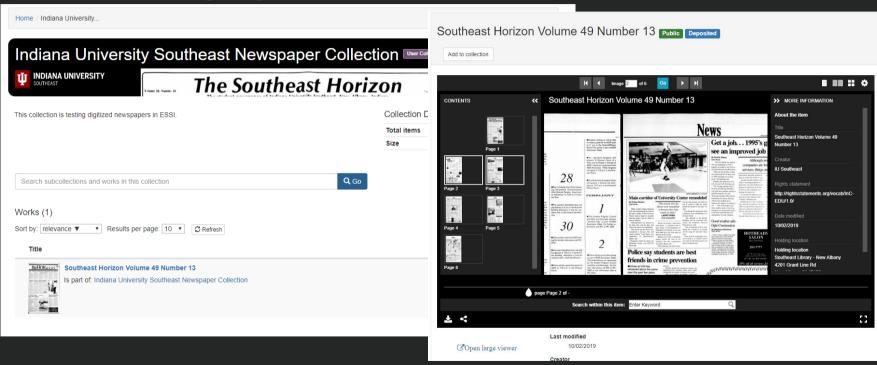
Collection Administrators will be able to customize collections without developer assistance



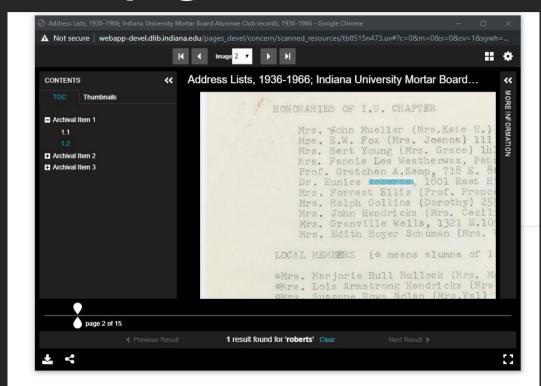
## Image collections



## **Newspaper collections**



### **Archival paged content**



#### Thanks:

- Indiana University Purdue University Indianapolis
- Notch8
- Newspaper Works (Boston Public Library, University of Utah via IMLS)

https://github.com/IU-Libraries-Joint-Development/essi



#### **INDIANA UNIVERSITY** BLOOMINGTON