Let's build one repo for data and documents with Hyrax

Martha Stuit, Nabeela Jaffer, Jose Blanco Samvera Connect 2019, St. Louis, MO October 24, 2019, 3 p.m. - 3:25 p.m.

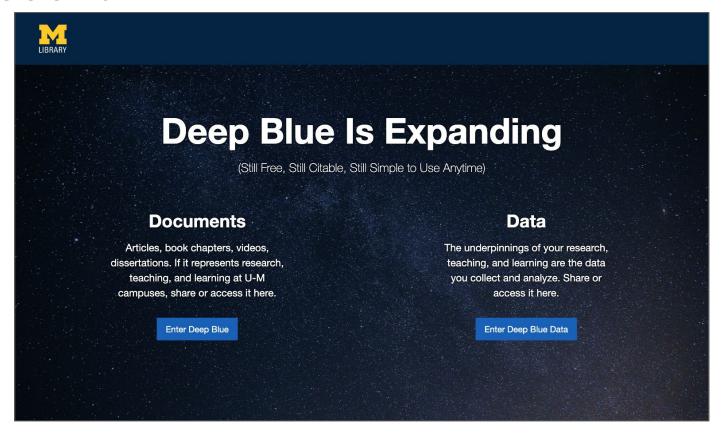


Agenda

- 1. Overview of the repositories
- 2. Collaboration between the service team and IT
- 3. Roadmap and MVP going forward
- 4. Migration and other technical challenges

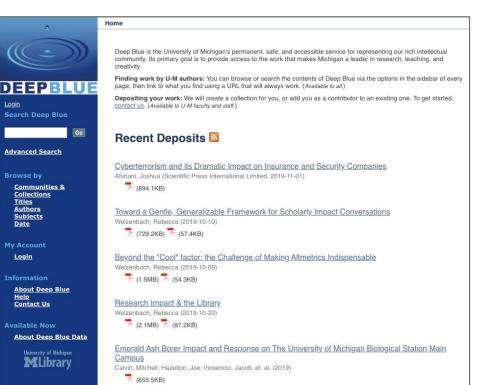


Present

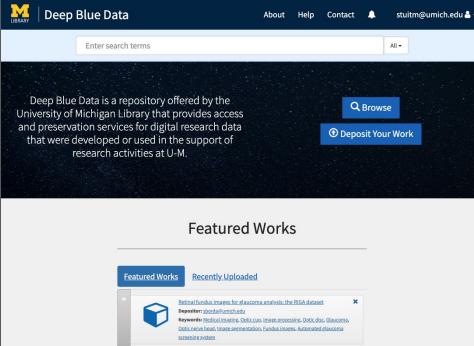




Documents



Data





Background

Deep Blue Documents:

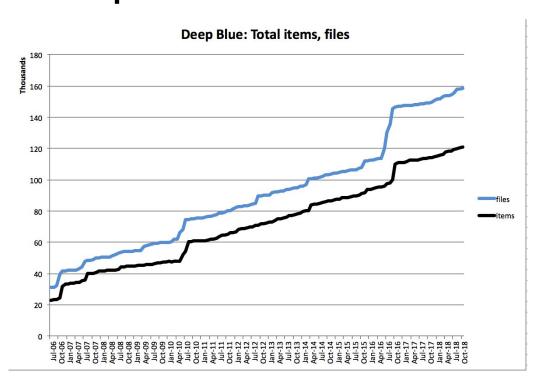
- In production since2006
- DSpace

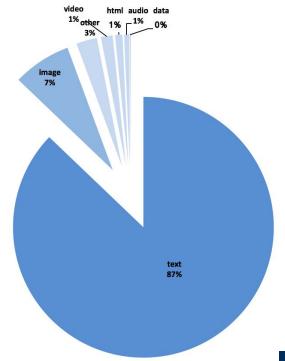
Deep Blue Data:

- In production since 2016
- Hyrax 2.x



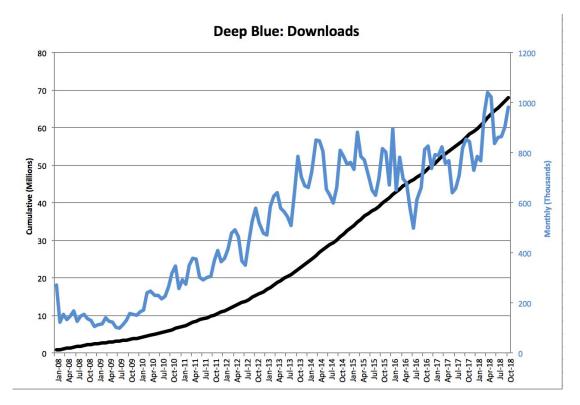
Deep Blue Documents: Stats







Deep Blue Documents: Usage Analytics





Deep Blue Data: Stats

Total works: 287

Total file sets: 6013

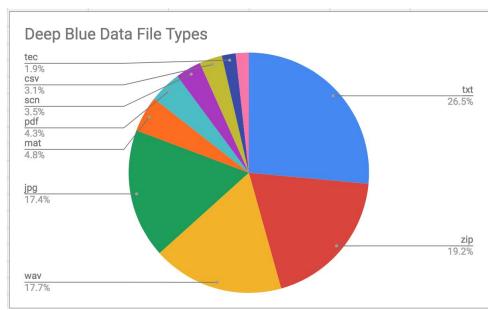
Total works size: 11.1 TB

Unique authors: 103

Repeat authors: 17

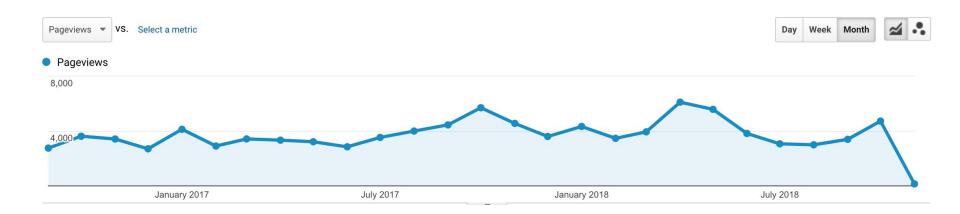
Unique depositors: 92

Repeat depositors: 22





Deep Blue Data: Usage Analytics





Collaboration between service and IT

- Deep Blue Unity Group (DBUG)
- Deep Blue Service Team



Deep Blue Unity Group (DBUG)

- The work of this group was to define a Minimum Viable Product (MVP) for the shared repository. This MVP was based on what features and capabilities each repo currently has.
- Content in each repository, as well as user needs and expectations, are unique.
- Deep Blue and Deep Blue Data have also developed individual approaches and strategies in their policies and services. We are doing an in-depth review of current practices to reconsider for merging.

Collaboration between service and IT

- Deep Blue Service Team
 - Subgroups or pairs from the strategic roadmap:
 - Code development
 - Infrastructure
 - Data migration
 - Identifiers
 - Policy work
 - Metadata
 - Usability

- User interface and accessibility
- Workflow
- Usage stats
- Search and discovery
- Admin functionality



Any questions?



Deep Blue Roadmapping

Α	В	С	D	E	F	G		
CATEGORY	WHO IS RESPONSIBLE	ACTIVITIES	NOW / SOON / LATER MAPPING					
			Sep-Dec 2019	Jan-April 2020	May-Aug 2020	Sep-Dec 2020		
CODE DEVELOPMENT								
	Fritz & Nabeela	Feature gap and effort analysis						
		Feature development						
INFRASTRUCTURE								
	Noah & Susan	Monitor puma thread pool						
		Document server-side ingest						
		Confirm Fedora's fixity provisions						
		Outline token download / offloading						
DATA MIGRATION								
	Jose & Nabeela	Sample data migration (50K)						
		Report on lessons learned						
		list of code changes required to support the data migration						
IDENTIFIERS								
	Jake & Jim	Altmetrics				LIBRARY		
		DOI & Handles						

Deep Blue MVP

A		В		С	D	E	F
STATUS		TYPE		USER STORIES	EFFORT	DEPENDENCY	WHEN
Header & Foot	er						
Done	•	MVP	•	Every page has a header and footer			
Done	*	MVP	*	Header contains: Home, About, Help, Contact, and Login.	XS		
Needs Review	~	MVP	•	Footer contains: Policy and Terms of use, Questions or Contact Us by email or using the contact form, copyright statement and powered by Samvera	S M		
To Do	*	MVP	~	Library icon takes the user to the main library page	L		
Homepage					XL		
Done	~	MVP	~	As a Known User, I want to have an easy access to the deposit button so I can deposit my work.	·		
Done	-	MVP	~	As a Guest User, I can only search and browse the site, and do not have access to deposit	•		
Done	.	MVP	-	As a Guest User, I want to login with UM crediantials so that I can access website as a 'Known User'	*		
Done	.	MVP	~	As a Guest User, I want to see the featured deposits so that I can click on the deposit and see the details			
Needs Review	~	Expected	~	As a Guest User, I want to see the recent deposits so that I can click on the deposit and see the details	*		LIBRARY
<u> </u>		M /B		As an Admin, I want to feature a work on the work details page so that			

DBU Challenges:

Working with Open Source Community (Samvera and Fedora)

Data Migration

- Users
- Items and files
- Relationships

Policy

- Access
- Deposits: Mediated vs Self
 Deposit
- Handles vs DOI
- Collections configuration

User **Expectations**



Any questions?



Data migration from DSpace to Hyrax

- Perl script to extract metadata from the dspace db, create yml files for each item
- Using in-house import script and the created yml files, import the records.

Outstanding Issues

- Include file description metadata for file, this is missing.
- Permissions of work and files not done. This is a big and complex issue. Embargo items. Items
 restricted on a time range basis. Items restricted by IP address.
- More rigorous metadata mapping needed.
- Handle server resolution must still to be done.
- Characterization of the files must be done as a background process.
- UTF-8 character encoding verification.
- Became obvious how necessary the short/long display in dspace is valuable.
- Mapping of collection to works not done.



Thank you! Questions?

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