Dissertations in IUScholarWorks

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Overview

- Project Overview
- Permissions and Copyright
- Technical Details
IUScholarWorks

- Set of Services
- Institutional Repository
- DSpace Software
- Collections and Communities
Dissertations

- PhD dissertations
- Open Access
- Persistent URL
- Indexed in Google
- Preservation
Current Environment

- Graduate School Requirements/Options
  - Print
  - Electronic
  - Student submits to Proquest
    - Can pay OA fee ($95)
    - Can register copyright ($65)
    - Can embargo (6mo, 1yr, 2yr)
    - Student supplies abstract, keywords, etc.
Current Process

- Proquest sends the student-submitted files back to the library
Current Process
Current Process

- List of dissertations that are available but hidden
Copyright

- 1976 Copyright Act, Section 106
  - Reproduce
  - Distribute
- Life of the Author + 70
- Embargoed for 200 years

- IU IP Policy
- Permissions needed
Track ‘em Down

- Alumni Association
- Departments
- Google
- LinkedIn
- Facebook
Begging
Contact!

- Email is sent explaining project
- Link to permissions form
- Can attach a Creative Commons License
- Can embargo
Keeping track of Excel Spreadsheet

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By the Numbers

- 800 Dissertations + 908
- 665 Authors Contacted
- 134 Authors Not Found
- 86 Gave Permission
- 67 Posted
- 35 Declined
- 2 Embargoed
Future Non-Technical Developments

- Work more closely with the Graduate School to obtain permissions earlier in the process
- Statewide IT Conference
- Education and Outreach efforts
Technical Objectives

- Implement a drop box processor for automatic ingestion of content
- Implement an embargo system for hiding of records (bitstreams and metadata)
- Synchronize dissertation metadata between DSpace and IUCAT
Drop Box Processor

- Originally Perl, ported to Java and integrated into DSpace code base
- Uses an XML-based collection file to specify collection parameters
- Can be used for ANY arbitrary DSpace collection
- Generic enough to be used by non-IU institutions
- Can create new items, and also update existing items (bitstreams and/or metadata)
Drop Box Processor – Basic Functions

- Examine incoming folders (possibly zipped)
- Perform any needed XSL transformations to create DC metadata, bitstreams, contents lists, and author lists
- Ingest items into DSpace, including bitstreams, using the ItemImport class
- Automatically set embargo terms
- Email results, including handle URL’s
- Move original files to backup location
collection.xml sample

<collection>
  <collectionName>DISSERTATIONS</collectionName>
  <metadataTransformer>UMItoDSpace.xsl</metadataTransformer>
  <eperson>sample@indiana.edu</eperson>
  <handle>2022/3086</handle>
  <embargoMonths>2400</embargoMonths>
  <adminEmail>sample@indiana.edu</adminEmail>
  <dspaceLoc>https://scholarworks.iu.edu/handle/</dspaceLoc>
</collection>
Drop Box Processor – Current Use

- Drop Box Processor is currently in production use for the dissertations collection, as well as The Medieval Review.
- The Medieval Review drop box transforms a single XML file into both DC metadata and an HTML bitstream.
Embargo Patch

- Our starting point for embargoes: Johns Hopkins DSpace patch to use embargoes in DSpace 1.5.1
- New database table stores embargo information on an item-by-item basis
- Embargoes can be enabled for any collection in the repository
Embargo Patch - Customizations

Our customizations fell into 4 main areas:

- Keep metadata completely hidden for embargoed items
- Alter embargo terms without removing embargo
- Allow admins to view hidden items
- Keep search and browse indexes up-to-date
Embargo Patch - Customizations

Metadata should be completely hidden

- Items should not appear in OAI output
- Items should not appear in search and browse
- Item will not show in total item counts
- Item title should not appear when accessing item’s handle
2022/6947

This item is currently embargoed, and is not available.
Embaro Patch - Customizations

Alter embargo terms without removing embargo

- Interface changes (Java and Javascript) to allow an admin user to change, remove or add embargo
- Our embargo terms include a ‘pseudo-infinite’ term of 200 years
- Other terms include 6 months, 1 year, and 2 years
Modify item: 2022/8959

Choose an embargo time period for this object. The embargo start date will be the current date.

- No Embargo
- 6 months
- 1 year
- 2 years
- 200 years

Modify Embargo  Return
Embargo Patch - Customizations

New java class (IUSWEmbargoTask.java) runs nightly

- For items where the embargo has recently expired, make sure item is in search and browse indexes
- For items still under embargo, make sure item is included in a (password-protected) HTML page that lists all embargoed items
Future Work

- Synchronization between IUCAT and DSpace
  - Notify Technical Services when dissertation made public, provide Handle
  - Overlay IUCAT record to enrich DSpace metadata
- Upgrade DSpace version
- Make our code public
Credits

- Magician Clip-Art from Microsoft
- Dog Image: http://www.flickr.com/photos/suzie/4121940187/
Questions? Comments?

Contact: Jim Halliday (jhallida@indiana.edu)
Sherri Michaels (shmichae@indiana.edu)

Repository website:  
https://scholarworks.iu.edu/dspace/

Dissertations collection:  
https://scholarworks.iu.edu/dspace/handle/2022/3086