CHOOSING THE RIGHT IR PLATFORM FOR UL LAFAYETTE

2019 SOUTHERN MISS INSTITUTIONAL REPOSITORY CONFERENCE

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Edith Garland Dupré Library
University of Louisiana at Lafayette
BRIEF HISTORY OF UL ARCHIVES

• Edith Garland Dupré Library built in 1960; Archives around 1965
  • Called Southwestern Archives and Manuscripts Collection

• First archivist was history professor interested in agriculture and rice industry; no real organization

• Collections reprocessed to professional standards in 1983
  • University Archives and oral history reorganized and implemented
NEED FOR IR

- Showcase, preserve, share scholarship
- Exhibiting digital holdings

Registry of Open Access Repositories

<table>
<thead>
<tr>
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<th>2010</th>
<th>2019</th>
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<tbody>
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<td>U.S.</td>
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<td>845</td>
</tr>
<tr>
<td>World</td>
<td>1900</td>
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TRANSITION TO DIGITAL

• Digital initiatives as early as 2000s

• Some collections posted on the Louisiana Digital Library

• Digitization Archivist formed
  • Born out of Assistant Dean of Special Collections Services
  • Main objective: Jumpstart UL digitization program
EARLY IR INITIATIVES

• Early-Mid 2000s: Discussions for IR begin

• 2009-2011: Sample servers & Project Bamboo

• 2012: Presentations from bepress

• 2016: Proposal to Graduate Council
DIGITAL COMMONS FROM BEPRESS

• Advantages
  • Unlimited storage space and support
  • Great design interface and services
  • Discoverability

• Disadvantages
  • Very expensive
  • Limited flexibility
  • Elsevier Buy-Out
ISLANDORA ONDEMAND FROM DISCOVERYGARDEN

- Access to all Islandora modules and solution packs
- Initial customization by support
- Technical maintenance and reports
- Great deal for current needs
ADVANTAGES AND DISADVANTAGES

**Advantages**

- University submits materials; Islandora maintains system
- Attractive and simple interface with limited adjustment

**Disadvantages**

- Does not take care of all needs
- Support, while helpful, is limited
UL-LAFAYETTE IR BASICS

- Powered by Islandora OnDemand, a software as a service provided by Discovery Garden

- Open-source digital repository system based on Fedora Commons (back-end repository), Drupal (front-end web site), Solr (search and retrieval), and a host of other modules and applications

- Faculty, students, staff, research fellows, and faculty emeriti may submit materials

- Organized by college/school, research centers, and university organizations, each containing individual departments
RESOURCE TYPES

- Text – PDF, DOC, DOCX, TXT, CSV, HTML, PPT, ODT, and others (converted to PDF upon ingest)
- Images – JPEG, GIF, or PNG
- Large Images – TIFF or JP2
- Audio – WAV or MP3 (up to 2048 MBs)
- Video – AVI, MP4, MOV, OGG, and a few others (up to 2048 MBs)
- Others include citations, finding aids in XML, TEI documents in XML, binary data, disk images, WARC files (all require content models, modules, and viewers installed)
WHO HAS ACCESS

• Users – researchers and the general public who can view materials

• Authenticated Users – departmental representatives who submit materials and have limited privileges

• Administrators – library, special collections, and IT staff who manage the IR and review/approve submitted materials
SUBMISSIONS PROCESS

• First, contact the Dupré Library, Head of Special Collections, to obtain an account
• Navigate to your affiliated department, research center, or organization
• Once inside the folder, click Manage tab
• Click Add an object to this collection
• Select the content model that best fits the format of content
• MARCXML option for importing library catalog record
• Add the appropriate metadata (default MODS form)
• Upload content (e.g. PDF or image) and select Ingest
SUBMISSIONS PROCESS (CONT’D)

• An administrator will review and approve submitted materials
• User will not be able to view the ingested object and metadata until approved by an IR administrator
• User can submit content to more than once collection (Share or Migrate object to another collection)
• Option to set an Embargo on submitted content
• User should check with their publisher to see which versions of the work (preprint, postprint, published) are permitted on the IR. For more info, visit the SHERPA/RoMEO website at http://www.sherpa.ac.uk/romeo/index.php
DIGITAL OBJECTS AND DATASTREAMS

• Each digital object in the IR is composed of several “datastreams”

• Datastreams include the content itself (e.g. JPEG, PDF), Dublin Core and MODS records in XML, RELS-EXT file in RDF, OCR’d text file, and thumbnail

• Can replace all datastreams except RELS-EXT

• Can edit only MODS

• Can regenerate the TN (thumbnail image) or add if one is missing
ISLANDORA VIEWERS INSTALLED

• Internet Archive BookReader – text

• OpenSeadragon – images

• Video.js – audio/visual
CONTENT MODELS AND FORMS

- Digital objects require a content model for ingest (determines object behavior and metadata elements)

- Content Models each have their own MODS form (e.g. Audio, Basic Image, Collection, Compound Object, Book, Newspaper Issue, Thesis, Video, etc.)

- You can edit the metadata in the MODS record

- You cannot edit any MODS form provided by the developer
SOLR INDEX

- Search and retrieval system for Islandora objects and metadata
- User may sort results alpha-numerically by ingest creation date or title
- Narrow the search by facets (topic, genre, geographic, etc.) within each collection or browse facet pages
- User can also select list or grid view (UL-Lafayette IR is set to list view)
- Solr Index is automatically updated regularly
CONFIGURING SOLR INDEX

• Primary Display – set to list, grid, or table view and number of results per page

• Display Fields – add, configure, and remove DC and MODS fields to be displayed for each and every search result (e.g., dc.title, dc.date, mods_subject_topic)

• Sort Fields – create fields by which user can sort listings (CreatedDate, Title)

• Facet Fields – each displayed in sidebar and set by MODS elements (e.g. mods_typeOfResource, mods_subject_topic)

• Facet Pages – A-Z browse pages based on DC or MODS fields and create Drupal page or block
THE IR TODAY

UL Lafayette Institutional Repository

Home of the scholarship of the University of Louisiana at Lafayette.

Featured Collections

1998 COE ACADEMIC SHOWCASE
LOUISIANA ACCELERATOR CENTER
OPELOUSAS AND ATTAKAPAS DISTRICT BRAND BOOKS, 1739-1944

Recently Added Items

Brand Book, Vol. 2 (1888-1944), Part 3
Cattle brand book for brands registered in Lafayette, St. Landry, St. Martin, St. Mary and other Parishes of south Louisiana from 1888 to 1944. Part 3 of 3 includes pages 161-215.

Brand Book, Vol. 2 (1888-1944), Part 2
Cattle brand book for brands registered in Lafayette, St. Landry, St. Martin, St. Mary and other Parishes of south Louisiana from 1888 to 1944. Part 2 of 3 includes pages 81-160.

Brand Book, Vol. 2 (1888-1944), Part 1
Cattle brand book for brands registered in Lafayette, St. Landry, St. Martin, St. Mary and other Parishes of south Louisiana from 1888 to 1944. Part 1 of 3 includes pages 1-80.

Brand Book, Vol. 1 (1739-1888), Part 7
Cattle brand book for brands registered in Lafayette, St. Landry, St. Martin, St. Mary and other Parishes of south Louisiana from 1739 to 1888. Part 7 of 7 includes pages 541-620.

https://ir.louisiana.edu
MOVING FORWARD

• Promoting the IR

• SACS Accreditation
  • Section 11 of 2018 Principles of Accreditation
    • “The institution provides adequate and appropriate library and learning/information resources, services, and support for its mission” (SACSCOC, 2017, 26)*
  • Quality Enhancement Plan
    • Undergraduate research activities

• Concerns from Faculty

QUESTIONS

UL Lafayette Institutional Repository:
https://ir.louisiana.edu

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