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# Rosetta in an Academic Library

Presented 11 September 2011 at  
IGeLU 2011

IGeLU  
Conference &

Ex Libris  
Systems Seminar

Haifa, Israel, September 11-16, 2011



# Binghamton University (SUNY)

*Binghamton University, one of four comprehensive doctoral research universities within the State University of New York, is recognized for stellar academics, an international focus, high graduation rates and overall value*

- Undergraduates: **11,706**
- Graduate students: **3,007**
- Average SAT score range: **1190-1340**
- Average ACT score range: **26-31**
- Top 25% of high school class: **85%**
- In the past 10 years, **91-93%** of freshmen returned for their sophomore year
- Students of color: **33.3%**
- International students: **10%**

***Students come from all 50 states and 100 countries***



# Binghamton University (SUNY)



**Binghamton University:**  
*"The premier public university in the northeast"  
and "best buy"  
(Fiske Guide To Colleges, 2010)*

- **#1 in 2011** as a best value among the nation's public colleges for out-of-state students and **#5 overall** (*Kiplinger's Personal Finance, 2011*)
- **One of the nation's top 50 public universities** for the **13th consecutive year** (*U.S News & World Report, 2010*)
- **#6 best value for public universities** based on academics, cost of attendance and financial aid (*The Princeton Review Best Value Colleges for 2010*)
- **8<sup>th</sup> most selective public university** (*U.S. News & World Report, 2008*)
- **16<sup>th</sup> among public universities** and **57<sup>th</sup> among all public and private universities** in the nation (*Forbes, 2008*)
- **School of Management ranked 18<sup>th</sup> best public business school** in the U.S. (*Business Week, 2010*)
- **4-year graduation rate of 80%** is **3<sup>rd</sup> best in U.S.**, with **60%** continuing to graduate or professional schools



09.09.2011 11:09



# Collections Profile



**2,409,043**  
Volumes  
(print, gov. documents,  
and electronic books)

**93,414**  
Print & e-Journals,  
Serials & Orders



*A Map of the Night*  
Jordan Smith. The Antioch Review. Yellow  
[Abstract](#) | [Full text](#) | [Full Text](#)




**1,869,980**  
Microforms &  
Microfiche

**118,948**  
Sound Recordings  
(phonodiscs, CDs, audio  
cassettes, DVD audio)



**2,951**  
CD-ROMs



**120,959**  
Maps

**3,751**  
DVDs &  
Videocassettes



**234**  
Electronic  
Databases



**1,077 linear feet**  
Archives & Manuscripts

# Our Facilities

## Three Libraries

**Bartle**

**Science**

**UDC**



**All three contain  
Information Commons  
& circulate wireless  
laptops/netbooks.**

**Bartle is open 24x6  
noon Sunday  
till midnight  
Friday;  
Saturday noon  
till midnight**



**Library Annex@Conklin**  
**Contains 350,000 volumes of infrequently  
used research materials**

**Annex Reading  
Room Hours:  
Monday - Friday  
9AM - 4PM**



ba's 44 chapters in the United  
is support partners and commu-  
s to provide education to these  
while attempting to instill  
reness about related matters like  
siness, health and savings.



**Digitizes articles  
on demand and  
sends to faculty  
via email**

# Digital preservation: A definition (1 of 2)

- A “series of managed activities necessary to ensure continued access to digital materials for as long as necessary”
- “Actions required to maintain access to digital materials **beyond the limits of media failure** or technological change.”
- “materials may be records created during the day-to-day business of an organisation; “born-digital ... or the products of digitisation projects.”





# Digital preservation: A definition (2 of 2)

- JISC Beginner's Guide to Digital Preservation elaborates:
  - **Managed:** Digital preservation is a Management problem.
  - **Activities:** The policy needs to filter down to a list of processes: tasks that can take place at specified times and in specified ways.
  - **Necessary:** What needs to be done. How long do you want to preserve the objects for? Discussions about the activities needed to achieve a level of preservation are necessary.
  - **Continued Access:** Access is the key here. Most objects in the public sphere are preserved to support access and retrieval.
  - **Digital Materials:** Digital materials, digital objects, call them what you will. This is the stuff you are preserving. Different objects require different processes.

# Why digital preservation? (1 of 2)

- Local Content as the Future of Academic Libraries?
  - At least in regards to Physical Collections?
  - Google Books, HathiTrust
  - To a large degree the material under the “Bell Curve” (journals, gov’t docs, etc.) is already being “managed” outside of libraries




# Why digital preservation? (2 of 2)

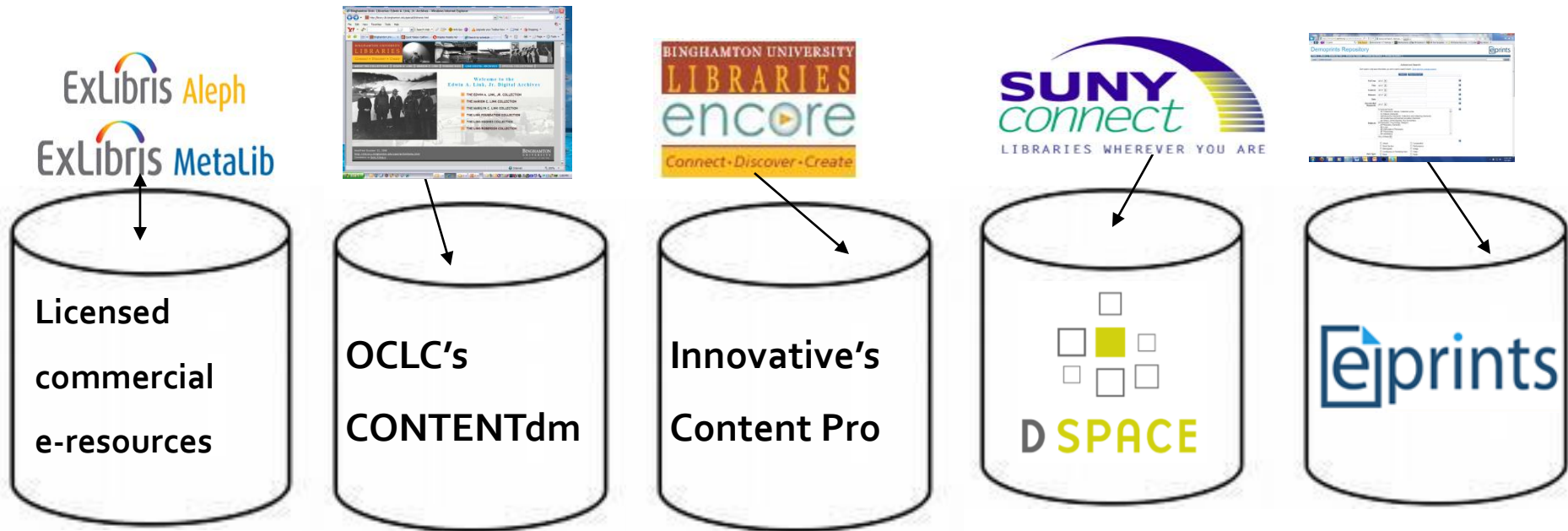
- Furthers the role of libraries to the digital world
- Not a new idea, a new format
- Majority of new material is published in digital format (Scholarly Articles, Campus newsletters, Course catalogs, Web sites...)
- *“Digitization for Access is Not Preservation;  
Without Preservation, There is No Access”*



# Rushing to Digital Access

- As libraries transition from print to digital, librarians must insure that all traditional library values and services migrate together: Selection, Acquisition, Description & Classification, Preservation and Access.
- Unfortunately, many librarians, mesmerized by the ease of digital access and Google's digitization program, have neglected some of these basic tenants of librarianship.
- Disclosure – we rushed into digitization ourselves and experimented with OCLC's **CONTENTdm**<sup>®</sup>, Innovative Interface's **Content Pro**, SUNY's **DSpace** and 

# Results of our Rush to Digitization: Unlinked Digital Collections & Interfaces with No Preservation

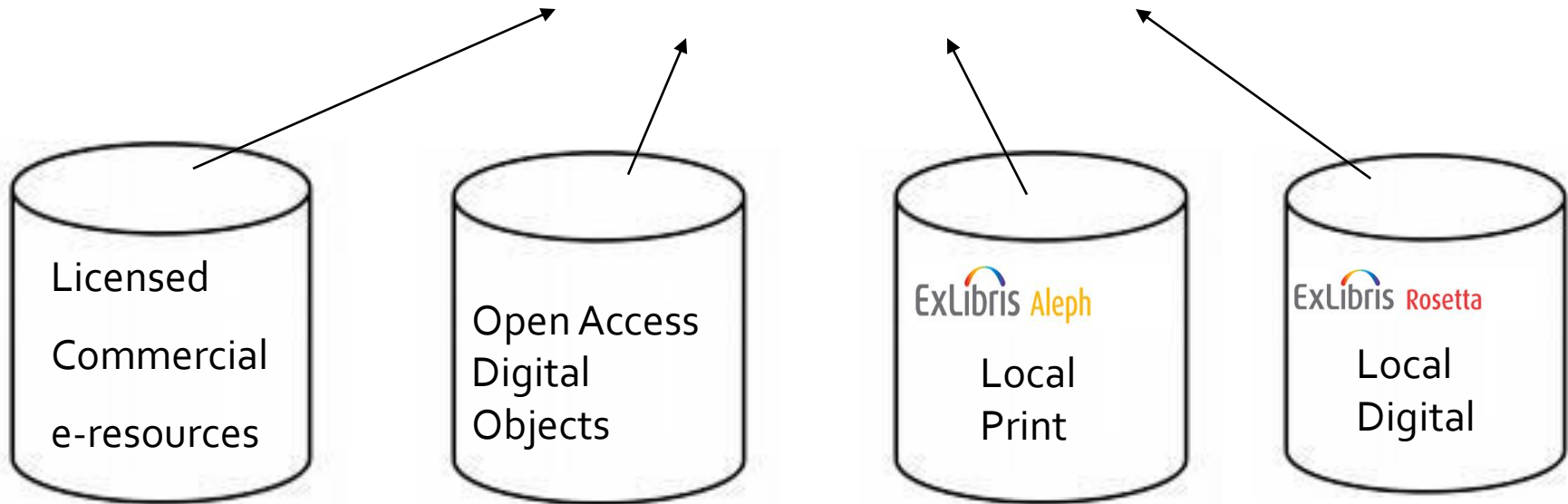


# What We Learned; The Need to:

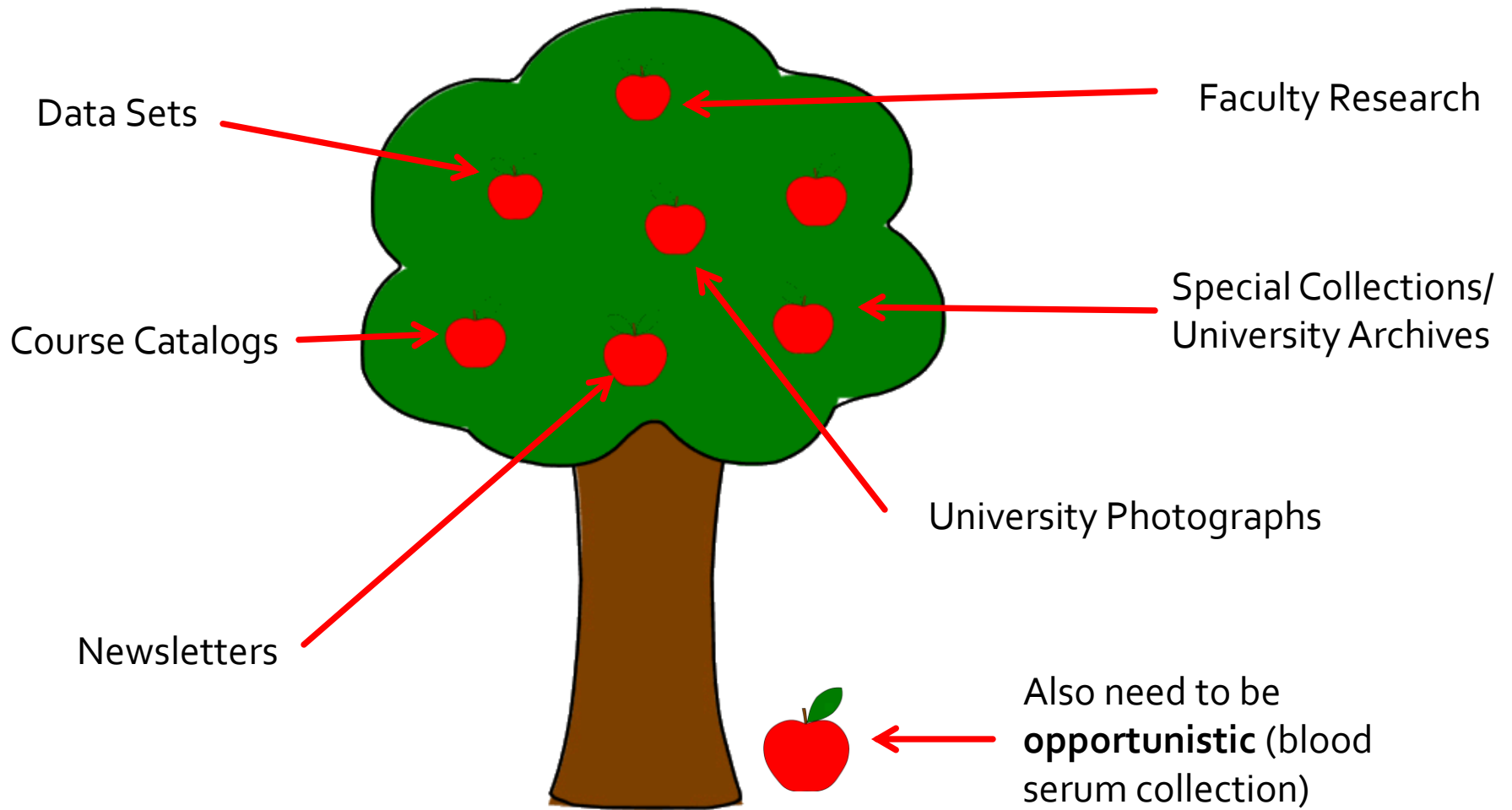
- Adhere to International Standards
- Capture the locally born digital objects that are replacing titles formerly found in our print archives
- Ensure Digital Curation & Preservation
- Provide Cross-Collection Search
- Demonstrate proof of concept before soliciting faculty research

# Foundation of Our Future Digital Library: Unified Access to Digital & Print Assets with Local Preservation

ExLibris Primo



# Low-hanging fruit





# At-risk materials



Image cc-by-nc-sa 2.0: <http://www.flickr.com/photos/yakibah/3512735385/>

# Digital Asset/Content Management System vs. Digital Preservation System

- “**Digital asset management (DAM)** consists of management tasks and decisions surrounding the ingestion, annotation, cataloguing, storage, retrieval and distribution of digital assets.”  
([Wikipedia](#), 2011)
- Preservation is not mentioned
- “Often, those creating digital materials or designing digital content management systems do not take great interest in their long-term preservation.” ([Trusted Digital Repositories: Attributes and Responsibilities An RLG-OCLC Report](#), 2002 (p. 18))

# Digital Preservation: Binghamton's Solution

- Experimented with various “Digital Content” systems including Content Pro, CONTENTdm, DSpace, EPrints
- None of these has preservation “built-in”
- Building our own was not practical
  - Staffing levels
  - Lack of expertise
- Rosetta by Ex Libris

**Rosetta**

# Rosetta and discovery

- No preservation systems is useful if there is no access (especially for a University Library)
- Rosetta does not have a public discovery layer
- Rosetta's Digital Publishing System is flexible so there are options
- Primo for discovery
  - First University to use Primo with Rosetta
  - Works well with other library systems such as Aleph and Primo Central
  - One stop shopping

# Implementation Timeline

- Early December 2010: Initial training
- January 2011: Installation and functional training
- February 2011: 2 Metadata librarians begin working at Binghamton
- End of March 2011: Went live with first collection
- May 2011: Go live beta with Primo for Aleph, etc.
- July 1, 2011: Go into production with Primo
- August 2011: Begin importing 365,000+ photographs

# Overall Staffing

- Systems: 1 person (~0.5 FTE)
  - Project Management
  - Systems/Technical
- Metadata/Cataloging: 3 people (~1.0 FTE)
- User Interface: Part of Web Services Librarian's Time
- Special Collections: Not directly involved with implementation, but relied on heavily for collection level expertise

# Metadata/Cataloging Staffing

- Metadata Librarians are Project Managers
  - Decide on appropriate descriptive metadata fields
  - Create the metadata forms
  - Provide training
  - Develop and/or provide specialized terminology (such as LCSH, TGM, TGN)
  - Review submissions as appropriate
  - DO NOT typically create the metadata (student workers or other staff will create metadata)

# O/S and Hardware

- RHEL 5.5
- IBM x3550 M2 (2x – one production, one test)
  - 24 GB RAM
  - (2) 2.93 GHz Intel x5570 Xeon Processors
  - (2) 146 GB hard drives
- HP StorageWorks MSA2300i Controller
  - 24 TB (pre-mirroring)
- Tape backup






# What is Put into Rosetta?

- Each file (or group of files) deposited is an Intellectual Entity or IE
- With an IE are:
  - Metadata forms (in DC format)
  - Submission formats (how a file is to be uploaded)
  - Copyright statement to be used
  - Access right forms (who can view the content)

# Rosetta metadata decisions

- Dublin Core fields
- Non-standard fields
- Create a master list
- Dublin Core is so flexible that it is inflexible

# Create metadata form

ExLibris Rosetta Management User: John Smith | Help | 

Home | **Producers** | Submissions | Data Management | Preservation

Home > Producers > Configure Settings > Metadata Form Details

Type	Generic	Created on	05/05/2011	Created by	Ex Libris
Updated on	05/05/2011	Updated by	Ex Libris		

Design Information | **Fields Information**

Select a field to view/edit:

**Add New Field** (circled in red)

Delete Fields Duplicate Field

Properties for:

- \* Label
- \* DC Tag
- Validator
- Default Value
- Tooltip
- \* Description

\* Type: TextField

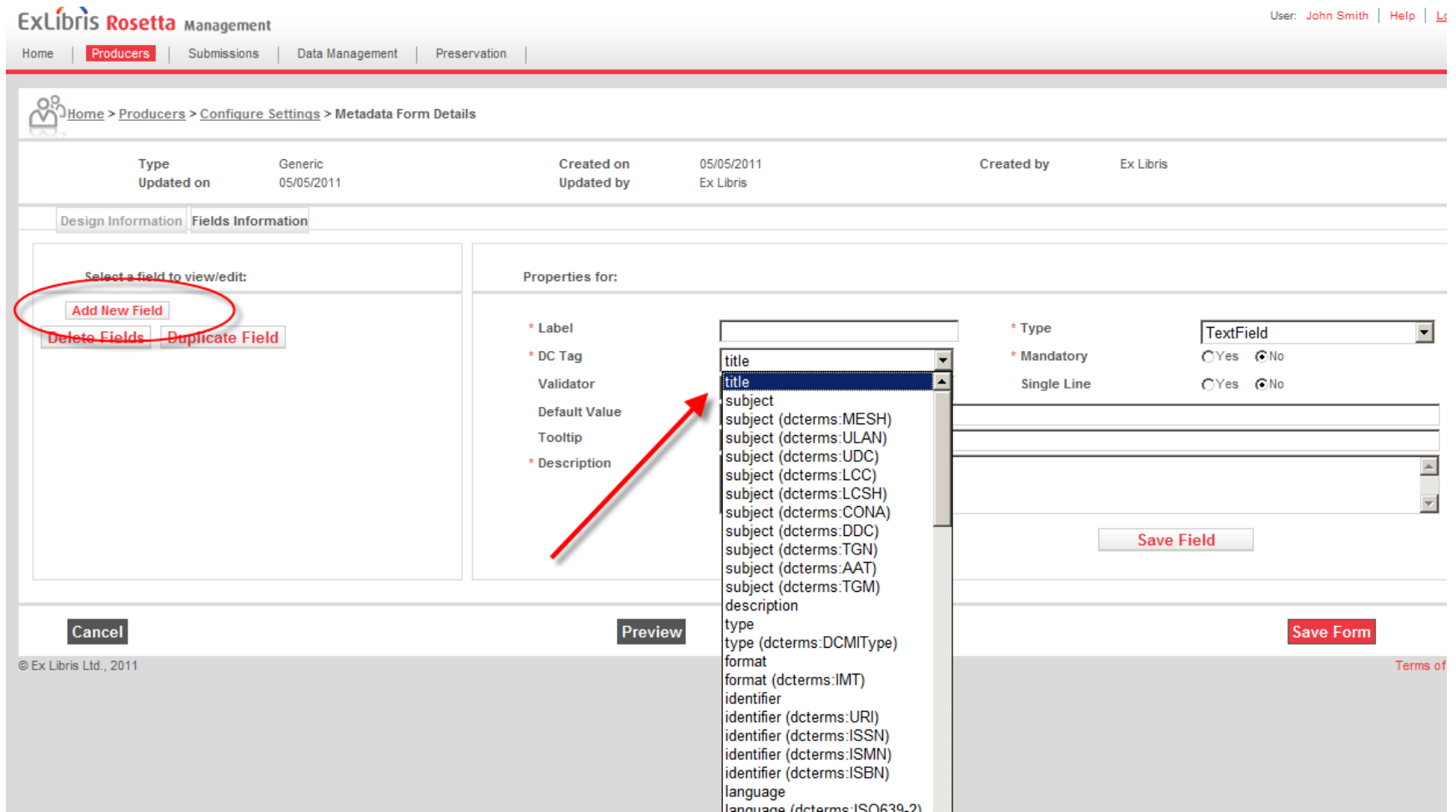
\* Mandatory:  Yes  No

Single Line:  Yes  No

Save Field

Cancel Preview Save Form

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# Choose your properties for the field

Properties for: Title

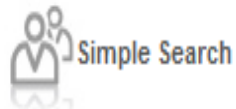
* Label	<input type="text" value="Title"/>	* Type	<input type="text" value="TextField"/>
* DC Tag	<input type="text" value="title"/>	* Mandatory	<input checked="" type="radio"/> Yes <input type="radio"/> No
Validator	<input type="text" value="No Validator"/>	Single Line	<input type="radio"/> Yes <input checked="" type="radio"/> No
Default Value	<input type="text"/>		
<b>Tooltip</b>	<input type="text" value="Title of item, if there is no given title; assign one, try to be unique."/>		
* Description	<input type="text" value="Title"/>		

# A finished form

view:

* Title	
* Description	
Note	
* Subject (TGM)	
Subject (LCSH)	
Personal Contributor(s)	
Location	
* Identifier (File Name)	
* Original Date (YYYY-MM-DD)	
Decade	
* Original Format	
Author/Photographer	
Type	
* Box Number	
Language	
* Rights	<a href="http://library.binghamton.edu/specialcollections/documents/duplicationpolicy.pdf">http://library.binghamton.edu/specialcollections/documents/duplicationpolicy.pdf</a>
Digital Collection	<input type="radio"/> Edwin A Link Jr <input type="radio"/> Marilyn C Link <input checked="" type="radio"/> Link Roberson Collection
Rights Holder	Binghamton University Libraries
* Digital Publisher	Binghamton University Libraries
* Digital Date (YYYY-MM-DD)	
* Digital Format	
Digitization Specifications	

# Searching for "cubmarine" in Rosetta



Object Type:

Find:

Primary sort:   Secondary sort:

1 - 10 of 10 Records

#	Title	Type	PID	SIP ID	Producer	Creation Date	
1	Submarine on display	Intellectual Entity	<a href="#">IE18479</a>	7890	Demo Internal Producer	2011-03-25 07:50:00	<a href="#">View</a>
2	Lifting boom on Sea Div...	Intellectual Entity	<a href="#">IE21715</a>	8968	Demo Internal Producer	2011-03-26 21:05:07	<a href="#">View</a>
3	Perry Cubmarine is prep...	Intellectual Entity	<a href="#">IE6809</a>	3961	Demo Internal Producer	2011-03-25 03:03:06	<a href="#">View</a>
4	Sea Diver II at work	Intellectual Entity	<a href="#">IE6812</a>	3962	Demo Internal Producer	2011-03-25 03:03:10	<a href="#">View</a>
5	Lifting boom on Sea Div...	Intellectual Entity	<a href="#">IE6815</a>	3963	Demo Internal Producer	2011-03-25 03:03:15	<a href="#">View</a>
6	Perry Cubmarine is rais...	Intellectual Entity	<a href="#">IE6818</a>	3964	Demo Internal Producer	2011-03-25 03:03:21	<a href="#">View</a>
7	Perry Cubmarine emerges...	Intellectual Entity	<a href="#">IE6821</a>	3965	Demo Internal Producer	2011-03-25 03:03:25	<a href="#">View</a>
8	Sea Diver II and submar...	Intellectual Entity	<a href="#">IE6572</a>	3882	Demo Internal Producer	2011-03-25 02:56:45	<a href="#">View</a>
9	Perry Cubmarine on Sea	Intellectual Entity	<a href="#">IE8564</a>	4546	Demo Internal Producer	2011-03-25 03:47:00	<a href="#">View</a>
10	Sea Diver & Deep Diver	Intellectual Entity	<a href="#">IE14744</a>	6643	Demo Internal Producer	2011-03-25 06:26:56	<a href="#">View</a>

Perry Cubmarine on Sea Diver ▲

Descriptive Metadata - IE DC


Title: Perry Cubmarine on Sea Diver  
 Contributor: Sea Diver (Boat)  
 Contributor: Perry Cubmarine (Submarine)  
 Publisher: Binghamton University Libraries




Metadata here!!!



# Primo at Binghamton

binghamtonuniversitylibraries

Search All Collections  Search [Advanced Search](#)

- Search All Collections
- Local Digital Collections & Catalog 
- Local Digital Collections 
- Library Catalog 
- Primo Central: Find articles and more...
- General Articles

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edwin a link

All Local Collections

Search

Advanced Search

Show only

Available in the Library (37)

### Refine My Results

#### Topic

Link, Edwin A. (Edwin Albert), 1904-1981 (19)

Link trainers (4)

#### Creator

G.P.I., Link Division, Binghamton, N.Y. (66)

Link Aviation (73)

Link Aviation Devices, Inc. (341)

Link, Edwin A. (Edwin Albert), 1904-1981 (38)

Smithsonian Institution. Edwin A. Link lecture  
(1st : 1964, Washington, D.C.) (18)

Show 8 more

#### Collection

Rosetta (5,097)

Special Collections (32)

#### Creation Date

Before 1966 (10)

1966 To 1972 (9)

1972 To 1986 (9)

1986 To 1998 (7)

After 1998 (8)

#### Resource Type

Images (5,097)

Books (30)

Audio Visual (5)

Journals (1)

Other (1)

5,134 Results for All Local Collections

Show only Available in the Library (37)



☆ Edwin A. Link

Edwin A. Link Jr. Collection  
Binghamton University Libraries

Online access

Image

View Online Details Reviews & Tags More



☆ Edwin A. Link

Edwin A. Link Jr. Collection  
Binghamton University Libraries

Online access

Image

View Online Details Reviews & Tags More



☆ Edwin A. Link

Link Aviation  
Edwin A. Link Jr. Collection  
Binghamton University Libraries

Online access

Image

View Online Details Reviews & Tags More



☆ Edwin A. Link

Edwin A. Link Jr. Collection  
Binghamton University Libraries

Online access

Image

View Online Details Reviews & Tags More



☆ Edwin A. Link

Edwin A. Link Jr. Collection  
Binghamton University Libraries

# Same search in Binghamton's Primo

binghamtonuniversitylibraries

cubmarine

Digital Collections

Search

[Advanced Search](#)

Did you mean: [cubmarines?](#)

## Creator

- [Deep Diver \(Submarine\)](#) (1)
- [Perry Cubmarine \(Submarine\)](#) (5)
- [Sea Diver \(Boat\)](#) (1)
- [Sea Diver II \(Boat\)](#) (8)

## Subject (TGM)

- [Boats](#) (9)
  - [Crowds](#) (1)
  - [Hoisting machinery](#) (8)
  - [Motorboats](#) (3)
  - [Oceanographic research ships](#) (8)
- Show 3 more

## Suggested New Searches

by this author/creator:

- [Sea Diver II \(Boat\)](#)
- [Perry Cubmarine \(Submarine\)](#)
- [Deep Diver \(Submarine\)](#)
- [Sea Diver \(Boat\)](#)



## 10 Results for Digital Collections



Image

### [Perry Cubmarine on Sea Diver](#)

Edwin A. Link Jr. Collection  
Binghamton University Libraries

[Online access](#)

[View Online](#)

[Details](#)

[Reviews & Tags](#)

[More](#)

**Title:** [Perry Cubmarine on Sea Diver](#)

**Author:** [Sea Diver \(Boat\)](#) ; [Perry Cubmarine \(Submarine\)](#)

**Is Part Of:** [Edwin A. Link Jr. Collection](#)

**Description:** [Perry Cubmarine on Sea Diver](#).

**Publisher:** [Binghamton University Libraries](#)

**Format:** 1 photograph : b&w ; 20.5 X 25 cm.  
image/jp2

**Language:** English

**Source:** Rosetta

**Subject (TGM):** [Boats](#)

Descriptive Metadata - IE DC

**Title:** Perry Cubmarine on Sea Diver  
**Contributor:** Sea Diver (Boat)  
**Contributor:** Perry Cubmarine (Submarine)  
**Publisher:** Binghamton University Libraries



# Can zoom in!



# Comments and challenges

- Built for National Libraries
  - Comes with territory of being first University partner
    - Scales down well
  - Ex Libris extremely responsive and making improvements
- Once you use it for a while, it's easier
  - Familiarity
  - Local documentation
- You don't need an army of staff
  - Partner with other departments

# Future & continuing projects

- More Special Collections (digitization)
- Blood Serum
- University Photographer
  - 365,000+ images!
- Born Digital
  - Newsletters
  - Campus website
- Planning to be opportunistic
- Prioritization: Committee to set priorities

Rosetta in an Academic Library | IGeLU 2011 | 11 September 2011

**This presentation was a collaborative effort within Binghamton University Libraries by Edward Corrado, John Meador, Sandy Card, and Ashley Marcin.**

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