DIPping into Rosetta and Primo

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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: **12,356**
- Graduate students: **2,952**
- Average SAT score range: **1220-1385**
- Average ACT score range: **27-30**
- Top 25% of high school class: **87.9%**
- In the past 10 years, **91%** of freshmen returned for their sophomore year
- Students of color: **28%**
- International students: **15%**

*Students come from all 45 states and 100 countries*
Open Archival Information System (OAIS)

- Reference Model
  - Provides a framework for the understanding and increased awareness of archival concepts needed for long term digital information preservation and access.
  - Provides the concepts needed by non-archival organizations to be effective participants in the preservation process.
  - Provides a framework, including terminology and concepts, for describing and comparing architectures and operations of existing and future archives.
  - Provides a framework for describing and comparing different long term preservation strategies and techniques.

http://en.wikipedia.org/wiki/Open_Archival_Information_System
Reference Model (Continued)

- Provides a basis for comparing the data models of digital information preserved by Archives and for discussing how data models and the underlying information may change over time.

- Provides a foundation that may be expanded by other efforts to cover long-term preservation of information that is not in digital form (e.g., physical media and physical samples).

- Expands consensus on the elements and processes for long-term digital information preservation and access, and promotes a larger market which vendors can support.

- Guides the identification and production of OAIS-related standard
OAIS Functional Entities

[Diagram showing OAIS functional entities with nodes labeled as Preserved Planning, Data Management, Ingest, Archival Storage, Access, Administration, and SIP, AIP, DIP, with arrows indicating flow and interactions between nodes.]
The Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH) is a low-barrier mechanism for repository interoperability.

Data Providers are repositories that expose structured metadata via OAI-PMH.

Service Providers then make OAI-PMH service requests to harvest that metadata.

OAI-PMH is a set of six verbs or services that are invoked within HTTP.

In wide use since ~ 2001.
OAI-PMH: Structural Model

Requests:
- Identify
- ListMetadataformats
- ListSets
- ListIdentifiers
- ListRecords
- GetRecord

Responses:
- General information
- Metadata formats
- Set structure
- Record identifier
- Metadata

Data Provider
Service Provider
Repository

https://www.oaforum.org/tutorial/english/page3.htm
- Lowest Common Denominator

- Must publish Unqualified Dublin Core (oai_dc)

- Can also publish in other metadata formats
  - Does not always happen
  - Even when it does, does the Service Provider understand it?

- “It has been argued that OAI-PMH has caused excessive use of Dublin Core for interchange metadata - effectively eliminating rich metadata from harvesting services.” – Cottage Labs

- “OAI-PMH has an interface or API style which now appears quite dated.” – Cottage Labs
Rosetta Publishing Configuration
Metadata in Rosetta

- Over 50 Dublin Core fields (w/ qualifiers)
- Unqualified DC only has 15 fields
- Need for best practices
Note the label “Related Titles” here:

- Metadata is harvested using OAI-PMH (which uses a limited number of Dublin Core fields)
- In many cases, metadata from Rosetta maps to the same fields in Primo as does Aleph cataloging records
  - This affects both search and labels
- Limited to 50 custom fields (although Ex Libris recommend to using only 10 custom fields for search)
Perry Cubmarine on Sea Diver
Binghamton University Libraries 2010-02-17;
Online access

Title: Perry Cubmarine on Sea Diver
Author: Sea Diver (Boat); Perry Cubmarine (Submarine)
Description: Perry Cubmarine on Sea Diver.
Related Titles: Edwin A. Link Jr. Collection;; Master tiff - Canon DR7080C; CapturePerfect 3.0; 600 dpi; 256-level gray; no compression
Publisher: Binghamton University Libraries
Creation Date: 2010-02-17;
Format: 1 photograph : b&w ; 20.5 X 25 cm. image/jp2
Language: English
Source: Rosetta
Material Type: Image
Coverage: 1960-1969
Identifier: LINK1991R3.17.tif
Example: Related Titles

Note the label “Related Titles” here:

Title: Perry Cubmarine on Sea Diver
Author: Sea Diver (Boat); Perry Cubmarine (Submarine)
Description: Perry Cubmarine on Sea Diver.
Related Titles: Edwin A. Link Jr. Collection;
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Master tiff is not a title!
dc:relation

dcterms:hasPart
dcterms:isFormatOf
dcterms:isVersionOf
dcterms:hasVersion
dcterms:requires
dcterms:requiredBy
dcterms:replaces
dcterms:isReplacedBy
dcterms:hasFormat
dcterms:conformsTo
dcterms:isPartOf

OAI-PMH Downtown
Search Midtown
Display Uptown
Dropdown Search Park

Related Titles

in the title
## Metadata entered in Rosetta

<table>
<thead>
<tr>
<th>Tag</th>
<th>Qualifier</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>dc:title</td>
<td></td>
<td>Perry Cubmarine on Sea Diver</td>
</tr>
<tr>
<td>dc:description</td>
<td></td>
<td>Perry Cubmarine on Sea Diver.</td>
</tr>
<tr>
<td>dcterms:TGM</td>
<td></td>
<td>Boats</td>
</tr>
<tr>
<td>dcterms:TGM</td>
<td></td>
<td>Submarines</td>
</tr>
<tr>
<td>dcterms:TGM</td>
<td></td>
<td>Hoisting machinery</td>
</tr>
<tr>
<td>dcterms:TGM</td>
<td></td>
<td>Oceanographic research ships</td>
</tr>
<tr>
<td>dc:identifier</td>
<td></td>
<td>LINK1991R3.17.tif</td>
</tr>
<tr>
<td>dcterms:temporal</td>
<td></td>
<td>1960-1969</td>
</tr>
<tr>
<td>dcterms:extent</td>
<td></td>
<td>1 photograph : b&amp;w ; 20.5 X 25 cm.</td>
</tr>
<tr>
<td>dc:contributor</td>
<td></td>
<td>Sea Diver (Boat)</td>
</tr>
<tr>
<td>dc:contributor</td>
<td></td>
<td>Perry Cubmarine (Submarine)</td>
</tr>
<tr>
<td>dc:type</td>
<td></td>
<td>Still image</td>
</tr>
<tr>
<td>dc:language</td>
<td></td>
<td>English</td>
</tr>
<tr>
<td>dcterms:accessRights</td>
<td></td>
<td><a href="http://library.binghamton.edu/special/duplicationpolicies.html">http://library.binghamton.edu/special/duplicationpolicies.html</a></td>
</tr>
<tr>
<td>dcterms:isPartOf</td>
<td></td>
<td>Edwin A. Link Jr. Collection</td>
</tr>
<tr>
<td>dcterms:rightsHolder</td>
<td></td>
<td>This photograph is located in Binghamton University Libraries' Special Collections</td>
</tr>
<tr>
<td>dc:publisher</td>
<td></td>
<td>Binghamton University Libraries</td>
</tr>
<tr>
<td>dcterms:modified</td>
<td></td>
<td>2010-02-17</td>
</tr>
<tr>
<td>dcterms:medium</td>
<td></td>
<td>image/jp2</td>
</tr>
<tr>
<td>dcterms:hasFormat</td>
<td></td>
<td>Master tiff - Canon DR7080C; CapturePerfect 3.0; 600 dpi; 256-level gray; no compression</td>
</tr>
</tbody>
</table>
Metadata entered in Rosetta

**Descriptive Metadata - IE DC**

- **Title:** Perry Cubmarine on Sea Diver
- **Contributor:** Sea Diver (Boat)
- **Contributor:** Perry Cubmarine (Submarine)
- **Publisher:** Binghamton University Libraries
- **Subject (TGM):** Boats
- **Subject (TGM):** Submarines
- **Subject (TGM):** Hoisting machinery
- **Subject (TGM):** Oceanographic research ships
- **Description:** Perry Cubmarine on Sea Diver.
- **Time Period:** 1960-1969
- **Digital Extent:** 1 photograph : b&w ; 20.5 X 25 cm.
- **Digital Format:** image/jp2
- **Material Type:** Still image
- **Date Digital:** 2010-02-17
- **Language:** English
- **Identifier:** LINK1991R3.17.tif
- **Collection:** Edwin A. Link Jr. Collection
- **Digital Specifications:** Master tiff - Canon DR7080C; CapturePerfect 3.0; 600 dpi; 256-level
- **Rights:** [http://library.binghamton.edu/special/duplicationpolicies.html](http://library.binghamton.edu/special/duplicationpolicies.html)
- **Rights Holder:** This photograph is located in Binghamton University Libraries' Special Collections
Metadata record in Primo

**Master tiff is not a title! Yay!**
Questions / Discussions

Special thanks to Rachel Jaffe and other colleagues from Binghamton university for help with some of the content presented here.

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