

# DIPping into Rosetta and Primo

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ELUNA 2014, Montréal, Canada



# 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: **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.

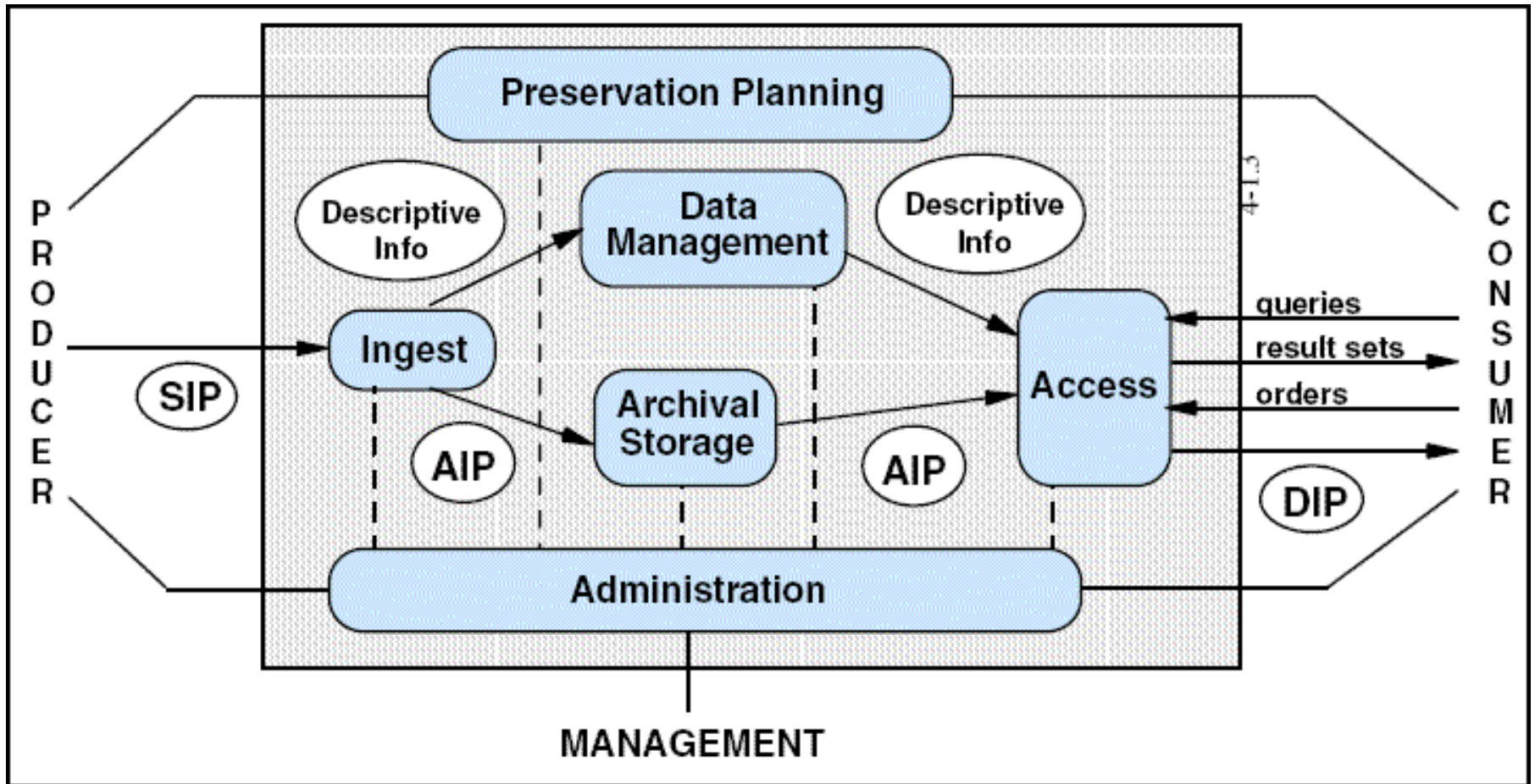


# Open Archival Information System (OAIS)



- 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



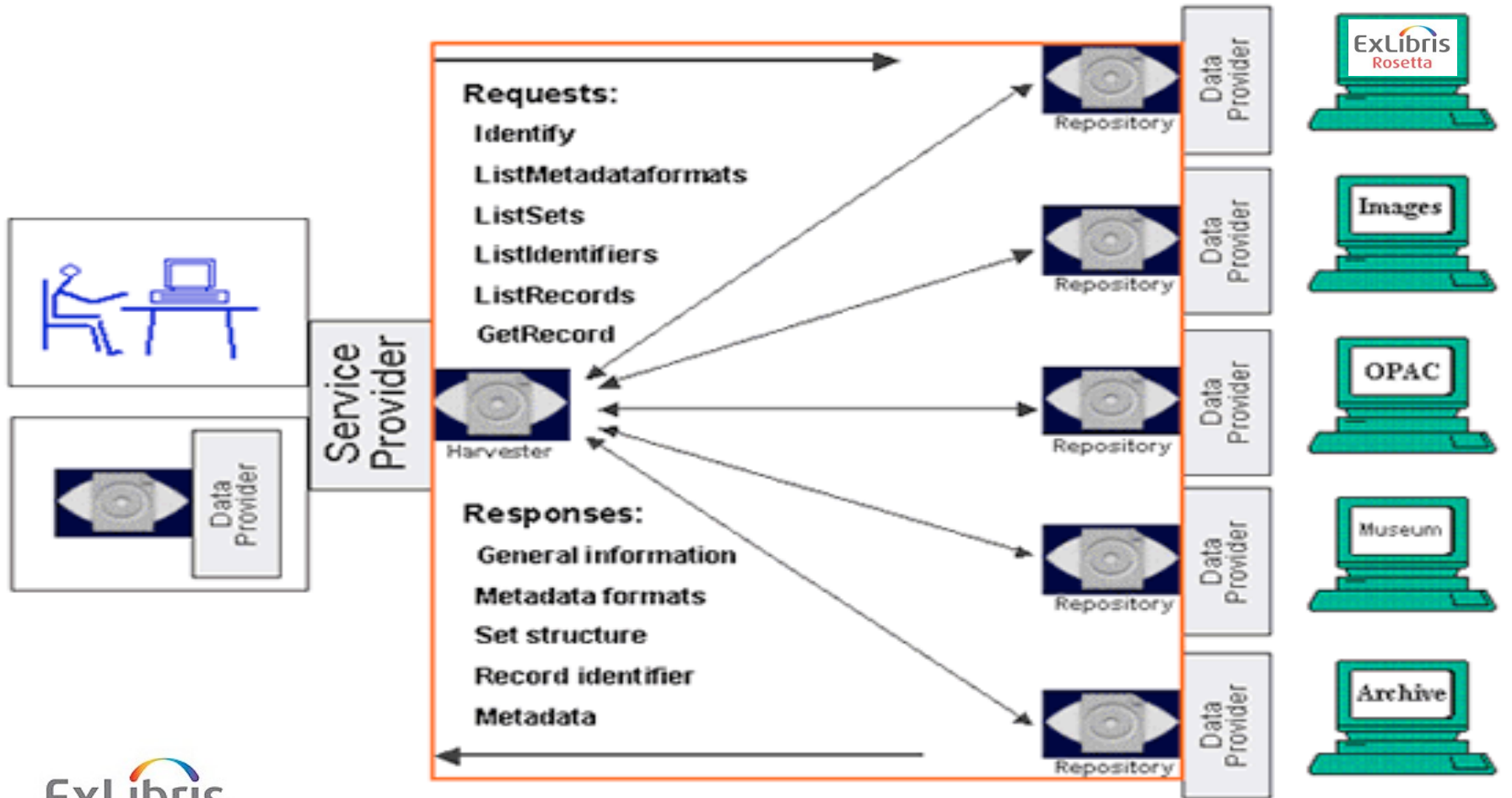


# OAI-PMH



- 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



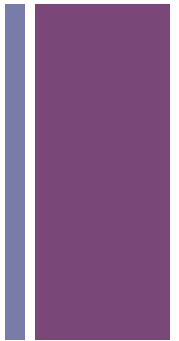
# + OAI-PMH: Limitations

- 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



* Name	<input type="text"/>	Status	Active
Description	<input type="text"/>		
* Converter Type	<input type="text" value="IETToOAConverterPlugin"/>	Include CMS	<input type="checkbox"/>
* Target Type	<input type="text"/>	Include Access Rights	<input type="checkbox"/>

Cancel Next >

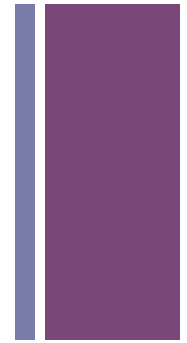
- IETToOAConverterPlugin
- IETToOAConverterPlugin
- CmsConverterPlugin
- OaiCollectionConverterPlugin
- XSL ConverterPlugin
- XEpicurConverterPlugin

e	<input type="text"/>
Description	<input type="text"/>
Converter Type	IETToOAConverterPlugin
Target Type	<input type="text" value="OAIPublisherPlugin"/>

- OAIPublisherPlugin
- OAIPublisherPlugin
- NFSPublisherPlugin

# + Metadata in Rosetta

- Over 50 Dublin Core fields (w/ qualifiers )
- Unqualified DC only has 15 fields
- Need for best practices



**Binghamton University Libraries' Metadata Best Practices**

Created: 2011-12-12  
Updated: 2013-10-09

[Introduction & Acknowledgments](#)

**Metadata Fields**

1	Title	14	Rights Holder
1.1	Alternative Title	15	Provenance
2	Description	16	Identifier
2.1	Table of Contents	16.1	Citation
2.2	Abstract	17	Coverage
3	Creator	17.1	Location
4	Contributor	17.2	Time Period
5	Subject	18	Relates To
6	Digital Publisher	18.1	Collection
7	Date	18.2	Includes
7.1	Date Created	18.3	Format Of
7.2	Date Published	18.4	Digital Specifications
7.3	Date Digital	18.5	References
7.4	Date Available	18.6	Referenced By
7.5	Date Copyrighted	18.7	Earlier Version
7.6	Date Submitted	18.8	Subsequent Version
7.7	Date Accepted	18.9	Requires
8	Notes	18.10	Required By
9	Source	18.11	Replaces
10	Material Type	18.12	Replaced By
11	Format	18.13	Conforms To
11.1	Digital Format		
11.2	Digital Extent		
12	Language		
13	Rights		
13.1	License		
13.2	Access Rights		

[Appendix 1: Rosetta File Labels](#)  
[Appendix 2: List of Subheadings by Field](#)

## 1 Title

DC Tag	dc:title
Definition:	The name given to a resource.
Rosetta Display Label:	Title
Primo Display Label:	Title
Suggested Tool Tip:	Enter title of resource. If there is no title given, assign one; try to be unique.
Repeatable:	No

### Basic formatting guidelines:

- Only capitalize the first word of a title unless it includes proper nouns. Also capitalize the first word of any embedded titles.
- Omit initial articles from the title unless the article is an essential part of the title.
- Use <\_> to separate between the title elements.

**Recommendations:** All digital resources must have a title. Use "untitled" only when the resource is specifically named "untitled."

**When recording a title,** e.g., for bibliographic materials (books, articles, journals, etc.), transcribe the title from the title page, or if there is none, from the cover of the resource. In the case of a single article, transcribe the title at the head of the text. Enclose information supplied from any other sources in square brackets and include an explanation of where the title information was found in the DESCRIPTION field.

If the title on the resource contains a misspelling or typo, transcribe the title as it appears on the resource and include [sic] following the error. Transcribe the title with errors corrected in ALTERNATIVE TITLE.

Indicate an interpolation by enclosing it in square brackets. Indicate a conjunctural interpolation by adding a question mark within the square brackets. Indicate the omission of part of the title by the mark of omission <\_>.

### Examples:

Title on the resource	TITLE
MacRuby in Action	MacRuby in action
Capstone project	[Evaluating the success of non-profit partnerships : a case study] DESCRIPTION: Title from p. vi.
[untitled]	untitled

## 10 Material Type

DC Tag:	dc:type
Definition:	Content of the original resource. Type includes terms describing general categories, functions, or aggregation levels for content.
Rosetta Display Label:	Material Type
Primo Display Label:	Material Type
Suggested Tool Tip:	Use general terms such as those from the DCMI Type Vocabulary. To describe the digital dimensions of the resource, use the DIGITAL FORMAT element.
Repeatable:	Yes

**Recommendations:** Select a value from the DCMI Type Vocabulary, unless otherwise directed.

**NOTE:** To describe the digital manifestation of the resource, use DIGITAL FORMAT; to describe the original physical manifestation of the resource, use DESCRIPTION.

Examples of commonly used Dublin Core type:

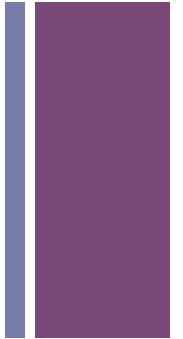
- Collection
- Dataset
- Image
- Interactive Resource
- Software
- Sound
- Still Image
- Text

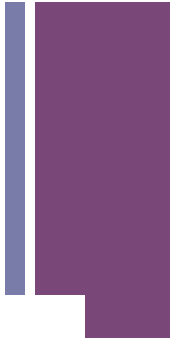
[Back to top](#)



## 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**

[View Online](#)

**Details**

[Reviews & Tags](#)

**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:

Perry **Cubmarine** on Sea Diver

Binghamton University Libraries 2010-02-17;

[Online access](#)

[View Online](#)

**Details**

[Reviews & Tags](#)

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**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](#)

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image/jp2

**Language:** English

**Source:** Rosetta

**Material Type:** Image

**Coverage:** 1960-1969

**Identifier:** LINK1991R3.17.tif

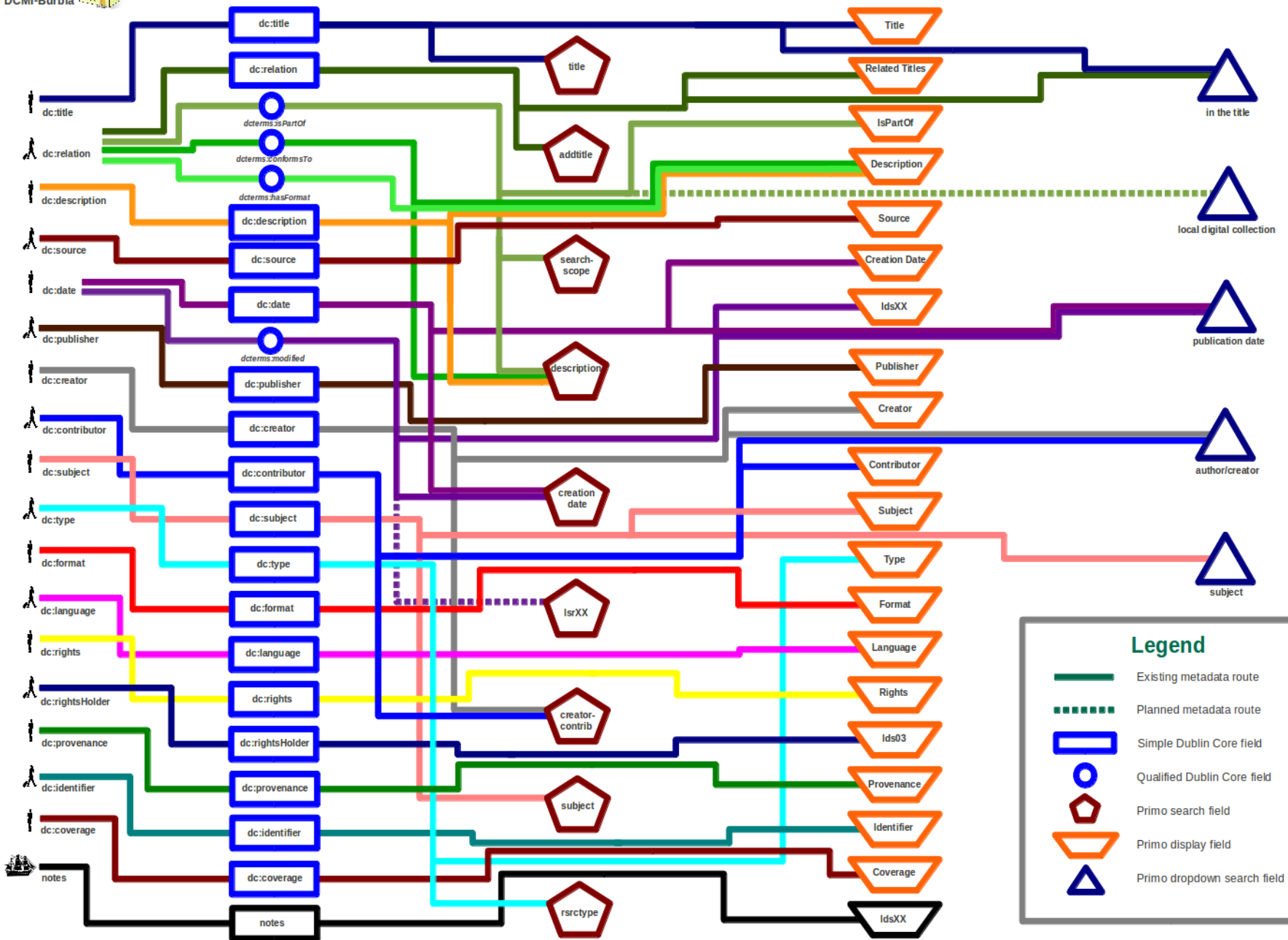
*Master tiff is not a title!*

OAI-PMH Downtown








Search Midtown

Display Uptown

Dropdown Search Park



### Legend

-  Existing metadata route
-  Planned metadata route
-  Simple Dublin Core field
-  Qualified Dublin Core field
-  Primo search field
-  Primo display field
-  Primo dropdown search field

# dc:title

DCMI-Burbia

OAI-PMH  
Downtown

Search  
Midtown

Display  
Uptown

Dropdown  
Search Park

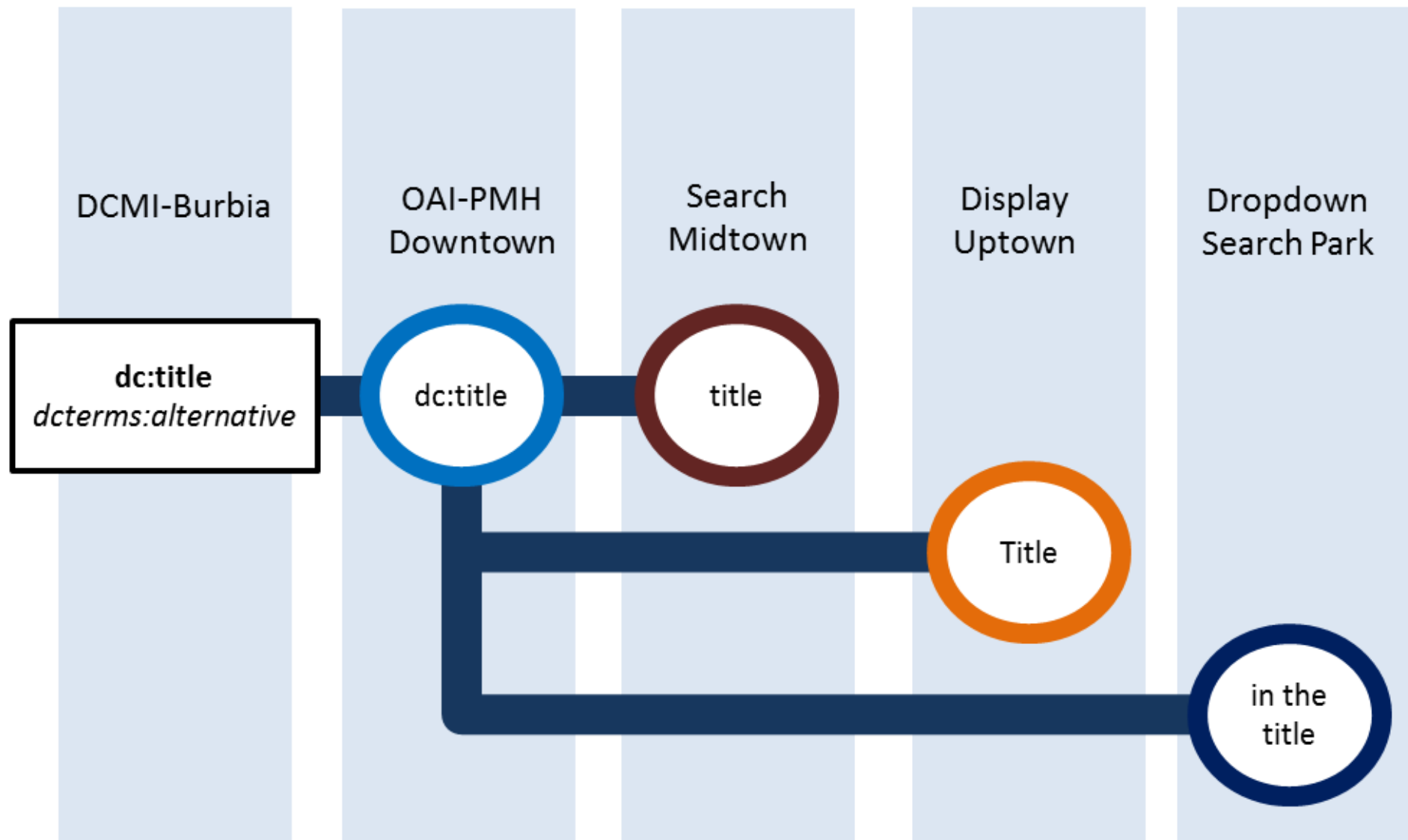
**dc:title**  
*dcterms:alternative*

dc:title

title

Title

in the  
title



# dc:relation

DCMI-Burblia

OAI-PMH  
Downtown

Search  
Midtown

Display  
Uptown

Dropdown  
Search Park

## dc:relation

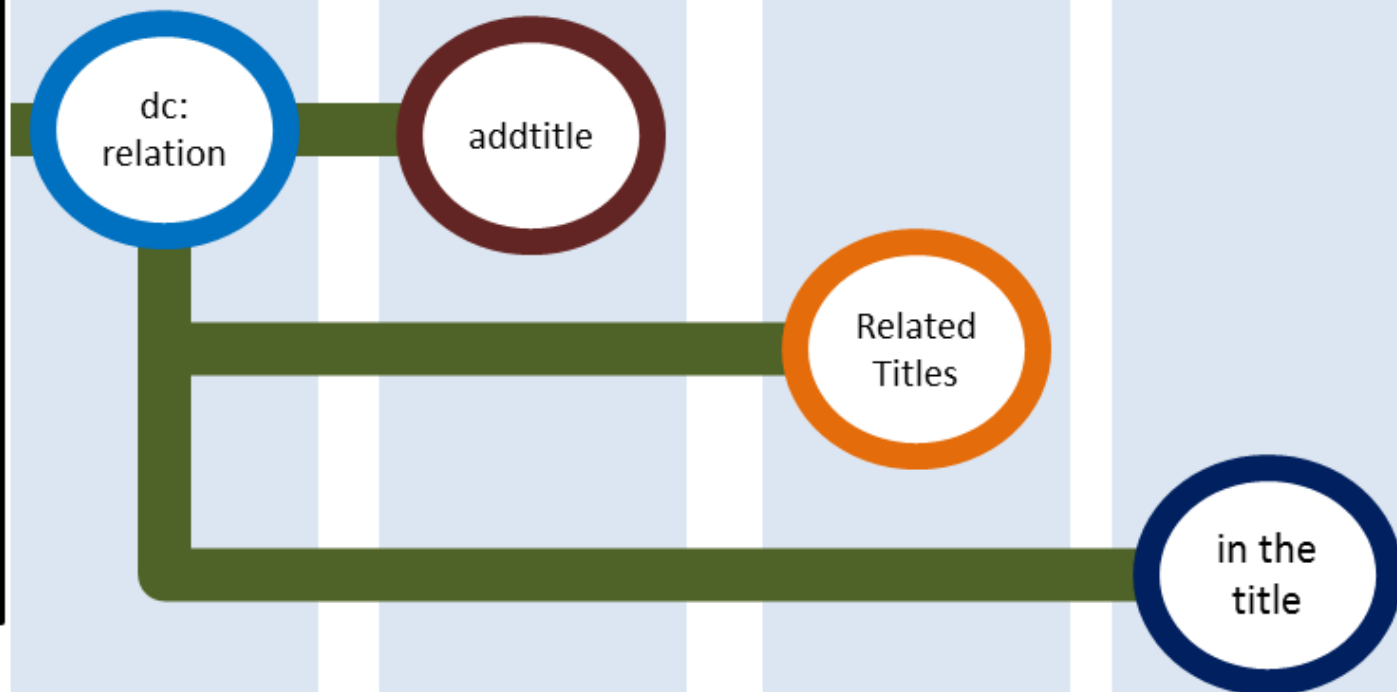
*dcterms:hasPart*  
*dcterms:isFormatOf*  
*dcterms:isVersionOf*  
*dcterms:hasVersion*  
*dcterms:requires*  
*dcterms:requiredBy*  
*dcterms:replaces*  
*dcterms:isReplacedBy*  
*dcterms:hasFormat*  
*dcterms:conformsTo*  
*dcterms:isPartOf*

dc:  
relation

addtitle

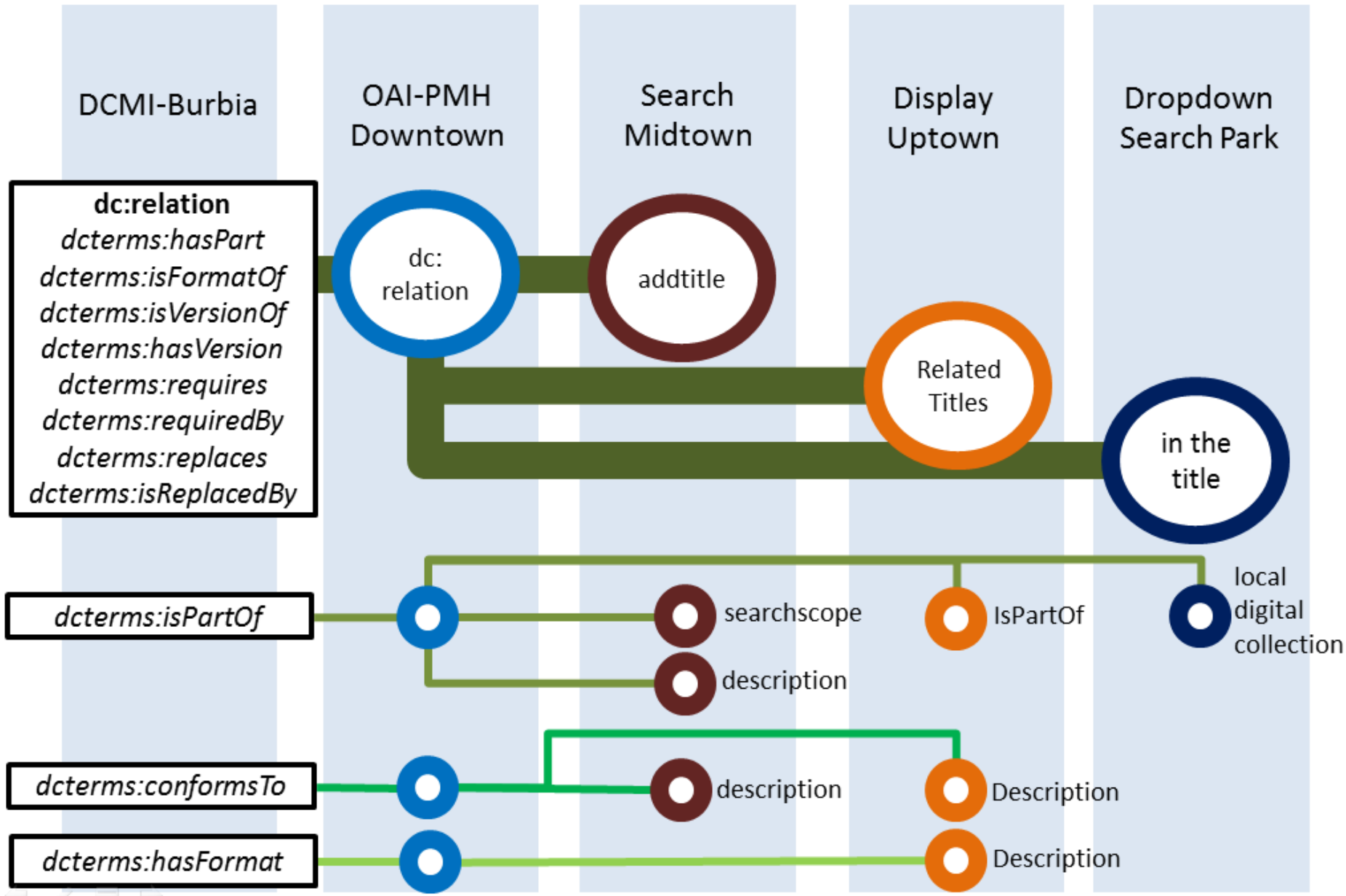
Related  
Titles

in the  
title





# dc:relation station



# + Metadata entered in Rosetta

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

# + 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** Master tiff - Canon DR7080C; CapturePerfect 3.0; 600 dpi; 256-level  
**Specifications:** gray; no compression  
**Rights:** <http://library.binghamton.edu/special/duplicationpolicies.html>  
**Rights Holder:** This photograph is located in Binghamton University Libraries' Special Collections





# Metadata record in Primo



cubmarine on sea diver

All Digital Collections



Search

[Advanced Search](#)  
[Browse Search](#)

## Perry Cubmarine on Sea Diver

Sea Diver (Boat); Perry Cubmarine (Submarine) 2010-02-17;

● Online access

[View Online](#)

**Details**

[Reviews & Tags](#)

**Title:** Perry Cubmarine on Sea Diver

**Description:** Perry Cubmarine on Sea Diver ; Master tiff - Canon DR7080C; CapturePerfect 3.0; 600 dpi; 256-level gray; no compression

**Publisher:** Binghamton University Libraries

**Type:** Image

**Collection:** Edwin A. Link Jr. Collection

**Creation Date:** 2010-02-17

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

**Coverage:** 1960-1969

**Language:** English

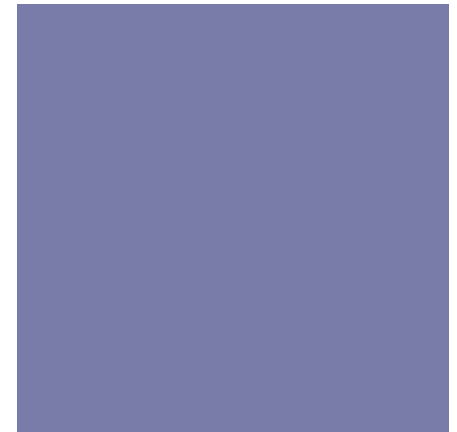
**Source:** ROSETTA

**Rights:** <http://library.binghamton.edu/special/duplicationpolicies.html>

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

**Identifier:** LINK1991R3.17.tif

*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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