

Best Practices for CONTENTdm

CONTENTdm Metadata Working Group

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OCLC CONTENTdm

Metadata Working Group

- 34 CONTENTdm users
 - Represent academic and public libraries, archives, and museums
 - Goal: best practices for shareable metadata using the WorldCat Digital Collection Gateway
-

Need for guidelines

- Loss of richness and meaning when sharing DC records in aggregated environments
 - Shreeves, Riley & Milewicz (2006)
 - Jackson, Han, Groetsch, Mustafoff & Cole (2008)
 - “One-to-one” rule and difficulty of mapping to MARC
 - Caplan & Guenther (1996)
 - Han, Cho, Cole & Jackson (2009)
 - Beisler & Willis (2009)
-

Best practices draft 1.9

- 12 core elements and 4 recommended “as appropriate”
 - Mapping and “shareability”
 - Guidelines for field content standardization and mapping to MARC
 - Addenda
 - Treatment of compound objects with respect to OAI harvesting
 - Considerations for consortia using OAI harvesting tools
-

Best practices draft 1.9

- **Title**: prefer non-use of explanatory or qualifying symbols (e.g., brackets to indicate cataloger-supplied title)
- **Creator**: prefer non-use of ‘junk value’ (e.g., “Unknown”); however, it is appropriate to qualify named entities with “[role]”
- **Publisher**: prefer “digitized by” or other text prefix to qualify value

Template for photographic collections

Field Name	DC Map	Field Name	DC Map
Title	Title	Type	Type
Subject-Names	Subject	Format	Format
Subject-Places	Subject	Identifier	Identifier
Subject-Topics	Subject	Source	Source
Description	Description	Language	Language
Publisher	Publisher	Rights & Usage	Rights
Contributors	Contributors	Date. Original	Date

Template for archival collections

Field Name	DC Map	Field Name	DC Map
Title	Title	Identifier	Identifier
Title-Alternative	Title-Alternative	Source	Source
Creator	Creator	Language	Language
Description	Description	Relation	Relation-Is Part Of
Abstract	Description-Abstract	Location	Coverage-Spatial
Table of Contents	Description	Time period	Coverage-Temporal
Subject	Subject	Rights & Usage	Rights
Publisher	Publisher	Audience	Audience
Contributors	Contributors	Relation-References	Relation-References
Date. Original	Date	Digitization Specification	None
Type	Type	Format	Format

Digital information seeker

Connaway, L.S. and T.J. Dickey. (2010)

Study	Finding
Perceptions of libraries, 2005	•Search engines dominant place to begin •Search engine as lifestyle fit •Search engines are preferred over libraries
Sense-making, 2006	•Heavy reliance on Google and other web Information sources
Researchers and discovery services, 2006	•Common tools include general search engines, specialist search engines •Google is often used for relatively simple tasks in conjunction with other sources
Researcher of the future, 2008	•Majority of BL visits were from search engine •Prefer natural-language searching and trust Google to understand them •40% of school-age visits to the BL visits were via an image search

Researchers' discovery/search strategies

- Discovery
 - Natural language, keyword
- Known searches
 - Names of people, places, events
 - Specific dates, years

“Users want to search names by keyword, search for subjects by browsing, and browse by keyword or name, too. When it comes to using descriptive metadata to discover archival materials and special collections, users want it all.”

Jennifer Schaffner (2009)

Marketing metadata

- Catalogers often 'miss the point,' failing to apply key saleable descriptors
 - Catalogers are encouraged to develop their own local controlled vocabularies
 - Addition of natural language, keywords increase discovery
-

Adding keywords

- Subject 1: Architecture, domestic
 - Subject 2 : Dwellings
 - Subject 3 : Crane, Caroline Bartlett, 1858-1935
 - Subject 4 : Dormers
 - Subject 5 : Wooden-frame houses
 - Subject-keywords: housing design; 1920s;
women; children; family; families; award
winning; awards
-

Search results for 'award winning house design women'

☒ **Refine Your Search**
Author
[John Lambkun](#) (7)

[Ball State Univer...](#) (2)

[James Earle Fraser](#) (2)

[Harvey Dorothy 1922](#) (2)

[Alan K Engen](#) (1)

[Show more ...](#)

Format
[Internet Resource](#) (47)

[Book](#) (3)

[Archival Material](#) (3)

[Article](#) (1)

Year
[2008](#) (3)

[2007](#) (8)

[1902](#) (2)

[1864](#) (1)

[Show more ...](#)

Results 1-10 of about 55 (.51 seconds)

[Select All](#) [Clear All](#)

Save to:



1.


[Front exterior view with neighboring houses, Everyman's House](#)


Downloadable 2-D image : Picture

Publisher: Digitized by Western Michigan University 1924?



2.


[Copyright Assignment for Everyman's House book.](#)

by Doubleday, Russell

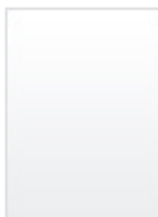


eBook

Publisher: Digitized by Western Michigan University 1927-03-29



3.


[Sowder, Elmer Jesse](#)

by Mary Palevsky



Internet resource

Language: English

Publisher: University of Nevada, Las Vegas Libraries

Database: OAlster



4.


[Kitchen interior with sink, window and cupboards, Everyman's House](#)


Downloadable 2-D image : Picture

Publisher: Digitized by Western Michigan University 1924?

Known names and places

- Subject-LCSH 1: Sly, Eugene R., 1841-1922--Diaries
 - Subject-LCSH 2: Andersonville Prison
 - Subject-LCSH 3: Danville Prison
 - Subject-LCSH 4: Florence Prison (S.C.)
 - Subject-LCSH 5: Wirz, Henry, 1823?-1865
-

Search results for 'henry wirz andersonville diary'

☒ **Refine Your Search****Author**[Waring Joseph Fre...](#)

(2)

[Ted Genoways](#) (1)[John R Hunt](#) (1)[William H Smith](#) (1)[Robert Knox Sneden](#)

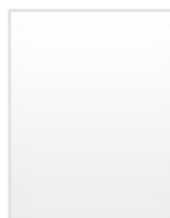
(1)

[Show more ...](#)**Format**[Internet Resource](#) (4)[Book](#) (2)[Archival Material](#) (2)[Map](#) (1)**Year**[2001](#) (1)[1864](#) (1)[1861](#) (2)[1853](#) (1)**Content**Results **1-9** of about **9** (.28 seconds)[Select All](#) [Clear All](#)Save to: [Save](#)☐ 1.[Plan of Andersonville Prison or "Camp Sumter," April, 1864.](#)

by Robert Knox Sneden

 Map : Manuscript  Archival Material

Language: English

☐ 2.[Papers, 1853-1882 \[manuscript\].](#)

by Joseph Frederick 1832?-1876 Waring

 Internet resource

Language: English

Database: OAlster

☐ 3.[Eugene R. Sly diary, 1864, United States Civil War](#)

by Sly, Eugene R., 1841-1922

 eBook

Publisher: 1864

Addendum:

Treatment of compound objects

- Compound objects: books, diaries, letters, etc.
 - Bring out page-level “gems” in the object-level metadata
 - Gateway does not export page-level data to WorldCat
-

Page-level subjects added

- Subject-LCSH 1: Ide, Alonzo C., 1842-1920--Diaries
 - Subject-LCSH 2: Soldiers--Michigan--Diaries
 - Subject-LCSH 3: Knoxville (Tenn.)--History--Siege, 1863
 - Subject-LCSH 8: Longstreet, James, 1821-1904--
Correspondence
 - Subject-LCSH 9: McLaws, Lafayette, 1821-1897--
Correspondence
-

Search results for 'lafayette mclaws siege of knoxville'

Refine Your Search

Author

[Lafayette Mclaws](#) (1)

Format

[Archival Material](#) (1)[Internet Resource](#) (1)

Year

[1817](#) (1)

Language

[English](#) (1)[Undetermined](#) (1)

Results 1-2 of about 2 (.20 seconds)

<< First < Prev 1 Next >

[Select All](#)[Clear All](#)

Save to: [New List]

Save

Sort by: Relevance

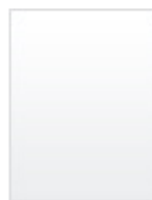
Save Search

☐ 1.[Alonzo C. Ide diary, 1864, United States Civil War](#)

by Ide, Alonzo C., 1842-1920

 eBook

Publisher: 1864

☐ 2.[Papers, 1817-1924.](#)

by Lafayette McLaws

 Archival material

Language: English

Results 1-2 of about 2 (.20 seconds)

<< First < Prev 1 Next >

Languages: [Deutsch](#) | [English](#) | [Español](#) | [Français](#) | [Nederlands](#) | [中文](#)You: [Sign In](#) | [Register](#) | [My WorldCat](#) | [My Lists](#) | [My Watchlist](#) | [My Reviews](#) | [My Tags](#) | [My Saved Searches](#)WorldCat: [Home](#) | [About](#) | [Help](#) | [Get E-mail Updates](#) | [Feedback](#) | [Search](#) | [WorldCat Blog](#)Legal: [Copyright © 2001-2010 OCLC. All rights reserved.](#) | [Privacy Policy](#) | [Terms and Conditions](#)

Digital Collection Gateway

- Map CONTENTdm metadata to MARC
 - Collection coordinators can map elements
 - Using Qualified Dublin Core is recommended
- Ingest metadata into WorldCat
- Increase access to collections to a broader user base

However...

CONTENTdm DC to MARC

- *Leader* information is sparse and hard to map
 - *Subject* is indexed but not controlled
 - Creates a brief record
 - Not exactly a cataloging record,
 - but for **expanded access**
-

Qualified Dublin Core

- Added refined elements (Qualifiers) to Simple Dublin Core
 - Qualifiers can be modifiable by users/repositories
 - No specific set of elements
-

Two broad classes of QDC

■ Element Refinement

- ❑ make the meaning of an element narrower or more specific

■ Encoding Scheme

- ❑ identify schemes that aid in the interpretation of an element value
- ❑ schemes include controlled vocabularies and formal notations or parsing rules.

Using Dublin Core - Dublin Core Qualifiers

<<http://dublincore.org/documents/usageguide/qualifiers.shtml>>

Two broad classes of QDC

■ Element Refinement

- make the meaning of an element narrower or more specific

■ Encoding Scheme

- identify schemes that aid in the interpretation of an element value
 - schemes include controlled vocabularies and formal notations or parsing rules.
-

Two broad classes of QDC

■ Element Refinement

- ❑ make the meaning of an element narrower or more specific
- ❑ **Default CONTENTdm OAI metadata format**

■ Encoding Scheme

- ❑ identify schemes that aid in the interpretation of an element value
 - ❑ schemes include controlled vocabularies and formal notations or parsing rules.
-



ID Number

A149-14

Title

Frances Abington (nee Barton) as Aurelia in "The Twin Rivals"

Role

Aurelia

Play

The Twin Rivals

Subject

Abington, Mrs., (Frances Barton), 1737-1815

Actors

Costume

Theater--History--18th century--Pictorial works

Women in the theater

Type

Engravings

Dimensions

5 x 3 3/4 inches

Technique

Engraving

Etching

Description

Three-quarter-length. Wearing dress with ornaments and headdress with plumes, holding fan. With text from Diary of Henry Crabb Robinson: "1811_June 16th__met the once celebrated Mrs. Abington__She herself laughed at her snub nose"

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Digital Collection

Portraits of Actors, 1720-1920, University of Illinois Library

Repository Collection

University of Illinois Theatrical Print Collection

```

<record>
- <header>
  <identifier>oai:images.library.uiuc.edu:actors/4</identifier>
  <datestamp>2007-04-03</datestamp>
  <setSpec>actors</setSpec>
</header>
- <metadata>
  - <qdc:qualifiedddc xsi:schemaLocation="http://epubs.cclrc.ac.uk/xmlns/qdc/ http://epubs.cclrc.ac.uk/xsd/qdc.xsd">
    - <dc:title>
      Frances Abington (nee Barton) as Aurelia in "The Twin Rivals"
    </dc:title>
    - <dc:subject>
      Abington, Mrs., (Frances Barton), 1737-1815; Actors; Costume; Theater--History--18th century--Pictorial works; Women in the theater
    </dc:subject>
    <dc:type>Engravings</dc:type>
    <dc:terms:extent> 5 x 3 3/4 inches</dc:terms:extent>
    <dc:subject>Engraving; Etching</dc:subject>
    - <dc:description>
      Three-quarter-length. Wearing dress with ornaments and headdress with plumes, holding fan. With text from Diary of Henry Crabb Robinson: "1811_June 16th___met th
      once celebrated Mrs. Abington__She herself laughed at her snub nose"
    </dc:description>
    - <dc:rights>
      These images are made available for educational use only and may not be used for any non-educational or commercial purpose. Approved educational uses include faculty
      research, teaching, and student projects. For additional information please contact dsd@library.uiuc.edu. Please see http://images.library.uiuc.edu if interested in obtaining
      higher resolution images for your research or a publication. Fees may apply.
    </dc:rights>
    - <dc:terms:isPartOf>
      Portraits of Actors, 1720-1920, University of Illinois Library
    </dc:terms:isPartOf>
    <dc:source>University of Illinois Theatrical Print Collection</dc:source>
    <dc:identifier>http://images.library.uiuc.edu:8081/ai/?actors,4</dc:identifier>
  </qdc:qualifiedddc>
</metadata>
</record>

```

Field name		DC map	Data type	Large	Search	Hide	Vocab		add field
1	ID Number	None	Text	No	Yes	No	No	move to	edit delete
2	Title	Title	Text	No	Yes	No	No	move to	edit delete
3	Date	Date-Created	Date	No	No	No	No	move to	edit delete
4	Role	None	Text	No	Yes	No	Yes	move to	edit delete
5	Play	None	Text	No	Yes	No	Yes	move to	edit delete
6	Subject	Subject	Text	No	Yes	No	Yes	move to	edit delete
7	Type	Type	Text	No	Yes	No	Yes	move to	edit delete
8	Dimensions	Format-Extent	Text	No	No	No	No	move to	edit delete
9	Technique	Subject	Text	No	Yes	No	Yes	move to	edit delete
10	Creator	Creator	Text	No	Yes	No	Yes	move to	edit delete
11	Publisher	Publisher	Text	No	Yes	No	No	move to	edit delete
12	Description	Description	Text	Yes	Yes	No	No	move to	edit delete
13	Rights	Rights	Text	No	No	No	No	move to	edit delete
14	Digital Collection	Relation-Is Part Of	Text	No	Yes	No	No	move to	edit delete
15	Repository Collection	Source	Text	No	Yes	No	No	move to	edit delete

Qualifiers for encoding scheme

<qdc:qualifieddc

xsi:schemaLocation="http://epubs.cclrc.ac.uk/xmlns/qdc/
 http://epubs.cclrc.ac.uk/xsd/qdc.xsd"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:qdc="http://epubs.cclrc.ac.uk/xmlns/qdc/"

xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:dcterms="http://purl.org/dc/terms/"

<dc:title>Frances Abington (nee Barton) as Aurelia in "The Twin Rivals"</dc:title>

<dc:subject xsi:type='dcterms:LCSH'>Abington, Mrs., (Frances Barton), 1737-1815; Actors; Costume; Theater--History--18th century--Pictorial works; Women in the theater</dc:subject>

<dc:type>Engravings</dc:type>

<dcterms:extent> 5 x 3 3/4 inches</dcterms:extent>

<dc:subject xsi:type='dcterms:TGN'>Engraving; Etching</dc:subject>

<dc:description>Three-quarter-length. Wearing dress with ornaments and headdress with plumes, holding fan. With text from Diary of Henry Crabb Robinson: "1811_June 16th___met the once celebrated Mrs. Abington___She herself laughed at her snub nose"</dc:description>

<dc:rights>These images are made available for educational use only and may not be used for any non-educational or commercial purpose. Approved educational uses include faculty research, teaching, and student projects. For additional information please contact dsd@library.uiuc.edu. Please see <http://images.library.uiuc.edu> if interested in obtaining higher resolution images for your research or a publication. Fees may apply.</dc:rights>

<dcterms:isPartOf>Portraits of Actors, 1720-1920, University of Illinois Library</dcterms:isPartOf>

<dc:source>University of Illinois Theatrical Print Collection</dc:source>

<dc:identifier><http://images.library.uiuc.edu:8081/u/?actors,4></dc:identifier>

</qdc:qualifieddc>

DC <subject> in MARC

653		Abington, Mrs., (Frances Barton), 1737-1815
653		Actors
653		Costume
653		Women in the theater



650 _0 Abington, Mrs., (Frances Barton), 1737-1815.

650 _0 Actors.

650 _0 Costume.

650 _0 Women in the theater.

Then what?

- Improve crosswalk from CONTENTdm OAI QDC to MARC?
- Create MARC records from the beginning?
- Defeat the original purpose of using Dublin Core
- It is too expensive!

WorldCat increases access and discovery of resources!

Using Dublin Core!

- Preserve the integrity of metadata
 - Original metadata quality can be kept as is
 - Simple and easy to use
-

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 - Taylor Surface
-

Thank you!

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<http://firstmonday.org/htbin/cgiwrap/bin/ojs/index.php/fm/article/view/1386/1304>
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Best practices draft 1.9

core elements

Field Name	Field Name
Title	Format
Creator	Type
Description	Contributor
Subject	Date
Identifier	Rights
Language	Publisher
<i>Source</i>	<i>Relation-Is Part Of</i>
<i>Coverage-Spatial</i>	<i>Coverage-Temporal</i>