DIGITAL DESCRIPTION
Metadata for Digital Collections

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Overview

- Defining metadata
- Metadata and DPLA
- Metadata tools and resources
- Examples (if time)

Metadata: What is it?

Wisconsin Historical Society WHi-69022

Metadata: What is it?

"Data about data"
aka
"Information about stuff"

Administrative metadata:
Information necessary to manage a resource (technical information, preservation activities)

Descriptive metadata:
Information that supports discovery and identification of a resource

Descriptive metadata

Information about the content and context of a resource (document, book, photograph, audio file, etc.)

- What am I looking at?
- Who created it? When? Where?
- Who owns it?
- How can I use it?

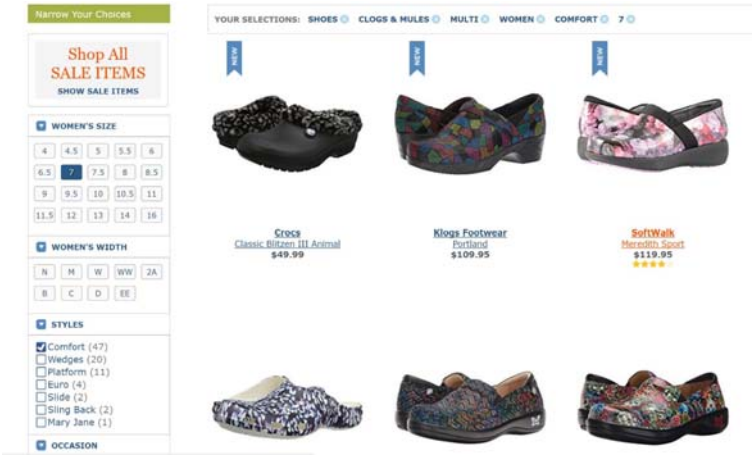
Metadata in the wild

Audio file:

- Song name
- Artist
- Album
- Run time
- Genre

Name	Time	Artist	Album
Serenata notturna D-dur, K. 239	4:25	Wolfgang Amadeus Mozart	Mozart Eine Kleine Nachtmusik (Disc 1)
Serenata notturna D-dur, K. 239	3:57	Wolfgang Amadeus Mozart	Mozart Eine Kleine Nachtmusik (Disc 1)
Serenata notturna D-dur, K. 239	3:57	Wolfgang Amadeus Mozart	Mozart Eine Kleine Nachtmusik (Disc 1)
Serenata notturna D-dur, K. 239	4:19	Wolfgang Amadeus Mozart	Mozart Eine Kleine Nachtmusik (Disc 1)
Rondo: Allegro	5:04	Wolfgang Amadeus Mozart	Mozart: Eine Kleine Nachtmusik - Serenata N…
Rondo: Allegro	5:04	Wolfgang Amadeus Mozart	Mozart: Eine Kleine Nachtmusik - Serenata N…
Rondeau: Allegro Ma Non Troppo	6:12	Wolfgang Amadeus Mozart	Mozart: Eine Kleine Nachtmusik - Serenata N…

Metadata in the wild



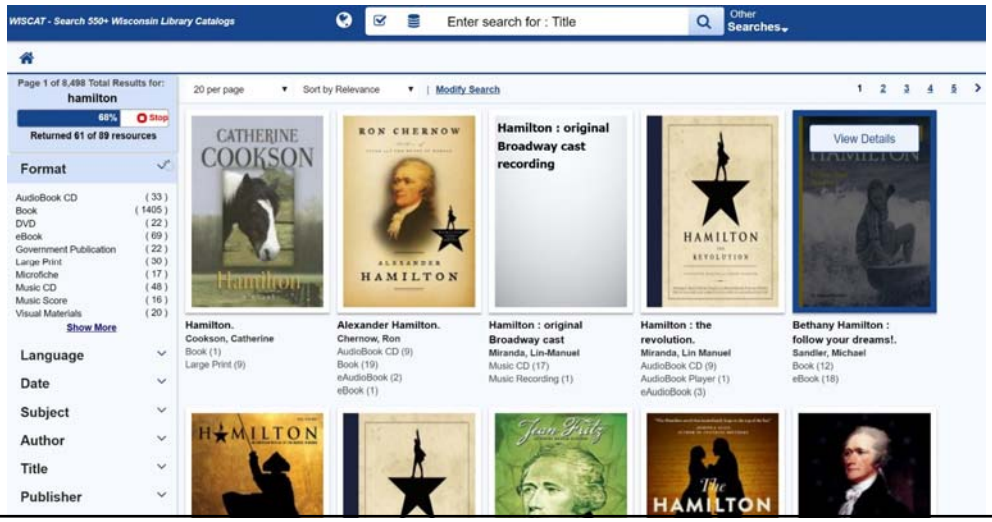
Metadata in the wild

Nutrition Facts

Serving Size 1/2 cup (115g)
Servings Per Container About 4

Amount Per Serving	
Calories 250	**Calories from Fat** 130
	% Daily Value*
Total Fat 14g	**22%**
Saturated Fat 9g	**45%**
Cholesterol 55mg	**18%**
Sodium 75mg	**3%**
Total Carbohydrate 26g	**9%**
Dietary Fiber 0g	**0%**
Sugars 26g	
Protein 4g	
Vitamin A 10%	Vitamin C 0%

Metadata in the wild



Metadata in the wild

Wisconsin Dells, Wisconsin

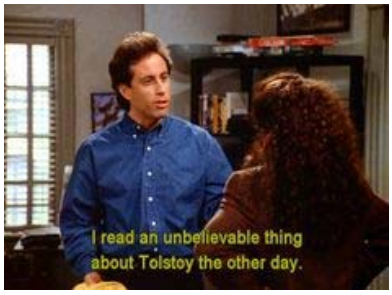
Get full image from University of Wisconsin Digital Collections

Created Date	1930-01-01/1939-12-31
Partner	Recollection Wisconsin
Contributing Institution	University of Wisconsin Digital Collections
Description	PHOTO DESCRIPTION: A postcard of Howard White Thunder, a Riverview guide, standing on and pointing forward on an excursion boat on the river in Wisconsin Dells, Wisconsin in the 1930s.
Location	Wisconsin--Wisconsin Dells
Type	image
Subject	Cities and towns Excursion boats
Rights	This image cannot be copied or reproduced without the permission of the University of Wisconsin-La Crosse, Murphy Library, Special Collections
URL	http://digital.library.wisc.edu/1711.dl/SSRecIDSearch?repl1=LaCrosseSteamboat&repl2=LaCrosseSteamboat.steam27577.bib

Metadata: What is it good for?

Structured, standardized metadata:

- Enables discovery
- Provides context
- Supports interoperability



Metadata enables discovery

Is there anything here about the history of the shipbuilding industry in Superior?
Location, Subject: Superior, Wisconsin; Shipbuilding industry

Is there video of Civil Rights events from 1968 that I can show my class?
Subject, Type, Date: Civil rights movements; Moving image; 1968

Slide adapted from DPLA Public Library Partnerships Project
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Metadata provides context

- Springfield, IL
- Springfield, South Australia
- Springfield, Ontario
- Springfield, MA
- Springfield, VA
- Springfield, OR
- Springfield, FL

Slide courtesy of DPLA Public Library Partnerships Project
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Metadata standards (a few)

- Dublin Core - Simple and Qualified
- MARC
- MODS (Metadata Object Description Schema)
- EAD (Encoded Archival Description)
- PREMIS (Preservation Metadata: Implementation Strategies)
- EDM (Europeana Data Model)
- Application Profiles e.g. DPLA MAP

Controlled vocabularies

- Definition: a limited set of terms or phrases
- Facilitate searching and browsing
- Group and connect related content within a local collection and across disparate collections

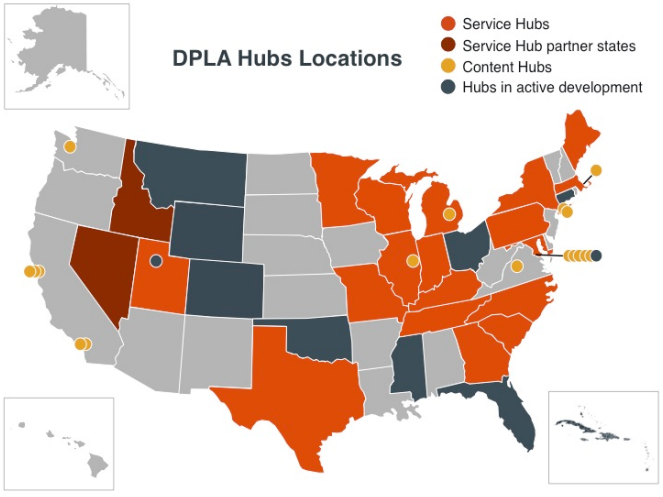
Controlled vocabularies - Examples

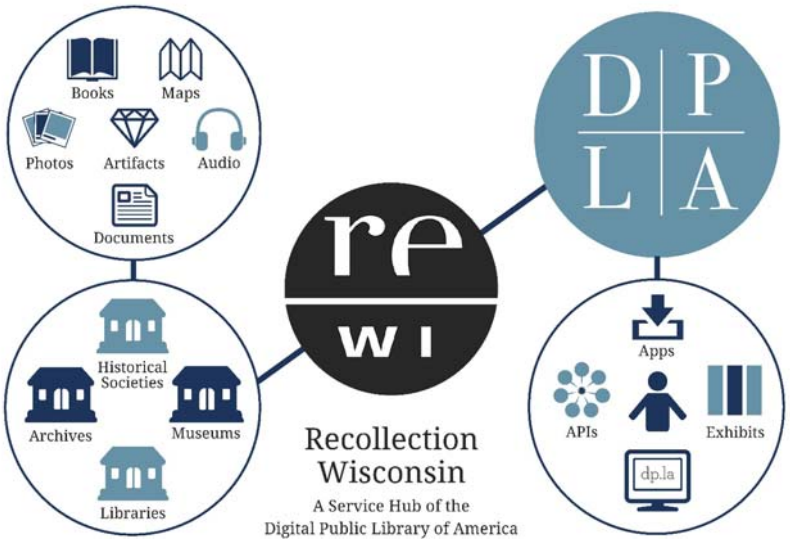
- Library of Congress Subject Headings (LCSH)
- Library of Congress Thesaurus for Graphic Materials (LCTGM)
- Getty Art and Architecture Thesaurus (AAT)
- Getty Thesaurus of Geographic Names (TGN)
- DCMI Type
- Schema.org
- Rightsstatements.org

Metadata & DPLA

visit dp.la

PONDS → LAKES → OCEAN





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recollection WISCONSIN

MILWAUKEE PUBLIC LIBRARY

WILS

WHS HISTORY

WISCONSIN DEPARTMENT OF PUBLIC INSTRUCTION

MARQUETTE UNIVERSITY BE THE DIFFERENCE.

THE UNIVERSITY of WISCONSIN MADISON

UWM UNIVERSITY of WISCONSIN MILWAUKEE

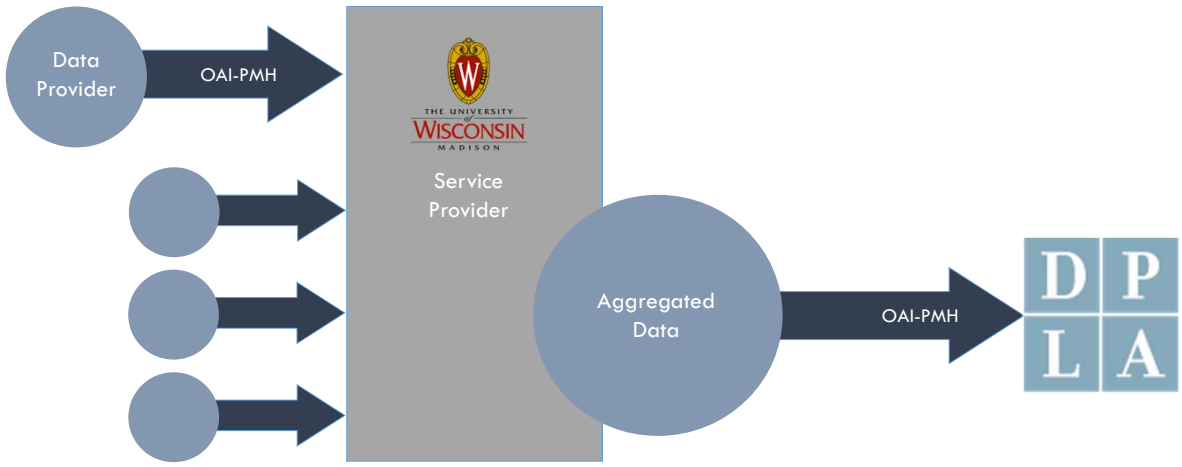
INSTITUTE of Museum and Library SERVICES

Metadata harvesting

Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH)
A protocol for harvesting (collecting) descriptive metadata records from a repository so that services can be built using metadata from many sources.

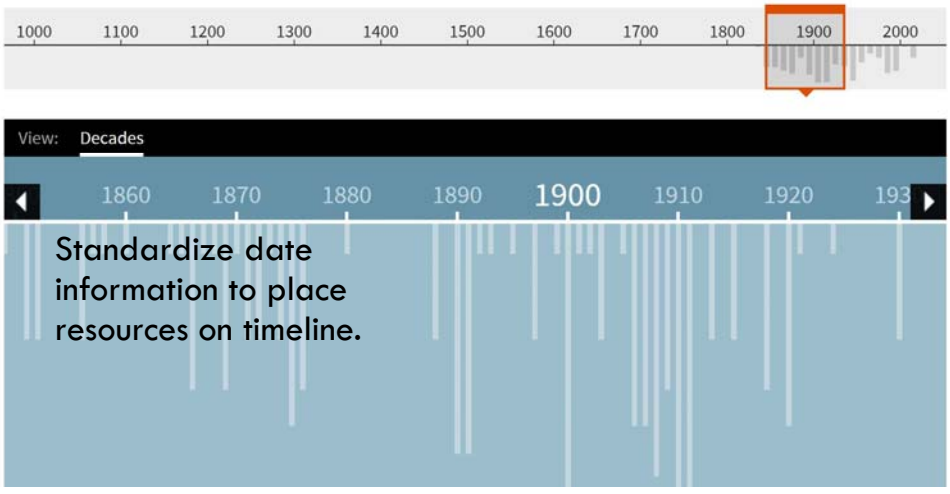
Roles:
Data Providers are repositories that expose structured metadata via OAI-PMH.

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



DPLA Metadata Enrichments

DPLA Metadata Enrichments



DPLA: Metadata as a platform

DIGITAL PUBLIC LIBRARY OF AMERICA

Search DPLA Search

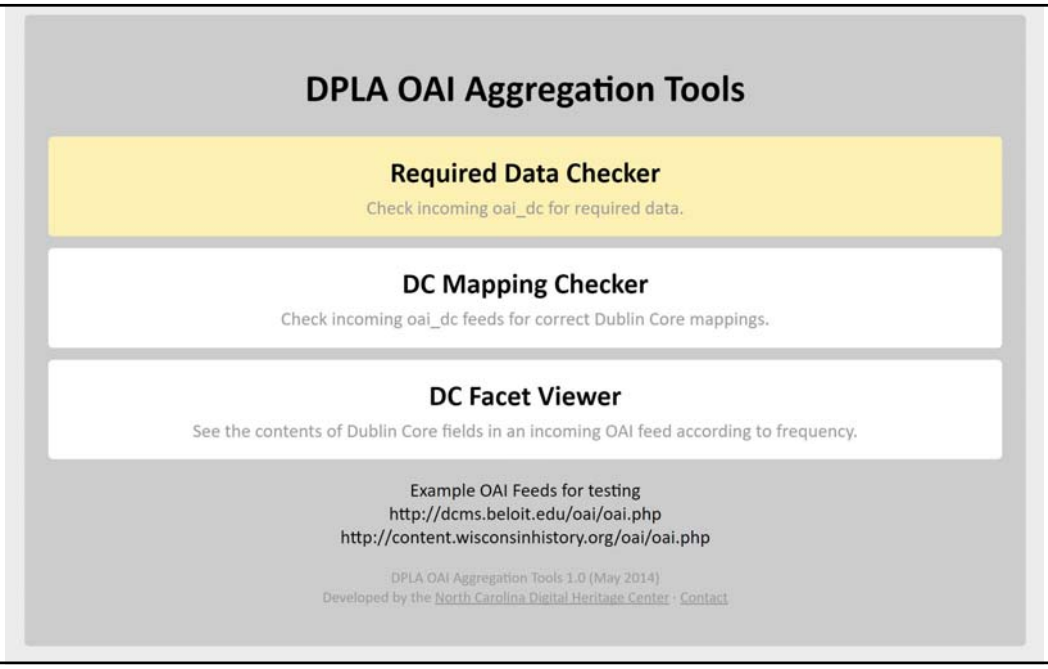
UMBRA SEARCH AFRICAN AMERICAN HISTORY

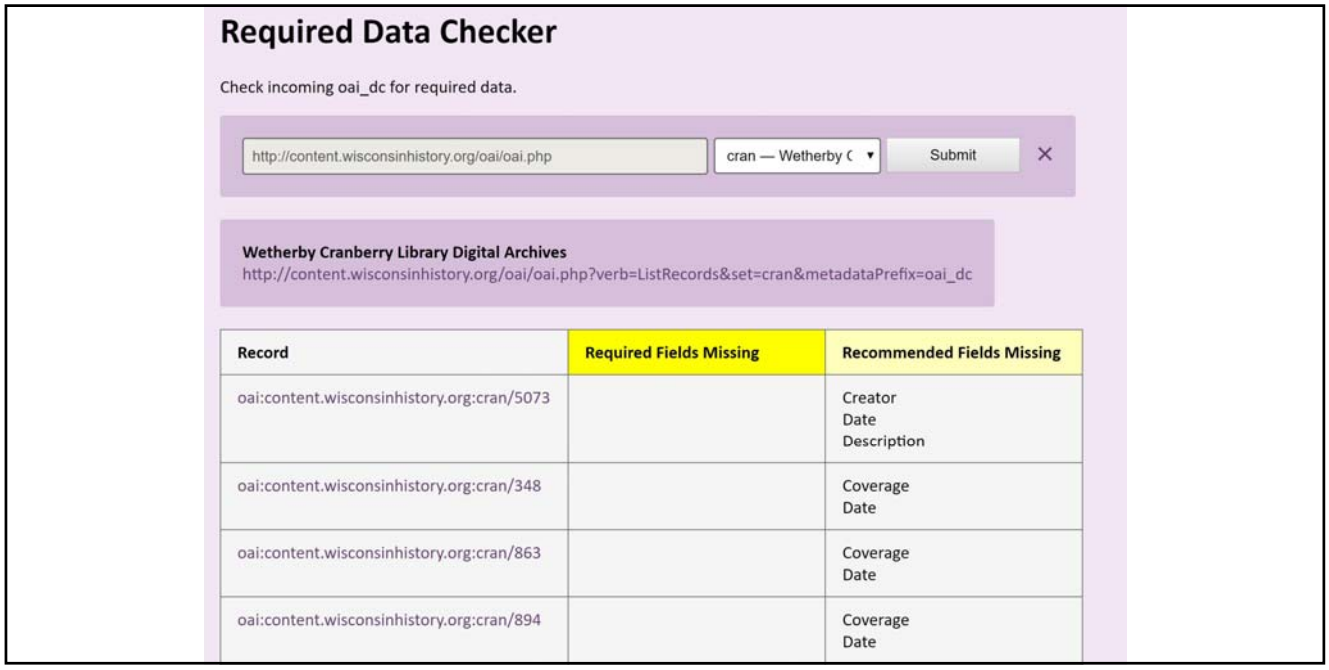
Metadata Tools and Resources

Milwaukee Area Technical College

Service Hub Resources

- Recollection Wisconsin Metadata Essentials
- RW to DPLA metadata map
- Metadata spreadsheet template
- Google Group
- Metadata Checker tool (adapted from North Carolina Digital Heritage Center)





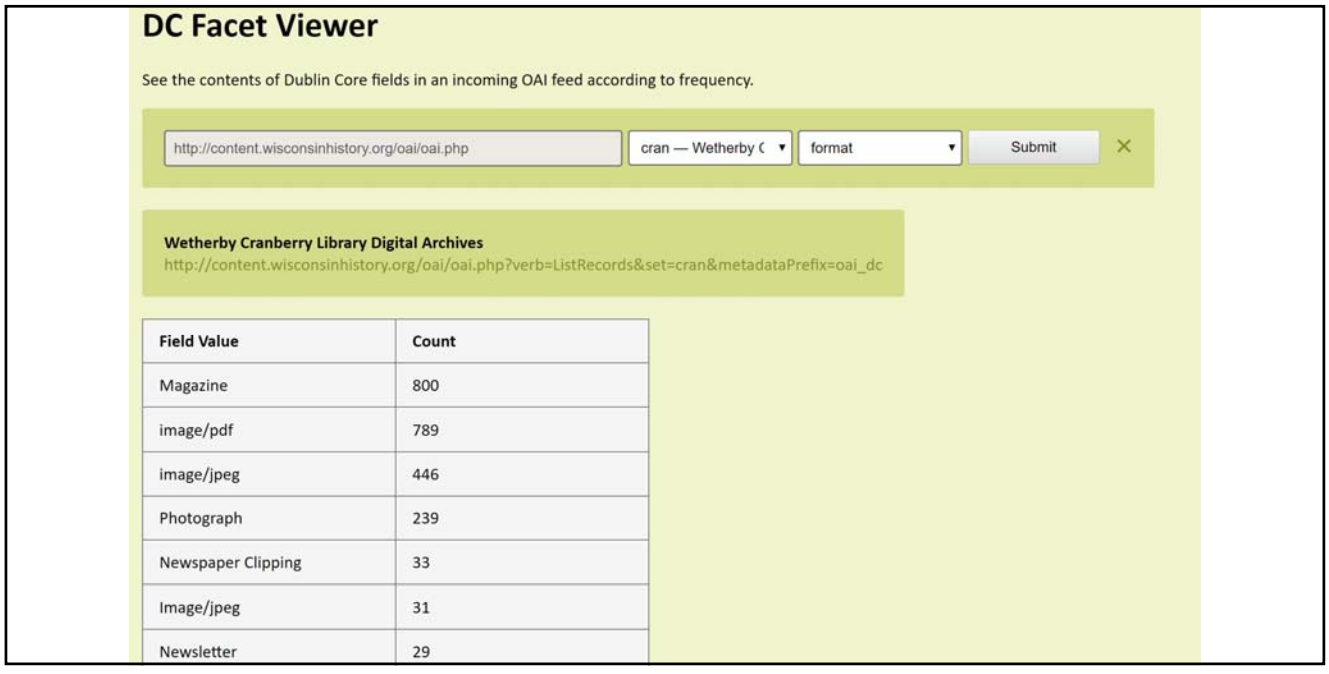
Required Data Checker

Check incoming oai_dc for required data.

http://content.wisconsinhistory.org/oai/oai.php | cran — Wetherby (| Submit

Wetherby Cranberry Library Digital Archives
http://content.wisconsinhistory.org/oai/oai.php?verb=ListRecords&set=cran&metadataPrefix=oai_dc

Record	Required Fields Missing	Recommended Fields Missing
oai:content.wisconsinhistory.org:cran/5073		Creator Date Description
oai:content.wisconsinhistory.org:cran/348		Coverage Date
oai:content.wisconsinhistory.org:cran/863		Coverage Date
oai:content.wisconsinhistory.org:cran/894		Coverage Date



DC Facet Viewer

See the contents of Dublin Core fields in an incoming OAI feed according to frequency.

http://content.wisconsinhistory.org/oai/oai.php | cran — Wetherby (| format | Submit

Wetherby Cranberry Library Digital Archives
http://content.wisconsinhistory.org/oai/oai.php?verb=ListRecords&set=cran&metadataPrefix=oai_dc

Field Value	Count
Magazine	800
image/pdf	789
image/jpeg	446
Photograph	239
Newspaper Clipping	33
Image/jpeg	31
Newsletter	29

DPLA Resources

- Intro to DPLA MAP
- Self-Guided Curriculum
- DPLA for Developers

Thank you!

For more information:
recollectionwisconsin.org
dp.la

Contact:
Emily Pfotenhauer
emily@wils.org
608-616-9756

Metadata for RW & DPLA

Required elements

- Title
- Rights
- Type
- Subject

Recommended elements

- Date
- Description
- Creator
- Place

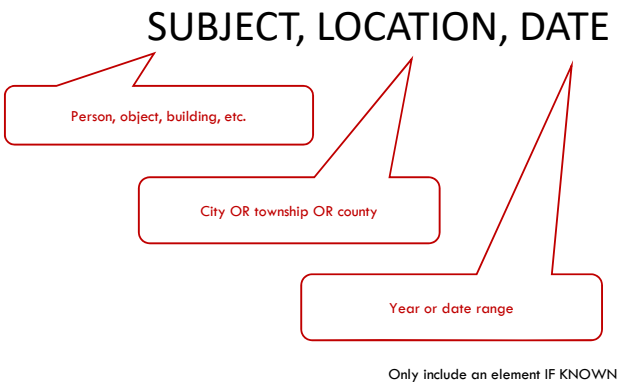
Title

If the resource does not already have a title, you'll need to create one.

An effective title is…

- Descriptive and specific
- Brief
- Follows specific formatting rules
  - Capitalize first word and proper names (people, places, institutions)
  - Don't start with "A" or"The"
  - Period not needed at the end

Basic formula for creating titles



Only include an element IF KNOWN

Rights

A. Indicate one of the three broad copyright categories (in copyright, no copyright, undetermined).

B. Identify institution with "For more information" statement.

Example: PUBLIC DOMAIN

- No copyright. For more information, contact the W. J. Niederkorn Library, Port Washington, Wisconsin.

Example: UNKNOWN

- Copyright status undetermined. For more information, contact the W. J. Niederkorn Library, Port Washington, Wisconsin.

Example: IN COPYRIGHT

- Copyright Tom McGinnis, 1978. Published with permission of the copyright holder. All rights reserved. For more information, contact the Kaukauna Public Library.

Example: ORPHAN WORK

- Rights holder unlocatable. If you believe that you possess copyright to the material included here, please contact the Kaukauna Public Library.

Type

Choose from DCMI Type Vocabulary.
Assign only one Type (typically).

DCMI Type Term	Definition	Examples
Still Image	Static visual representation	Photos, maps, posters, artwork, images of three-dimensional objects, sheet music
Text	Resource consisting primarily of words for reading	Books, articles, clippings, letters, diaries, yearbooks, audio transcripts
Sound	Resource intended to be heard	Oral history audio interviews, musical performances, speeches
Moving Image	Visual representation in motion	Movies, TV programs, animation

Subject

- Use a controlled vocabulary
- Aim for 1-5 terms.
- Input each term in a separate field, or separate multiple terms in the same field with semicolons.
- Avoid use of coordinated LCSH headings

  EXAMPLE - Instead of the coordinated heading **Veterans--Medical care--Wisconsin--Milwaukee** use the uncoordinated terms **Veterans** and **Medical care**
- How did others do it? Look at similar materials in other digital collections for examples. There is no one right answer!

Description

A free text field for all extra, relevant information that does not have a "home" in other fields.

Recommendations:

- Include names of people whenever possible
- Remember your audience is broad. Provide enough information to add meaning for non-local users
- May include short transcriptions (i.e. handwritten note on back of a photo) but NOT full-text/OCR transcripts
- You can provide historical information, but don't get bogged down in too much detail

Description

- Not so good (too little):
  - People with apple trees.

- Not so good (too much):
  - A woman wearing a hat and dress and a man in overalls stand in front of an apple tree. Twelve barrels containing apples are lined up in a row in front of them. The roof of a barn is visible behind the trees. Apples were a popular crop in America in the 19th century thanks to Johnny Appleseed. The first commercial apple orchard in Wausau was established in . . .

Description

- Good:
  - A woman and a man in an apple orchard with wooden barrels filled with apples. A child rides a tricycle at the right.
- Great:
  - Ida and Peter C. Swartz in Swartz Orchard with wooden barrels filled with newly picked apples. Peter L. Swartz rides a tricycle at right.