Northern Ohio Technical Services Librarians
WHAT CAN I DO WITH THAT?
TECH SERVICES TOOLS ROUND-UP

Ron Gardner
OCLC Digital Services Consultant
Oh my OAI!

Open Archives Initiative

Standards for Web Content Interoperability
OAI-PMH short for Open Archives Initiative Protocol for Metadata Harvesting

Cost effective mechanism for harvesting metadata

Allows service providers to harvest some or all your metadata records

Share digital assets as each library, museum, any organization as each chooses

Open Archives Initiative

Standards for Web Content Interoperability

The Open Archives Initiative develops and promotes interoperability standards that aim to facilitate the efficient dissemination of content. OAI has its roots in the open access and institutional repository movements. Continued support of this work remains a cornerstone of the Open Archives program. Over time, however, the work of OAI has expanded to promote broad access to digital resources for eScholarship, eLearning, and eScience.

http://www.openarchives.org/
ACCESS – THAT’S YOUR JOB

Share the collections that make your library special.

Catalog
Prepare to harvest
Harvested collections
Use
Users Search by Subjects and Keywords

“ofness” – what collections are made up of

“aboutness” – what collections are about

For users, research shows that important elements of description, especially minimum-level description, are keywords and terms that indicate “aboutness”.

There’s a gap between expectations of users and historical descriptive practices. Searchers / researchers less and less go to library catalogs and “archival” portals for primary resources. Changes are taking place to change / improve what libraries do to find and use digital and e-resources.


OAI... for enhancing access... for harvesting (collecting) metadata descriptions

Local: Local Library System; other

Regional: Ohio Memory, Mountain West Digital Library, other

National: OCLC, Chronically America, DPLA, other
Cataloging – and all that it entails

Libraries’ digital resources YOU want more use

Create database of digital items and metadata

State Library: Consortium
CONTENTdm – The Big Picture

Your digital collections

CONTENTdm
• Digital Collections' management
• Metadata & Digital items
• Website customization
• Optional long term digital preservation

CONTENTdm website

YOUR CONTENTdm website

WorldCat

Google

DPLA

Best Practices for CONTENTdm and other OAI-PMH compliant repositories: creating sharable metadata

Challenges
Essentially there are four types of problems that we see when metadata are viewed outside the context of the collection home.

• Lack of consistency within a single collection.
• Too much information.
• Lack of key contextual information.
• Lack of conformance to technical standards.

http://www.oclc.org/content/dam/support/wcdigitalcollectiongateway/MetadataBestPractices.pdf
CONTENTdm - database

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<th>Search</th>
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Controlled vocabulary

Controlled vocabulary = virtual collection / "aboutness"
### Controlled vocabulary

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<tr>
<th>Object Description</th>
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<tr>
<td><strong>Location of Original</strong></td>
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<tr>
<td><strong>Rights</strong></td>
</tr>
</tbody>
</table>
Your initial work is complete.

Search and find and use.

Some Ohio Libraries & CONTENTdm

- Ohio Memory: https://goo.gl/eD8wP6
- University of Akron: https://goo.gl/3qbaBZ
- Columbus Metropolitan Library: https://goo.gl/BSYOQg
- UA Archives: https://goo.gl/SNINmj
- Cleveland Digital Public Library: https://goo.gl/37aGFj
- The Five Colleges of OHIO Digital Collections: https://goo.gl/le9kzT
Your end users’ success in searching and finding and using your CONTENTdm digital collections.

Harvesting of your metadata to be shared

[Diagram showing the process of harvesting metadata from a database to be shared]
Libraries' digital resources YOU want more use

State Library; Consortium

Create database of digital items and metadata

CONTENTdm

Harvester service
- Get Data
- New metadata database aggregator

Because what is known must be shared.

Moving forward with purpose
WorldCat synch

The Digital Collection Gateway enables you to synchronize metadata from your collection to WorldCat. You can use the Digital Collection Gateway to create metadata mapping profiles for your collection metadata to be regularly harvested (using Open Archives Initiative Protocol for Metadata Harvesting [OAI-PMH]), crosswalked, and converted to WorldCat metadata format. After harvesting, WorldCat returns a list of OCLC numbers; we recommend adding the OCLC numbers to your collection’s metadata to support future synchronizations.

https://goo.gl/pVMVoJ

- Enabling WorldCat Sync
- Adding Collection Description
- Editing Collection Description
- Registering with Digital Collection Gateway
- Mapping Metadata & Syncing with WorldCat
- Updating CONTENTdm Collections with OCLC Numbers

A Step-by-Step Guide to Contributing to DPLA via Indiana Memory

Step 1: Determine if your institution is ready to contribute to the Digital Public Library of America:
- Institution has at least one online collection.
- Collection images and metadata are stored in a content management (CM) system or other Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH) compliant system.
- Digital collection has the bare minimum metadata fields required by DPLA for each digital object: Title, Rights.

If your institution meets all of these criteria:

Step 2: Contact Conseil Beneficial at the ISL to discuss the State Library Data Exchange Protocol form. Submitting this form to the State Library is required to begin the process of contributing digital content to Indiana Memory.

Step 3: Work with the Indiana State Library to ensure your metadata and content management system meet the requirements for ingest into Indiana Memory. Existing metadata may need to be cleaned up or added by taking this step. If the responsibilities of the contributing source, the Indiana Memory Application Profiles (IMAP) are followed, the DPLA Metadata Application Profile (MDAP) be understood what may be required of institution during clean-up and mapping.

Step 4: Indiana Data Library harvests collection metadata and thumbnails using the DPLA harvest and the Indiana Memory Application Profiles (IMAP) for content.

Step 5: DPLA harvests collection metadata and thumbnails from Indiana Memory.
DPLA Metadata Application Profile (MAP)

The DPLA API is built following the DPLA Metadata Application Profile (MAP), our internal metadata application profile. Currently, the DPLA API implements DPLA MAP version 3.1. The DPLA MAP is designed to build on the experience of the Europeana Data Model (EDM) and to crosswalk with commonly used metadata standards, including Dublin Core (qualified and unqualified), MODS, and others. It references Dublin Core Terms, the Dublin Core Metadata Element Set, ORE, and a variety of controlled vocabularies and thesauri. The MAP will continue to evolve to implement more linked-data friendly methodologies to better share, expose, and connect DPLA's content with users across the web.

Types
Both the sourceResource and facet fields, as well as objects in the docs array, contain a type field. facet.type determines the structure of the returned facet, but the other types are just here so you know what values currently show up in the data.

Source Resource Types
- text
- image
- sound
- moving image
- physical object
- Document Types
- Item

Facet Types
- collection
- Facet Types
- terms
- date_histogram
- geo_distance

Metadatad standards

Charge
Identify sharable metadata best practices that can serve as models for Ohio, determine if it's possible to adopt or adapt one of those best practices for Ohio DPLA; compare DPLA Metadata API to Ohio metadata best practices/standards; develop and recommend a sharable metadata best practice for the Ohio DPLA project, focusing on the content within the elements; initiate metadata advocacy/education program; identify metadata barriers to contribution at the digitization hubs, Ohio Memory, and other major metadata content contributors.

Co-chairs
Katrina Marshall, Public Library of Cincinnati and Hamilton County
Meghan Frazer, OhioLINK

Members
Lily Birkhimer, Ohio History Connection
Stephanie Bricking, Public Library of Cincinnati and Hamilton County
Damon DeBorde, Ohio University Libraries
Marshia Miles, Cleveland State University
Aaron O’Donovan, Columbus Metropolitan Library
Amanda Raab, Rock and Roll Hall of Fame & Museum
Maureen Walsh, Ohio State University Libraries

Liaison with Steering Committee: Angela O'Neal, Columbus Metropolitan Library

http://www.dplaohio.org/main:metadata
"Sharing IFPRI's intellectual output through WorldCat is one of the ways that the work by International Food Policy Research Institute's researchers is discoverable by worldwide academic audiences."

Ryan Miller, Digital Services Librarian, The International Food Policy Research Institute

Maximize visibility of your digital collections by adding your metadata to WorldCat. Drive traffic to your open-access resources.

The WorldCat Digital Collection Gateway provides you with a self-service tool, available at no charge, for harvesting the metadata of your unique, open-access digital content into WorldCat. Once there, your collections are more visible and discoverable to end users who search WorldCat as well as Google and other popular websites. The Gateway is compatible with all OAI-PMH-compliant repositories, including CONTENTdm®.

Right tool for the job
Mapping Metadata & Sync'ing with WorldCat

- Harvests Dublin Core metadata from OAI -dc records
- Machine validates the MARC record
  - You adjust the WorldCat.org public display
- You approve mapping for each set or collection
- You click to load to WorldCat
  - Harvest at any time
  - Schedule automatic harvests

For more information, see the Using the WorldCat Digital Collection Gateway tutorial. (PDF)
Editing prior to harvesting – from Dublin Core

MARC view

Prepared & presented by Ron Gardner, OCLC
From CONTENTdm to MARC in WorldCat

CONTENTdm & WorldCat Digital Collection Gateway Overview

January 17, 2017. 2:30 pm Eastern | 11:30 am Pacific

This presentation provides an overview of CONTENTdm® and the WorldCat® Digital Collection Gateway. It includes discussion of the functionality built into the CONTENTdm Administration modules, including Collection and Website Configuration. A live demonstration using the very latest OCLC Hosted CONTENTdm version includes adding digital items to a Collection both with the web-based “add” function. Both simple and compound objects are used to build and demonstrate browsing and searching the CONTENTdm website.

Because CONTENTdm supports the Open Archives Initiative’s protocol for metadata harvesting, (OAI-PMH) published collections may be shared through the WorldCat sync and OAI functions. The presentation ends with a brief look at CONTENTdm item metadata as displayed in WorldCat after being harvested through the Gateway according to this standard protocol.
Discoverable, thus using your local digital resources

- Local: Local Library System; other
- Regional: Ohio Memory, Mountain West Digital Library, other
- National: OCLC, Chronically America, DPLA, other

Libraries’ digital resources YOU want more use

Users go to favorite services when they want library related results

- WorldCat search
- Google
- WorldCat
- Google aggregator
- DPLA
- Library Local System

Create database of digital items and metadata

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- Get Data
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State Library: Consortium
Google search

Search results for "Pinus, Juniperus, Taxus"

Worldcat search

Search results for "Pinus, Juniperus, Taxus"
Northern Ohio Technical Services Librarian Program

November 21, 2016

DPLA search

Search Results

Your search for 'Pinus, Juniperus, Taxus' returned 8 results from 2 contributing institutions.

Refine search

Subject

Trees
T

Taxus
T

Pinus
T

Butler University Libraries local system search

WorldShare Management Services (WMS): WMS WC Local search boxes

Search Butler University Libraries and beyond

Search: 'Pinus, Juniperus, Taxus'

Search Taylor University Zoondervaart Library and beyond

If you select the vertical option, it looks something like this Taylor Online search. Regardless, whether...

Prepared & presented by Ron Gardner, OCLC

Page 21
Butler University Libraries local system results

Butler University CONTENTdm search
Butler University CONTENTdm search description

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<th>Description</th>
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<tr>
<td>Source Name</td>
</tr>
<tr>
<td>Rights</td>
</tr>
</tbody>
</table>

“To make that connection [the past and how it affects everyday lives], they use CONTENTdm® to power their digital storytelling platform, Destination Indiana.” Susan Sutton, Director of Digitization, Indiana Historical Society.
Montana Memory Project connects Native American students with their past
Over the course of four summers (2009-2012), students from the Native American Studies Department at the University of Montana photographed a total of 65,714 pages from 126 boxes of Bureau of Indian Affairs records held at the National Archives in Washington, D.C. In digitizing these materials, Native American students built connections to the history of their tribes and, in some cases, to their own direct ancestors. All of these images are available on the Montana Memory Project and the Digital Public Library of America. MontanaMemory.org & DP.LA

https://www.youtube.com/watch?v=dWWL2JAhOPLU

Google search leading right to library’s digital resources

king gibson thompson

King Gibson Thompson and Ethel Horner Thompson Freeside Their Home, 1920 • www.seattlepi.com
[In July of 1099, William Galbraith, a laird of a clan, was with King William III of ... will know Scottish ancestors La: William Thomson (1692-1711) married to ...]
Social networking / sharing…

https://goo.gl/hwvb6C

CONTENTdm item and cataloging

Identifier: hiimp036i001_King Gibson Thompson
Title: King Gibson Thompson
Description: Born in Georgetown, Ohio, King Thompson (1876-1960) conceived the idea for Upper Arlington after seeing the Country Club District in Kansas City, Missouri. Thompson not only developed Upper Arlington, but lived there as well, building his family's home at 1930 Cambridge Boulevard on the north corner of Edgemont Road and Cambridge Boulevard. (Courtesy of Dr. Martin P. Sayers and Marjorie Garvin Sayers.)
Format: Black and White Photograph
Original Dimensions: 11.2 cm x 15.9 cm
Subjects: Portrait Photographs
Location/s: Upper Arlington (USA, Ohio, Franklin County)
Publisher: Upper Arlington Public Library - http://www.ualibrary.org

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Building and Land Development

Residents

Date created: 12/12/2013
Social media, networking…

Pinterest

https://www.pinterest.com/jvoelger/albany/
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WorldCat search

Google aggregator

Google

State Library: Consortium

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DPLA

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Because what is known must be shared.

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