

Documenting Our MAPs



Creating, Using, and Sharing Metadata Application Profiles

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Evanston, Illinois

Where are we coming from?

- Metadata info hard to find in Samvera Community
 - Sufia
 - Hyrax
 - Avalon (there is something, but it's complicated)
 - Hyku (there is a draft)
- Metadata info needs
 - Migration
 - New instance
 - Modification for local needs

What is a MAP?

- Metadata Application Profile
 - Specifies metadata fields being used to describe a collection or work type
 - Identifies vocabularies or terms to be used in description
 - May include technical constraints:
 - Cardinality/Obligation - number of times a field may or must be used
 - Expected value/Range - ISO/EDTF format, string, URI, Agent
 - Indexing information

We Make MAPs For

- Consistency
- Defining Work Types
- Handling Collections of Like Objects

We Use MAPs To

- Guide development
- Facilitate migration or interchange
- Provide guidance for description

A MAP May Look Like

- A METS profile
 - Subset of fields to use
 - Instructions for use and repeatability
- CONTENTdm collection metadata fields
 - Internal field names
 - Mapping to DC
 - Control of data type
 - Restrictions on search, hide, required, vocabulary use
- An audio work profile
 - Mix of schemas
 - Instructions for use
 - Instructions for programmatic implementation

Work MAPs vs. Collection MAPs

Book

Map

Image

Audio

Document

Coll 1

Coll 2

Coll 3

Coll 4

Coll 5

Coll 6

Coll 7

Coll 8

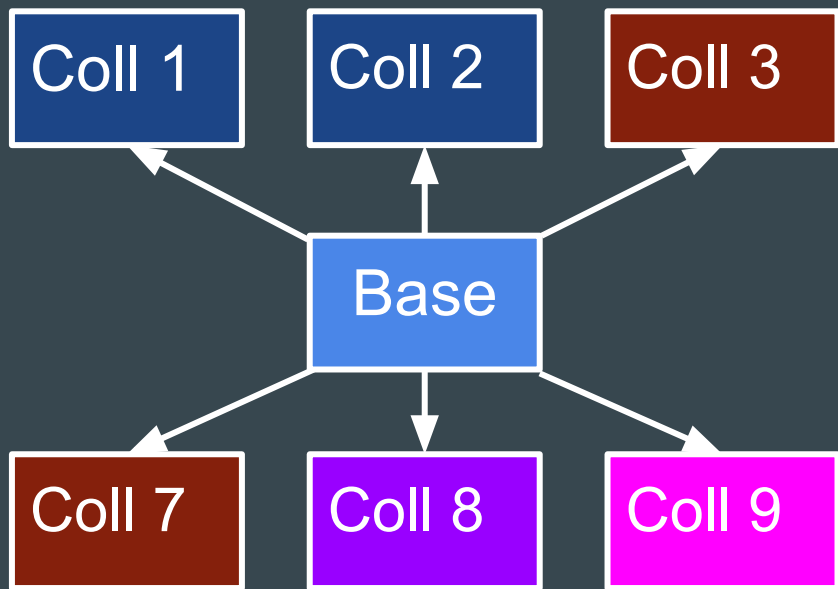
Coll 9

Coll 10

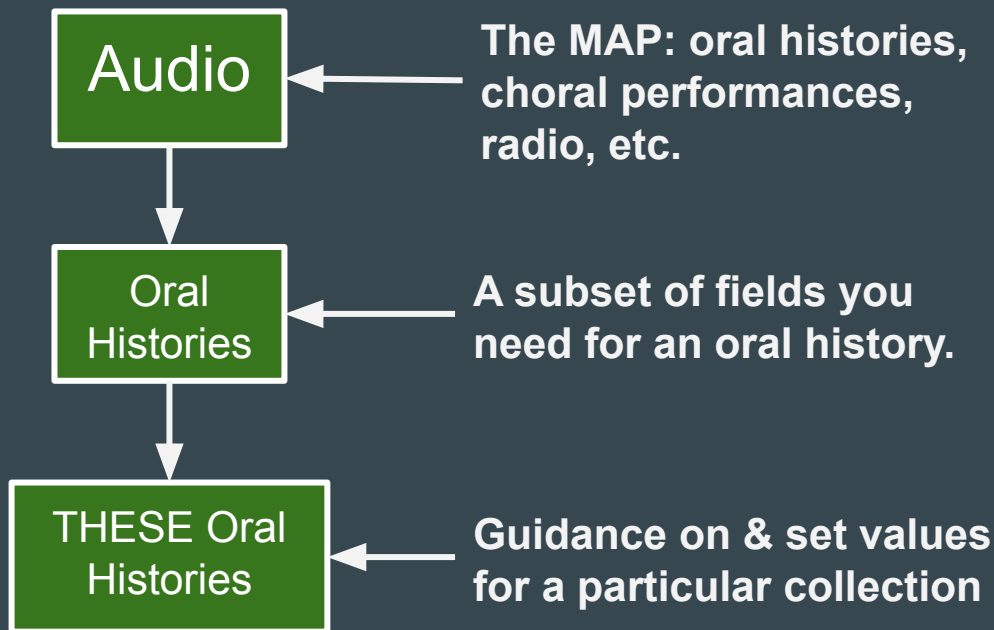
Coll 11

Coll 12

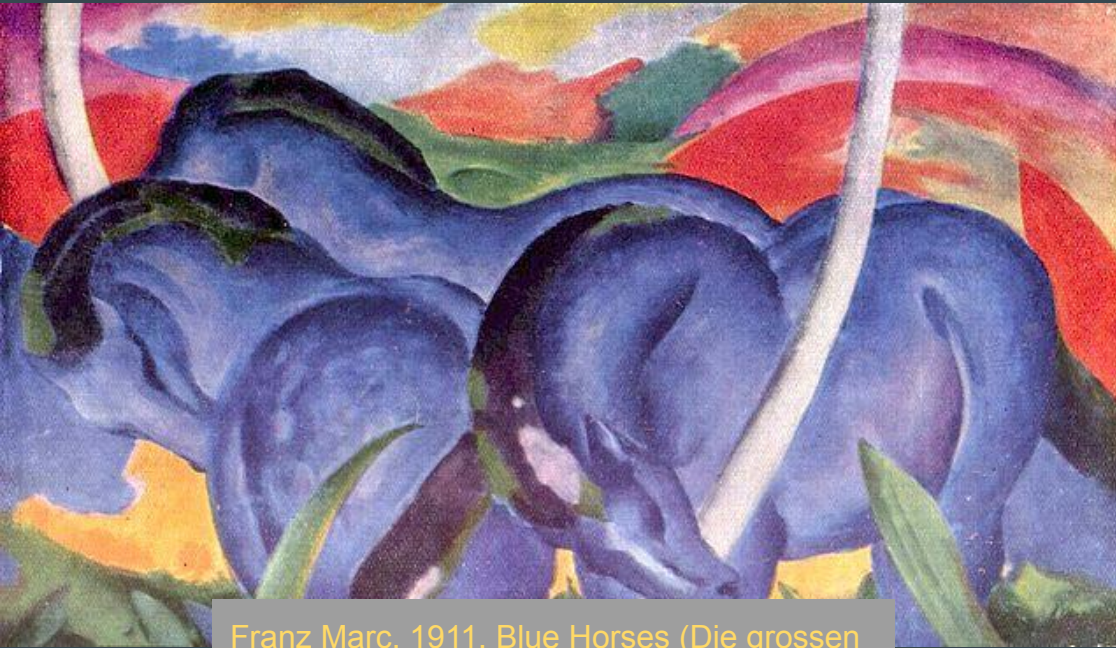
Theory vs. Practice on Collection MAPs



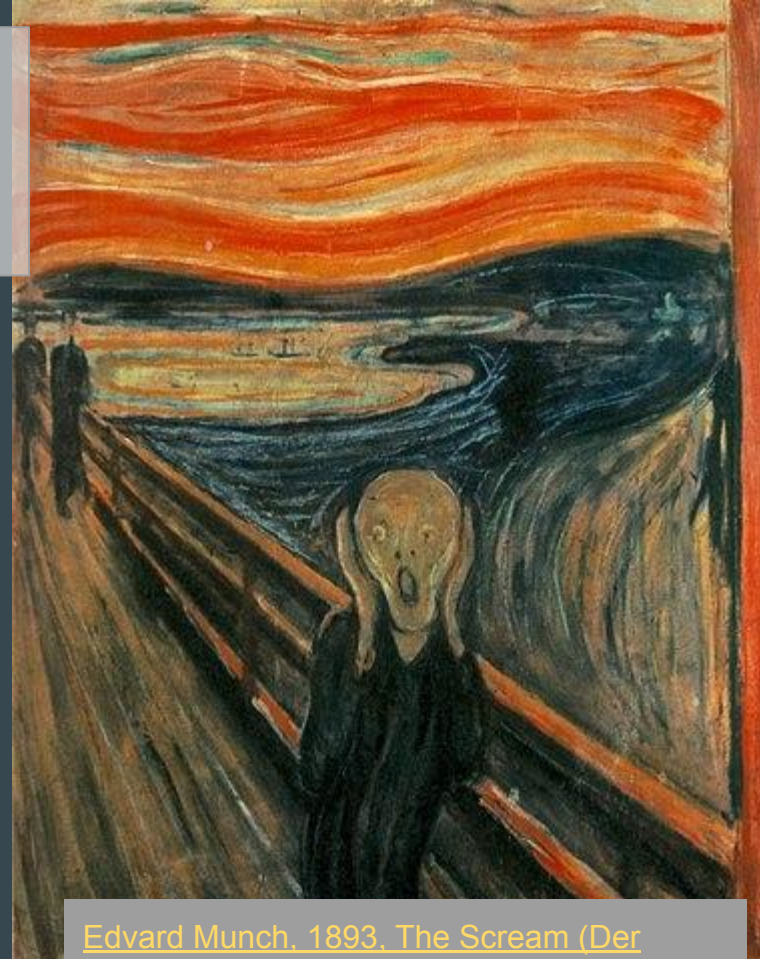
Using a Work MAP to Derive Templates/Guides



Example Audio MAPs



Franz Marc, 1911, Blue Horses (Die grossen blauen Pferde), Oil on canvas, 105.7 x 181.1 cm (41 5/8 x 71 5/16 in), Walker Art Center, Minneapolis, Minnesota



Edvard Munch, 1893, The Scream (Der Schrei der Natur), Oil, tempera, pastel and crayon on cardboard, 91 x 73.5 cm (36 x 28.9 in), National Gallery, Oslo, Norway

Avalon Media System

MAP(s)

"Finding A History of the Black Man in Indiana"

Date

1972-12-19

Collection

The Afro-American in Indiana (radio series)

Unit

Archives of African American Music and Culture

Language

English

Physical Description

1 audiotape (analog) (32:56) : 7 in.

Notes

Radio series: Afro-American in Indiana

Other Identifier

Other: OR 206

Avalon MAP -

<http://bit.ly/Avalon6MAP>

- Technical properties for classes
 - MasterFile, MediaObject, Encoding, Lease, Collection, Derivative, Permalink
- RDF properties directly on Fedora 4 object

[Pages](#) / [Avalon Media System](#)

[/ Documentation](#) 

Avalon Metadata Profile

Created by Julie Hardesty, last modified on Jul 14, 2017

The following are properties in use for the different models defined in Fedora for Avalon, versions 6 and higher. For information about descriptive metadata fields used in the Resource Description Form and Batch Ingest, see [Batch Ingest Package Format](#) in the [Avalon Collections Guide](#).

MasterFile Class Predicates

ebucore:title	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#title
ebucore:locator	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#locator
nfo:hashValue	http://www.semanticdesktop.org/ontologies/2007/03/22/nfo#hashValue
ebucore:fileSize	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#fileSize
ebucore:duration	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#duration
ebucore:aspectRatio	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#aspectRatio
ebucore:width	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#width
ebucore:height	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#height
premis:hasFormatName	http://id.loc.gov/ontologies/premis.html#hasFormatName
ebucore:dateCreated	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#dateCreated
ebucore:hasFormat	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#hasFormat
ebucore:filename	http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#filename
loc:local	http://id.loc.gov/vocabulary/identifiers/local

Avalon MAP Properties -

<http://bit.ly/Avalon6MAP>

Derivative class

- ebucore:duration
- ebucore:filename
- ebucore:locator
- ebucore:identifier
- avalon:hlsURL
- avalon:hlsTrackID
- avalon:isManaged
- **avalon:resolution**

MediaObject class

- ebucore:duration
- loc:local
- avalon:avalon_publisher
- avalon:avalon_uploader
- avalon:avalon_resource_type

Permalink class

- dc:identifier*

MasterFile class

- ebucore:title*
- ebucore:locator
- nfo:hashValue
- ebucore:fileSize
- ebucore:duration
- **ebucore:aspectRatio**
- **ebucore:width**
- **ebucore:height**
- premis:hasFormatName
- ebucore:dateCreated
- ebucore:hasFormat
- ebucore:filename
- loc:local
- **avalon:posterOffset***
- **avalon:thumbnailOffset***

Collection class

- dcterms:title*
- bf:heldBy*
- dcterms:description*
- avalon:dropbox_directory_name
- avalon:default_read_users
- avalon:default_read_groups
- avalon:default_visibility
- avalon:default_hidden

Encoding class

- ebucore:encodingLevel
- ebucore:hasMimeType
- **ebucore:width**
- **ebucore:height**
- **ebucore:hasCodec**
- **ebucore:bitRate**
- **avalon:audioCodec**
- **avalon:audioBitrate**

Lease class

- schema:startDate*
- schema:endDate*

Avalon Descriptive MAP

<http://bit.ly/AvalonDescMAP>

Heavily based on library
catalog MARC/MODS
fields (general
description)

No unique audio or video
description

Supported Field Names

Required fields include "Title", "Date Issued" and "File" (bolded below and in .xls template). Exception: If "Bibliographic ID" ingest is used, only "file name" is then required.

- Bibliographic ID
 - MODS mapping: relatedItem@type="original"/identifier
 - Not repeatable
 - Editable after ingest in "Bibliographic ID" field of Resource Description form.
 - Used to identify the original MARC catalog record from which metadata was generated and import data from the catalog record into Avalon.
 - Inclusion of a bibliographic ID will cause any other descriptive metadata (including Required descriptive fields) entered into the spreadsheet besides the **Bibliographic ID Label** to be ignored. The Required file fields will, however, be read and used.
 - Information about how the corresponding MARC record is mapped to Avalon MODS is found in the [MARC record ingest](#) section below.
- Bibliographic ID Label
 - MODS mapping: relatedItem@type="original"/identifier@type
 - Not repeatable
 - Editable after ingest in "Bibliographic ID" field of Resource Description form.
 - Identifies the type of bibliographic ID supplied in the **Bibliographic ID** column. Valid types depend on system configuration and by default include "local", "oclc", "lccn", "issue number", "matrix number", "music publisher", "video recording identifier", and "other".
 - The value of "local" maps to "Catalog Key" in the Resource Description Form.
 - Batch will fail if value is not in the configured list of valid values.
 - Will be ignored if no Bibliographic ID value is present
- Other Identifier
 - MODS mapping: relatedItem@type="original"/identifier
 - Repeatable
 - Editable after ingest in "Other Identifier" field of Resource Description form.
 - Used to identify an external record that can connect the Avalon item to a catalog record or other record for the original item. This identifier differs from Bibliographic Identifier in that it is not used to retrieve a record from another system.
 - Must be paired with a value for Other Identifier Type

Bibliographic ID	Publish
Bibliographic ID Label	Hidden
Other Identifier	File
Other Identifier Type	Label
Title	Offset
Creator	Skip Transcoding
Contributor	Absolute Location
Genre	
Publisher	
Date Created	
Date Issued	
Abstract	
Language	
Physical Description	
Related Item Label	
Related Item URL	
Topical Subject	
Geographic Subject	
Temporal Subject	
Terms of Use	
Table of Contents	
Note Type	
Note	

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Information
about
file

Information
about
content

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Moving Avalon descriptive metadata from MODS XML to RDF (for Fedora 4)

Avalon Hyrax property comparison

Avalon Hyrax property comparison				
File Edit View Insert Format Data Tools Add-ons Help Last edit was made on June 22 by Juliet Hardesty				
100% \$ % .0 .00 123 Calibri 12 B I S A				
fx	dc: http://purl.org/dc/elements/1.1/ dcterms: http://purl.org/dc/terms/ edm: http://www.europeana.eu/schemas/edm/ rdfs: http://www.w3.org/2000/01/rdf-schema# foaf: http://xmlns.com/foaf/0.1/			
1				
2	Form field label	MODS element	Hyrax RDF property	MODS To RDF MAPPING
3	Bibliographic ID	relatedItem@type="original"/identifier		loc:local
4	Bibliographic ID Label	relatedItem@type="original"/identifier@type		
5	Other Identifier	relatedItem@type="original"/identifier		
6	Other Identifier Label	relatedItem@type="original"/identifier@type		local = loc:local; locn = loc:locn; issue number = loc:issue-number; matrix number = loc:matrix-number; music publisher = loc:music-publisher; video recording identifier = loc:videorecording-identifier; oclc = dbpedia:oclc
7	Title	titleInfo/title	dc:title	dcterms:title
8	Creator	name@usage="primary"/namePart (role/roleTerm set to "Creator")	dc:creator	relator:cre
9	Contributor	name/namePart (role/roleTerm set to "Contributor")	dc:contributor	relator:ctb
10	Genre	genre		edm:hasType
11	Publisher	originInfo/publisher	dc:publisher	dcterms:publisher
12	Date Created	originInfo/dateCreated@encoding="edtf"		dcterms:created
13	Date Issued	originInfo/dateIssued@encoding="edtf"	dcterms:created	dcterms:issued
14	Abstract	abstract	dc:description	dcterms:abstract
15	Language	language/languageTerm	dc:language	dcterms:language
16	Physical Description	relatedItem@type="original"/physicalDescription/extent		bibframe:extent
17	Related Item URL	relatedItem@displayLabel/location/url	rdfs:seeAlso	dcterms:relation
18	Related Item Label	relatedItem@displayLabel		rdfs:label?? dc:relation??
19	Topical Subject	subject/topic	dc:subject	dcterms:subject
20	Geographic Subject	subject/geographic	foaf:based_near	dcterms:spatial
21	Temporal Subject	subject/temporal		b12:temporalCoverage
22	Permalink	location/url@access="object in context"	dc:identifier	edm:isShownAt
23	Terms of Use	accessCondition@type="use and reproduction"	edm:rights	dc:rights
24	Table of Contents	tableOfContents		dcterms:tableOfContents
+ Descriptive Technical Non-matching Hyrax properties				

Notre Dame Audio MAP

Notre Dame Audio MAP, see more: <http://bit.ly/NDAudioMAP>

Predicate	Model Attribute Name	Display label	Content Type	Index	Required	Cardinality
http://purl.org/dc/terms/title	:title	Title	String	Y	Y	one
http://purl.org/dc/terms/description	:description	Description	Text	Y	N	one
http://purl.org/dc/terms/alternative	:alternative	Alternate Title	String	Y	N	multiple
http://id.loc.gov/vocabulary/relators/prf	:performer	Performer(s)	String	Y	N	multiple
http://id.loc.gov/vocabulary/relators/cmp	:composer	Composer(s)	String	Y	N	multiple
http://id.loc.gov/vocabulary/relators/cnd	:conductor	Conductor(s)	String	Y	N	multiple
http://id.loc.gov/vocabulary/relators/aut	:work_author	Author(s)	String	Y	N	multiple
http://id.loc.gov/vocabulary/relators/ivr	:interviewer	Interviewer(s)	String	Y	N	multiple
http://id.loc.gov/vocabulary/relators/ive	:interviewee	Interviewee(s)	String	Y	N	multiple

Notre Dame Audio MAP by Ontology

DCTerms

- title
- description
- alternative
- creator
- contributor
- subject
- language
- isPartOf
- created
- publisher
- issued
- source
- relation

MARC Relators

- prf (performer)
- cmp (composer)
- cnd (conductor)
- aut (author)
- ivr (interviewer)
- ive (interviewee)
- spk (speaker)
- pro (producer)

EBUCore

- duration
- hasGenre
- isDerivedFrom

Local

- dc:creator#administrative_unit
- alephIdentifier

Now Let's Share!

- New? Start Here ▼
- Development Resources ▼
- Running in Production ▼
- Developer Community ▼
- Manager Guide ▼
- User Interface Testing ▼
- A-Z Index

A Guide For The Perplexed Samvera Developer

Knowledge Base Categories [↗](#)

Note: This site is under active development. Some pages do not yet contain content, and are either in creation or awaiting approval. If there's a page you'd like to see prioritized, create an [issue](#). Pages that contain full content have been reviewed and approved of.



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Introductory and
background material.

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articles and tutorials.

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Production*
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solr stack in
production.

[Learn More](#)

*Samvera
Development
Community*
Contributing,
development patterns

[Learn More](#)

<http://samvera.github.io>

DLF AIG Metadata Application Profile Clearinghouse Project

A Collection of Application Profiles for Digital Collections

7 Metadata Guideline Documents Provided By 4 Institutions

All Mapping Documents

Application Profiles

Mappings

Code

Best Practices



Digital Public Library of America



Mountain West Digital Library



Fondren Library, Rice University

UNIVERSITY of
HOUSTON

University of Houston Libraries

+ Submit Your Institution's Documents

<http://bit.ly/MAPClearinghouse>

Samvera Metadata Interest Group Meetings

- Thursday, 3:10-4:30pm (Grand Parlour B)
- Monthly call, 4th Tuesday at 3-4pm Eastern
- <http://bit.ly/SMIGDocumentation>

Bring:

- Questions?
- Ideas!
- Jokes and/or donuts