



## Electronic Thesis and Dissertation Data Model

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**Version 1.0**  
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## CSU ScholarWorks Electronic Thesis and Dissertation Data Model

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The purpose of the California State University Scholarworks Electronic Thesis and Dissertation Data Model is to:

- Ensure a uniform standard for metadata capture throughout the CSU Institutional Repositories for thesis and dissertation related works.
- Facilitate the maintenance of uniform vocabularies and authority records.
- Ensure access and discovery of ETD content across uniform standards.

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## Introduction

Initially drafted by Aaron Collier (Digital Repository Services Manager - California State University, Office of the Chancellor), reviewed and edited by the ScholarWorks Liaison Group. This data model is intended to define the fields that all California State University institutional repositories are required to capture for thesis and dissertation collections as well as the the recommended fields that will aid in improving discoverability.

Ultimately, this data model is a best practices guide (or part of a best practices guide) for including theses and dissertations in an institutional repository.

This data model is adopted from the *Networked Digital Library of Theses and Dissertations (NDLTD) Metadata Standard*.

The format of this document is adopted from the *Orbis Cascade Alliance Dublin Core Best Practice Guidelines*.

## Required Fields

Must be included in all records.

- Author
- Submission Date
- Permanent URL (Handle, etc.)
- Keyword(s)
- Title
- Type
- University
- College
- Discipline
- Degree Level
- Degree Name
- Abstract

## Recommended Fields

Can be included in all records.

- Advisor
- Committee Member
- Spatial Coverage
- Temporal Coverage
- Copyright Date
- Date Issued
- Description
- Sponsorship
- Extent
- Language
- Rights
- Access Rights
- License
- Alternative Titles

## Explanation of Table Elements

<b>Label</b>	<b>The name assigned to the field. Used in web forms and displays.</b>
<b>DC Mapping</b>	The Dublin Core element used and a URI to the DC Metadata Element definition.
<b>LDP Predicate</b>	The Linked Data Platform predicate that will be used to define the field in PCDM.
<b>Definition</b>	Based on the DC Metadata Element set, how the field is used.
<b>Required</b>	Indicates if the field is: <ul style="list-style-type: none"><li>• Yes: This field must be included in the record for the work.</li><li>• No: This field is recommended but not mandatory</li></ul>
<b>Repeatable</b>	Yes: the field may be included multiple times in the record. No: the field can only appear a single time in the record.
<b>Input Type</b>	How is data captured for this field: <ul style="list-style-type: none"><li>• Controlled Vocabulary: indicates that a selection list is used when capturing. See “Schemes” for the source of the available selection values.</li><li>• Text: indicates that this is a free form text field.</li></ul>
<b>Schemes</b>	Identified the controlled vocabulary used for selection list fields, or the format convention used for data (i.e. structured dates).
<b>Searchable</b>	Indicates if the field is indexed for use in searching. Unless indicated, it is not included in the general search by default.
<b>Facetable</b>	Indicates if the field is indexed in order to provide a browse facet in the interface. Unless indicated, it is not included in the standard facets by default.

## Required Field Elements

Label	Author(s)
DC Mapping	dc.creator
LDP Predicate	dce:creator <a href="http://purl.org/dc/elements/1.1/creator">http://purl.org/dc/elements/1.1/creator</a>
Definition	The primary author(s) of the work.
Required	Yes
Repeatable	Yes
Input Type	Controlled Vocabulary
Schemes	CSU Linked Data Authorities (TBD)
Searchable	Yes
Facetable	Yes

Label	Date Submitted
DC Mapping	dc.date
LDP Predicate	dce:date <a href="http://purl.org/dc/elements/1.1/date">http://purl.org/dc/elements/1.1/date</a>
Definition	The date the work was submitted. The value should be captured directly from the work (i.e. the official date on the signature title page of a thesis).  Repository related dates are system generated.
Required	Yes
Repeatable	No
Input Type	Text
Schemes	



<b>Searchable</b>	Yes
<b>Facetable</b>	Yes

<b>Label</b>	<b>Handle</b>
<b>DC Mapping</b>	dc.identifier.uri
<b>LDP Predicate</b>	premis:ContentLocation <a href="http://id.loc.gov/ontologies/premis.html#c_ContentLocation">http://id.loc.gov/ontologies/premis.html#c_ContentLocation</a>
<b>Definition</b>	The permanent link (purl) to the resource.  Note: For DSpace migrated works, this will initially be the handle.
<b>Required</b>	Yes
<b>Repeatable</b>	No
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	No

<b>Label</b>	<b>Keyword(s)</b>
<b>DC Mapping</b>	dc.subject
<b>LDP Predicate</b>	dce:subject <a href="http://purl.org/dc/elements/1.1/subject">http://purl.org/dc/elements/1.1/subject</a>
<b>Definition</b>	Subject keywords used to help find the resource.
<b>Required</b>	Yes
<b>Repeatable</b>	Yes
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Searchable</b>	Yes

<b>Facetable</b>	Yes
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<b>Label</b>	<b>Title</b>
<b>DC Mapping</b>	dc.title
<b>LDP Predicate</b>	dce:title <a href="http://purl.org/dc/elements/1.1/title">http://purl.org/dc/elements/1.1/title</a>
<b>Definition</b>	The name given to the resource.
<b>Required</b>	Yes
<b>Repeatable</b>	Yes
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	No

<b>Label</b>	<b>Type</b>
<b>DC Mapping</b>	dc.type
<b>LDP Predicate</b>	dce:type <a href="http://purl.org/dc/elements/1.1/type">http://purl.org/dc/elements/1.1/type</a>
<b>Definition</b>	The type of the resource.
<b>Required</b>	Yes
<b>Repeatable</b>	No
<b>Input Type</b>	Controlled Vocabulary
<b>Schemes</b>	Thesis, Dissertation, Project
<b>Searchable</b>	Yes
<b>Facetable</b>	Yes

Label	College / School
DC Mapping	N/A
LDP Predicate	schema:CollegeOrUniversity <a href="http://schema.org/CollegeOrUniversity">http://schema.org/CollegeOrUniversity</a>
Definition	The college or school within the university that the discipline belongs to.
Required	Yes
Repeatable	No
Input Type	Controlled Vocabulary
Schemes	Local College Authorities (TBD)
Searchable	Yes
Facetable	Yes

Label	Department
DC Mapping	N/A
LDP Predicate	shema:department <a href="http://schema.org/department">http://schema.org/department</a>
Definition	The department within the college or school granting the degree.
Required	Yes
Repeatable	No
Input Type	Controlled Vocabulary
Schemes	Local Department Authorities (TBD)
Searchable	Yes
Facetable	Yes

Label	University
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<b>DC Mapping</b>	N/A
<b>LDP Predicate</b>	mre:dgg <a href="http://id.loc.gov/vocabulary/relators/dgg">http://id.loc.gov/vocabulary/relators/dgg</a>
<b>Definition</b>	Degree granting institution - the university granting the degree.
<b>Required</b>	Yes
<b>Repeatable</b>	No
<b>Input Type</b>	Controlled Vocabulary
<b>Schemes</b>	CSU Institutions (TBD)
<b>Searchable</b>	Yes
<b>Facetable</b>	Yes

<b>Label</b>	<b>Degree Level</b>
<b>DC Mapping</b>	N/A
<b>LDP Predicate</b>	dcterms:educationLevel <a href="http://purl.org/dc/terms/educationLevel">http://purl.org/dc/terms/educationLevel</a>
<b>Definition</b>	The degree level being achieved as a result of the resource.
<b>Required</b>	Yes
<b>Repeatable</b>	No
<b>Input Type</b>	Controlled Vocabulary
<b>Schemes</b>	Undergraduate, Masters, Doctoral
<b>Searchable</b>	Yes
<b>Facetable</b>	Yes

<b>Label</b>	<b>Degree Name</b>
<b>DC Mapping</b>	N/A
<b>LDP Predicate</b>	dibo:degree

	<a href="http://purl.org/ontology/bibo/degree">http://purl.org/ontology/bibo/degree</a>
<b>Definition</b>	The name of the degree being awarded as a result of the resource.
<b>Required</b>	Yes
<b>Repeatable</b>	No
<b>Input Type</b>	Controlled Vocabulary
<b>Schemes</b>	Bachelors of *, Masters of *, EDD, etc.
<b>Searchable</b>	Yes
<b>Facetable</b>	Yes

<b>Label</b>	<b>Abstract</b>
<b>DC Mapping</b>	dc.description.abstract
<b>LDP Predicate</b>	dcterms:abstract <a href="http://purl.org/dc/terms/abstract">http://purl.org/dc/terms/abstract</a>
<b>Definition</b>	The full text of the abstract.
<b>Required</b>	No
<b>Repeatable</b>	No
<b>Input Type</b>	Yes
<b>Schemes</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	No

## Recommended Fields

Label	Advisor
DC Mapping	dc.contributor.advisor
LDP Predicate	mre:ths <a href="http://id.loc.gov/vocabulary/relators/ths">http://id.loc.gov/vocabulary/relators/ths</a>
Definition	A person under whose supervision a degree candidate develops and presents a thesis, mémoire, or text of a dissertation
Required	No
Repeatable	Yes
Input Type	Controlled Vocabulary
Schemes	CSU Linked Data Authorities (TBD)
Searchable	Yes
Facetable	Yes

Label	Committee Member
DC Mapping	dc.contributor.committeemember
LDP Predicate	mre:ctb <a href="http://id.loc.gov/vocabulary/relators/ctb">http://id.loc.gov/vocabulary/relators/ctb</a>
Definition	Role the person played in the creation or approval of the work.
Required	No
Repeatable	Yes
Input Type	Controlled Vocabulary
Schemes	Advisor, Committee Member, Editor, ...
Searchable	Yes
Facetable	Yes

<b>Label</b>	<b>Geographical Area</b>
<b>DC Mapping</b>	dc.coverage.spatial
<b>LDP Predicate</b>	dcterms:spatial <a href="http://purl.org/dc/terms/spatial">http://purl.org/dc/terms/spatial</a>
<b>Definition</b>	The spatial region reflected in the resource.
<b>Required</b>	No
<b>Repeatable</b>	Yes
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	Yes

<b>Label</b>	<b>Time Period</b>
<b>DC Mapping</b>	dc.coverage.temporal
<b>LDP Predicate</b>	dcterms:temporal <a href="http://purl.org/dc/terms/temporal">http://purl.org/dc/terms/temporal</a>
<b>Definition</b>	The temporal extent reflected in the resource.
<b>Required</b>	No
<b>Repeatable</b>	Yes
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	Yes

Label	Date Available
DC Mapping	dc.date.available
LDP Predicate	dcterms:available <a href="http://purl.org/dc/terms/available">http://purl.org/dc/terms/available</a>
Definition	The date the work was made available.
Required	Yes
Repeatable	No
Input Type	Text
Schemes	
Searchable	Yes
Facetable	Yes

Label	Date Copyright
DC Mapping	dc.date.dateCopyrighted
LDP Predicate	dcterms:dateCopyrighted <a href="http://purl.org/dc/terms/dateCopyrighted">http://purl.org/dc/terms/dateCopyrighted</a>
Definition	The date of copyright.
Required	Yes
Repeatable	No
Input Type	Text
Schemes	
Searchable	Yes
Facetable	Yes

Label	Date Issued
DC Mapping	dc.date.issued



<b>LDP Predicate</b>	dcterms:issued <a href="http://purl.org/dc/terms/issued">http://purl.org/dc/terms/issued</a>
<b>Definition</b>	The date the work was made available.
<b>Required</b>	Yes
<b>Repeatable</b>	No
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	Yes

<b>Label</b>	<b>Description</b>
<b>DC Mapping</b>	dc.description
<b>LDP Predicate</b>	dce:description <a href="http://purl.org/dc/elements/1.1/description">http://purl.org/dc/elements/1.1/description</a>
<b>Definition</b>	A general description of the resource not including the full text of the abstract.
<b>Required</b>	No
<b>Repeatable</b>	No
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	No

<b>Label</b>	<b>Language</b>
<b>DC Mapping</b>	dc.language
<b>LDP Predicate</b>	dce:language <a href="http://purl.org/dc/elements/1.1/language">http://purl.org/dc/elements/1.1/language</a>
<b>Definition</b>	The ISO 639-3 language code describing the primary language of

	the work.
<b>Required</b>	No
<b>Repeatable</b>	No
<b>Input Type</b>	Controlled Vocabulary
<b>Schemes</b>	ISO 639-3
<b>Searchable</b>	Yes
<b>Facetable</b>	Yes

<b>Label</b>	<b>Sponsor</b>
<b>DC Mapping</b>	(was) dc.description.sponsorship
<b>LDP Predicate</b>	mrel:spn <a href="http://id.loc.gov/vocabulary/relators/spn">http://id.loc.gov/vocabulary/relators/spn</a>
<b>Definition</b>	An entity responsible for making the resource available when different from thesis.degree.grantor.
<b>Required</b>	No
<b>Repeatable</b>	No
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	No

<b>Label</b>	<b>Rights</b>
<b>DC Mapping</b>	dc.rights
<b>LDP Predicate</b>	dce:rights <a href="http://purl.org/dc/elements/1.1/rights">http://purl.org/dc/elements/1.1/rights</a>
<b>Definition</b>	The rights statement describing the resource. This can be a local rights statement, a Creative Commons statement, etc.

<b>Required</b>	No
<b>Repeatable</b>	No
<b>Input Type</b>	<b>TBD</b>
<b>Schemes</b>	Local statement, CC types, etc.
<b>Input Examples</b>	
<b>Output Examples</b>	
<b>Searchable</b>	No
<b>Facetable</b>	No

<b>Label</b>	<b>Access Rights</b>
<b>DC Mapping</b>	dc.rights.accessRights
<b>LDP Predicate</b>	dcterms:accessRights <a href="http://purl.org/dc/terms/accessRights">http://purl.org/dc/terms/accessRights</a>
<b>Definition</b>	
<b>Required</b>	No
<b>Repeatable</b>	No
<b>Input Type</b>	<b>TBD</b>
<b>Schemes</b>	Local statement, CC types, etc.
<b>Input Examples</b>	
<b>Output Examples</b>	
<b>Searchable</b>	No
<b>Facetable</b>	No

<b>Label</b>	<b>License</b>
<b>DC Mapping</b>	dc.rights.license

<b>LDP Predicate</b>	dcterms:license <a href="http://purl.org/dc/terms/license">http://purl.org/dc/terms/license</a>
<b>Definition</b>	The rights license statement. Or Link to.
<b>Required</b>	No
<b>Repeatable</b>	No
<b>Input Type</b>	<b>TBD</b>
<b>Schemes</b>	Local statement, CC types, etc.
<b>Input Examples</b>	
<b>Output Examples</b>	
<b>Searchable</b>	No
<b>Facetable</b>	No

<b>Label</b>	<b>Alternate Title(s)</b>
<b>DC Mapping</b>	dc.title.alternative
<b>LDP Predicate</b>	dcterms:alternative <a href="http://purl.org/dc/terms/alternative">http://purl.org/dc/terms/alternative</a>
<b>Definition</b>	Any alternative titles of the resource.
<b>Required</b>	No
<b>Repeatable</b>	Yes
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Input Examples</b>	
<b>Output Examples</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	No

<b>Label</b>	<b>Statement of Responsibility</b>
<b>DC Mapping</b>	N/A
<b>LDP Predicate</b>	mrel:rpy <a href="http://id.loc.gov/vocabulary/relators/rpy">http://id.loc.gov/vocabulary/relators/rpy</a>
<b>Definition</b>	
<b>Required</b>	No
<b>Repeatable</b>	Yes
<b>Input Type</b>	Text
<b>Schemes</b>	
<b>Input Examples</b>	
<b>Output Examples</b>	
<b>Searchable</b>	Yes
<b>Facetable</b>	No

# Controlled Vocabularies

## By Institution

- Colleges / Schools
- Departments

## Global

- CSU Institutions
- ETD Types
- Degree Levels
- Degree Names
- Contributor Roles
- ISO 639-3 Language Codes

## Resources

[Networked Digital Library of Theses and Dissertations \(NDLTD\)](#)

[Networked Digital Library of Theses and Dissertations \(NDLTD\) Metadata Standard](#)

[Orbis Cascade Alliance Dublin Core Best Practice Guidelines.](#)

[Premis Ontology](#)

[MARC Relators Ontology](#)