

Information and documentation — The
Dublin Core metadata element set — Part
2: DCMI Properties and classes

*Information et documentation — L'ensemble des éléments de
métadonnées Dublin Core*

Hakala, Juha E 1/13/15 9:45 AM

Comment [1]: French title to be updated

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Foreword

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ISO 15836-2 was prepared by Technical Committee ISO/TC 46, *Information and documentation*, Subcommittee SC 4, *Technical interoperability*.

A Category A liaison relationship was established between Dublin Core Metadata Initiative (DCMI) and ISO/TC46 SC 4 in 2012, enabling closer cooperation between DCMI and SC 4 in the development of DCMI-based ISO standards. The SC 4 plenary of May 2012 resolved to investigate with DCMI how the ISO palette of Dublin Core-based standards might be strengthened. The conclusion of discussion between DCMI and SC 4 resulted in a resolution to standardize a larger set of DCMI metadata terms as Part 2 of ISO 15836.

ISO 15836 consists of the following parts, under the general title *Information and documentation — The Dublin Core metadata element set*:

- *Part 1: Core elements*
- *Part 2: DCMI Properties and Classes*

Introduction

The fifteen-element “Dublin Core” described in ISO 15836-1 forms the basis of this International Standard, which contains properties in the /terms/ namespace as specified in *DCMI Metadata Terms* [DCMI-TERMS] document, maintained by the Dublin Core Metadata Initiative. The contents of this standard are outlined in chapter 1 below.

The terms in DCMI vocabularies are intended to be used in combination with terms from other, compatible vocabularies in the context of application profiles.

This set of properties and classes is expressed as RDF vocabulary and may be used in Linked Data. Each property and class has a name (URI).

DCMI Metadata Terms are governed by the DCMI Usage ~~Committee~~ (DCMI ~~UC~~), which evaluates the proposals for new DCMI terms. In 2006, the ~~committee~~ undertook an editorial review of terms in the Dublin Core Metadata Element Set (DCMES) in order to clarify intended semantics and bring the wording of their definitions and usage comments into line with the language of the *DCMI Abstract Model* [DCAM]. A revised DCMES version published in December 2006 is the basis of this standard. Extensions and clarifications to DCMES will be incorporated ~~into~~ future versions of this standard.

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Information and documentation — The Dublin Core metadata element set

1 Scope

This International Standard establishes a standard for cross-domain resource description, known as the Dublin Core Metadata Terms. It includes all properties in the /terms/ namespace and classes published as DCMI recommendation in 2012 [DCMI-TERMS]. The following properties from the aforementioned document are excluded:

1. core properties published in Part 1 of this standard,
2. vocabulary encoding schemes
3. syntax encoding schemes
4. DCMI Type vocabulary
5. Terms related to the DCMI Abstract Model

This International Standard does not limit what might be a resource.

This International Standard does not provide implementation guidelines. However, the core elements, properties and classes are typically used in the context of an application profile which constrains or specifies their use in accordance with local or community-based requirements and policies.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

The Dublin Core Metadata Terms. Available at <http://dublincore.org/documents/dcmi-terms/>

RDF Schema. Version 1.1. W3C Recommendation 25 February 2014. Available at <http://www.w3.org/TR/rdf-schema/>

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in DCAM and the following apply.

3.1.1

class

Resources may be divided into groups called classes. The members of a class are known as *instances* of the class. Classes are themselves resources. They are often identified by URIs and may be described using RDF properties. The [rdf:type](#) property may be used to state that a resource is an instance of a class.

[RDF Schema 1.1]

3.1.2
lifecycle of a resource

sequence of events that mark the development and use of a resource

EXAMPLES Conception of an invention, creation of a draft, revision of an article, publication of a book, acquisition by a library, transcription to magnetic disk, migration to optical storage, translation into English, and derivation of a new work (e.g. a movie).

3.1.3
property

relation between subject resources and object resources (a synonym of "element").

[RDF Schema 1.1]

3.1.4
resource

anything that might be identified

[DCMI Abstract Model]

3.1.5
subclass

an instance of property that is used to state that all the instances of one class are instances of another.

[RDF Schema 1.1]

3.1.6
subproperty

an instance of property that is used to state that all resources related by one property are also related by another.

[RDF Schema 1.1]

3.2 Naming elements

In the definitions for elements, the following conventions have been used and are explained in notes:

3.2.1
name

A token appended to the URI of a DCMI namespace to create the URI of the term. For instance, "title", "creator" and "bibliographicCitation". The name of a term is the first entry in its description.

3.2.2
label

descriptive name given an element for human recognition. For instance, "Title" or "Creator".

3.2.3
URI

The Uniform Resource Identifier used to identify a term.

3.2.4
range

a class of which a value described by the term is an instance.

In accordance with the *DCMI Namespace Policy* [DCMI-NAMESPACE] specified in ANSI/NISO Z39.85:2012, the "name" of an element is appended to a DCMI namespace URI to construct a Uniform Resource Identifier as a globally unique identifier for that element.

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3.3 DCMI Properties

3.3.1

abstract

a summary of the resource

Note to entry:

Label Abstract
URI <http://purl.org/dc/terms/abstract>
Refines <http://purl.org/dc/terms/description>

3.3.2

accessRights

information about who can access the resource or an indication of its security status

Note to entry:

Label Access Rights
URI <http://purl.org/dc/terms/accessRights>
Refines <http://purl.org/dc/terms/rights>
Range <http://purl.org/dc/terms/RightsStatement>
Comment Access Rights may include information regarding access or restrictions based on privacy, security, or other policies.

3.3.3

accrualMethod

the method by which items are added to a collection

Note to entry:

Label Accrual Method
URI <http://purl.org/dc/terms/accrualMethod>
Domain <http://purl.org/dc/dcmitype/Collection>
Range <http://purl.org/dc/terms/MethodOfAccrual>

3.3.4

accrualPeriodicity

the frequency with which items are added to a collection

Note to entry:

Label Accrual Periodicity
URI <http://purl.org/dc/terms/accrualPeriodicity>
Domain <http://purl.org/dc/dcmitype/Collection>
Range <http://purl.org/dc/terms/Frequency>

3.3.5

accrualPolicy

the policy governing the addition of items to a collection

Note to entry:

Label Accrual Policy
URI <http://purl.org/dc/terms/accrualPolicy>
Domain <http://purl.org/dc/dcmitype/Collection>
Range <http://purl.org/dc/terms/Policy>

3.3.6

alternative

an alternative name for the resource

Note to entry:

Label Alternative Title
URI <http://purl.org/dc/terms/alternative>
Refines <http://purl.org/dc/terms/title>
Comment The distinction between titles and alternative titles is application-specific.

3.3.7

audience

a class of entity for whom the resource is intended or useful

Note to entry:

Label Audience
URI <http://purl.org/dc/terms/audience>
Range <http://purl.org/dc/terms/AgentClass>

3.3.8

available

date (often a range) that the resource became or will become available

Note to entry:

Label Date Available
URI <http://purl.org/dc/terms/available>
Refines <http://purl.org/dc/terms/date>

3.3.9

bibliographicCitation

a bibliographic reference for the resource

Note to entry:

Label Bibliographic Citation
URI <http://purl.org/dc/terms/bibliographicCitation>
Refines <http://purl.org/dc/terms/identifier>
Domain <http://purl.org/dc/terms/BibliographicResource>
Comment Recommended practice is to include sufficient bibliographic detail to identify the resource as unambiguously as possible.

3.3.10

conformsTo

an established standard to which the described resource conforms

Note to entry:

Label ~~Conforms To~~
URI <http://purl.org/dc/terms/conformsTo>
Refines <http://purl.org/dc/terms/relation>
Range <http://purl.org/dc/terms/Standard>

3.3.11

contributor

an entity responsible for making contributions to the resource

Note to entry:

Label Contributor
 URI <http://purl.org/dc/terms/contributor>
 Range <http://purl.org/dc/terms/Agent>

3.3.12**coverage**

the spatial or temporal topic of the resource, the spatial applicability of the resource, or the jurisdiction under which the resource is relevant

Note to entry:

Label Coverage
 URI <http://purl.org/dc/terms/coverage>
 Range <http://purl.org/dc/terms/LocationPeriodOrJurisdiction>

Comment Spatial topic and spatial applicability may be a named place or a location specified by its geographic coordinates. Temporal topic may be a named period, date, or date range. A jurisdiction may be a named administrative entity or a geographic place to which the resource applies. Recommended best practice is to use a controlled vocabulary such as the Thesaurus of Geographic Names [TGN]. Where appropriate, named places or time periods can be used in preference to numeric identifiers such as sets of coordinates or date ranges.

3.3.13**created**

date of creation of the resource

Note to entry:

Label Date Created
 URI <http://purl.org/dc/terms/created>
 Refines <http://purl.org/dc/terms/date>

3.3.14**creator**

an entity primarily responsible for making the resource

Note to entry:

Label Creator
 URI <http://purl.org/dc/terms/creator>
 Refines <http://purl.org/dc/terms/contributor>
 Range <http://purl.org/dc/terms/Agent>
 Comment Examples of a Creator include a person, an organization, or a service.

3.3.15**date**

a point or period of time associated with an event in the lifecycle of the resource

Note to entry:

Label Date
 URI <http://purl.org/dc/terms/date>
 Comment Date may be used to express temporal information at any level of granularity. Recommended best practice is to express the date, time or period according to the ISO 8601:2004 standard.

3.3.16**dateAccepted**

date of acceptance of the resource

Note to entry:

Label Date Accepted
 URI <http://purl.org/dc/terms/dateAccepted>

Refines <http://purl.org/dc/terms/date>

3.3.17

dateCopyrighted

date of copyright

Note to entry:

Label Date Copyrighted
 URI <http://purl.org/dc/terms/dateCopyrighted>
 Refines <http://purl.org/dc/terms/date>

3.3.18

dateSubmitted

date of submission of the resource

Note to entry:

Label Date Submitted
 URI <http://purl.org/dc/terms/dateSubmitted>
 Refines <http://purl.org/dc/terms/date>
 Comment Examples of resources to which a Date Submitted may be relevant are a thesis (submitted to a university department) or an article (submitted to a journal).

3.3.19

description

an account of the resource

Note to entry:

Label Description
 URI <http://purl.org/dc/terms/description>
 Comment Description may include but is not limited to: an abstract, a table of contents, a graphical representation, or a free-text account of the resource.

3.3.20

educationLevel

a class of entity, defined in terms of progression through an educational or training context, for which the described resource is intended

Note to entry:

Label Audience Education Level
 URI <http://purl.org/dc/terms/educationLevel>
 Refines <http://purl.org/dc/terms/audience>
 Range <http://purl.org/dc/terms/AgentClass>

3.3.21

extent

the size or duration of the resource

Note to entry:

Label Extent
 URI <http://purl.org/dc/terms/extent>
 Refines <http://purl.org/dc/terms/format>
 Range <http://purl.org/dc/terms/SizeOrDuration>

3.3.22

format

the file format, physical medium, or dimensions of the resource

Note to entry:

Label Format
 URI <http://purl.org/dc/terms/format>
 Range <http://purl.org/dc/terms/MediaTypeOrExtent>
 Comment Examples of dimensions include size and duration. Recommended best practice is to use a controlled vocabulary such as the list of Internet Media Types [MIME].

3.3.23

hasFormat

a related resource that is substantially the same as the pre-existing described resource, but in another format

Note to entry:

Label Has Format
 URI <http://purl.org/dc/terms/hasFormat>
 Refines <http://purl.org/dc/terms/relation>

3.3.24

hasPart

a related resource that is included either physically or logically in the described resource

Note to entry:

Label Has Part
 URI <http://purl.org/dc/terms/hasPart>
 Refines <http://purl.org/dc/terms/relation>

3.3.25

hasVersion

a related resource that is a version, edition, or adaptation of the described resource

Note to entry:

Label Has Version
 URI <http://purl.org/dc/terms/hasVersion>
 Refines <http://purl.org/dc/terms/relation>

3.3.26

identifier

an unambiguous reference to the resource within a given context

Note to entry:

Label Identifier
 URI <http://purl.org/dc/terms/identifier>
 Comment Recommended best practice is to identify the resource by means of a string conforming to a formal identification system.

3.3.27

instructionalMethod

a process, used to engender knowledge, attitudes and skills, that the described resource is designed to support

Note to entry:

Label Instructional Method
 URI <http://purl.org/dc/terms/instructionalMethod>
 Range <http://purl.org/dc/terms/MethodOfInstruction>
 Comment Instructional Method will typically include ways of presenting instructional materials or conducting instructional activities, patterns of learner-to-learner and learner-to-instructor interactions, and mechanisms by which group and individual levels of learning are measured. Instructional methods include all aspects of the instruction and learning processes from planning and implementation through evaluation and feedback.

3.3.28**isFormatOf**

a related resource that is substantially the same as the described resource, but in another format

Note to entry:

Label Is Format Of
 URI <http://purl.org/dc/terms/isFormatOf>
 Refines <http://purl.org/dc/terms/relation>

3.3.29**isPartOf**

a related resource in which the described resource is physically or logically included

Note to entry:

Label Is Part Of
 URI <http://purl.org/dc/terms/isPartOf>
 Refines <http://purl.org/dc/terms/relation>

3.3.30**isReferencedBy**

a related resource that references, cites, or otherwise points to the described resource

Note to entry:

Label Is Referenced By
 URI <http://purl.org/dc/terms/isReferencedBy>
 Refines <http://purl.org/dc/terms/relation>

3.3.31**isReplacedBy**

a related resource that supplants, displaces, or supersedes the described resource

Note to entry:

Label Is Replaced By
 URI <http://purl.org/dc/terms/isReplacedBy>
 Refines <http://purl.org/dc/terms/relation>

3.3.32**isRequiredBy**

a related resource that requires the described resource to support its function, delivery, or coherence

Note to entry:

Label Is Required By
 URI <http://purl.org/dc/terms/isRequiredBy>
 Refines <http://purl.org/dc/terms/relation>

3.3.33**issue**

date of formal issuance (e.g., publication) of the resource

Note to entry:

Label Date Issued
 URI <http://purl.org/dc/terms/issued>
 Refines <http://purl.org/dc/terms/date>

3.3.34**isVersionOf**

a related resource of which the described resource is a version, edition, or adaptation

Note to entry:

Label Is Version Of
 URI <http://purl.org/dc/terms/isVersionOf>
 Refines <http://purl.org/dc/terms/relation>
 Comment Changes in version imply substantive changes in content rather than differences in format.

3.3.35**language**

a language of the resource

Note to entry:

Label Language
 URI <http://purl.org/dc/terms/language>
 Range <http://purl.org/dc/terms/LinguisticSystem>
 Comment Recommended best practice is to use a controlled vocabulary such as RFC 4646 [RFC4646].

3.3.36**license**

a legal document giving official permission to do something with the resource

Note to entry:

Label License
 URI <http://purl.org/dc/terms/license>
 Refines <http://purl.org/dc/terms/rights>
 Range <http://purl.org/dc/terms/LicenseDocument>

3.3.37**mediator**

an entity that mediates access to the resource and for whom the resource is intended or useful

Note to entry:

Label Mediator
 URI <http://purl.org/dc/terms/mediator>
 Refines <http://purl.org/dc/terms/audience>
 Range <http://purl.org/dc/terms/AgentClass>
 Comment In an educational context, a mediator might be a parent, teacher, teaching assistant, or care-giver.

3.3.38**medium**

the material or physical carrier of the resource

Note to entry:

Label Medium
 URI <http://purl.org/dc/terms/medium>
 Refines <http://purl.org/dc/terms/format>
 Domain <http://purl.org/dc/terms/PhysicalResource>
 Range <http://purl.org/dc/terms/PhysicalMedium>

3.3.39**modified**

date on which the resource was changed

Note to entry:

Label Date Modified
 URI <http://purl.org/dc/terms/modified>
 Refines <http://purl.org/dc/terms/date>

3.3.40**provenance**

a statement of any changes in ownership and custody of the resource since its creation that are significant for its authenticity, integrity, and interpretation

Note to entry:

Label Provenance
 URI <http://purl.org/dc/terms/provenance>
 Range <http://purl.org/dc/terms/ProvenanceStatement>
 Comment The statement may include a description of any changes successive custodians made to the resource.

3.3.41**publisher**

an entity responsible for making the resource available

Note to entry:

Label Publisher
 URI <http://purl.org/dc/terms/publisher>
 Range <http://purl.org/dc/terms/Agent>
 Comment Examples of a Publisher include a person, an organization, or a service.

3.3.42**references**

a related resource that is referenced, cited, or otherwise pointed to by the described resource

Note to entry:

Label References
 URI <http://purl.org/dc/terms/references>
 Refines <http://purl.org/dc/terms/relation>

3.3.43**relation**

a related resource

Note to entry:

Label Relation
 URI <http://purl.org/dc/terms/relation>
 Comment Recommended best practice is to identify the related resource by means of a string conforming to a formal identification system.

3.3.44**replaces**

a related resource that is supplanted, displaced, or superseded by the described resource

Note to entry:

Label Replaces
 URI <http://purl.org/dc/terms/replaces>
 Refines <http://purl.org/dc/terms/relation>

3.3.45**requires**

a related resource that is required by the described resource to support its function, delivery, or coherence

Note to entry:

Label Requires
 URI <http://purl.org/dc/terms/requires>
 Refines <http://purl.org/dc/terms/relation>

3.3.46

rights

information about rights held in and over the resource

Note to entry:

Label Rights
 URI <http://purl.org/dc/terms/rights>
 Range <http://purl.org/dc/terms/RightsStatement>

Comment Typically, rights information includes a statement about various property rights associated with the resource, including intellectual property rights.

3.3.47

rightsHolder

a person or organization owning or managing rights over the resource

Note to entry:

Label Rights Holder
 URI <http://purl.org/dc/terms/rightsHolder>
 Range <http://purl.org/dc/terms/Agent>

3.3.48

source

a related resource from which the described resource is derived

Note to entry:

Label Source
 URI <http://purl.org/dc/terms/source>
 Refines <http://purl.org/dc/terms/relation>

3.3.49

spatial

spatial characteristics of the resource

Note to entry:

Label Spatial Coverage
 URI <http://purl.org/dc/terms/spatial>
 Refines <http://purl.org/dc/terms/coverage>
 Range <http://purl.org/dc/terms/Location>

3.3.50

subject

typically, the subject will be represented using keywords, key phrases, or classification codes. Recommended best practice is to use a controlled vocabulary

Note to entry:

Label Subject
 URI <http://purl.org/dc/terms/subject>

Comment Typically, the subject will be represented using keywords, key phrases, or classification codes. Recommended best practice is to use a controlled vocabulary.

3.3.51

tableOfContents

a list of subunits of the resource

Note to entry:

Label Table Of Contents
URI <http://purl.org/dc/terms/tableOfContents>
Refines <http://purl.org/dc/terms/description>

3.3.52

temporal

temporal characteristics of the resource

Note to entry

Label Temporal Coverage
URI <http://purl.org/dc/terms/temporal>
Refines <http://purl.org/dc/terms/coverage>
Range <http://purl.org/dc/terms/PeriodOfTime>

3.3.53

title

a name given to the resource

Note to entry:

Label Title
URI <http://purl.org/dc/terms/title>

3.3.54

type

the nature or genre of the resource

Note to entry:

Label Type
URI <http://purl.org/dc/terms/type>
Comment Recommended best practice is to use a controlled vocabulary such as the DCMI Type Vocabulary [DCMITYPE].
To describe the file format, physical medium, or dimensions of the resource, use the Format element.

3.3.55

valid

date (often a range) of validity of a resource

Note to entry:

Label Date Valid
URI <http://purl.org/dc/terms/valid>
Refines <http://purl.org/dc/terms/date>

3.4 DCMI Classes

3.4.1

Agent

a resource that acts or has the power to act

Note to entry:

Label Agent

URI <http://purl.org/dc/terms/Agent>

3.4.2

AgentClass

a group of agents

Note to entry:

Label Agent Class

URI <http://purl.org/dc/terms/AgentClass>

Comment Examples of Agent Class include groups seen as classes, such as students, women, charities, lecturers.

3.4.3

BibliographicResource

a book, article, or other documentary resource

Note to entry:

Label Bibliographic Resource

URI <http://purl.org/dc/terms/BibliographicResource>

3.4.4

FileFormat

a digital resource format

Note to entry:

Label File Format

URI <http://purl.org/dc/terms/FileFormat>

Comment Examples include the formats defined by the list of Internet Media Types.

Narrower Than <http://purl.org/dc/terms/MediaType>

3.4.5

Frequency

a rate at which something recurs

Note to entry:

Label Frequency

URI <http://purl.org/dc/terms/Frequency>

3.4.6

Jurisdiction

the extent or range of judicial, law enforcement, or other authority

Note to entry:

Label Jurisdiction

URI <http://purl.org/dc/terms/Jurisdiction>

~~Subclass Of~~ <http://purl.org/dc/terms/LocationPeriodOrJurisdiction>

3.4.7

LicenseDocument

a legal document giving official permission to do something with a Resource

Note to entry:

Label License Document

URI <http://purl.org/dc/terms/LicenseDocument>

~~Subclass Of~~ <http://purl.org/dc/terms/RightsStatement>

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3.4.8

LinguisticSystem

a system of signs, symbols, sounds, gestures, or rules used in communication

Note to entry:

Label Linguistic System

URI <http://purl.org/dc/terms/LinguisticSystem>

Comment Examples include written, spoken, sign, and computer languages.

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3.4.9

Location

a spatial region or named place

Note to entry:

Label Location

URI <http://purl.org/dc/terms/Location>

Subclass Of <http://purl.org/dc/terms/LocationPeriodOrJurisdiction>

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3.4.10

LocationPeriodOrJurisdiction

a location, period of time, or jurisdiction

Note to entry:

Label Location, Period, or Jurisdiction

URI <http://purl.org/dc/terms/LocationPeriodOrJurisdiction>

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3.4.11

MediaType

a file format or physical medium

Note to entry:

Label Media Type

URI <http://purl.org/dc/terms/MediaType>

Subclass Of <http://purl.org/dc/terms/MediaTypeOrExtent>

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3.4.12

MediaTypeOrExtent

a media type or extent

Note to entry:

Label Media Type or Extent

URI <http://purl.org/dc/terms/MediaTypeOrExtent>

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3.4.13

MethodOfAccrual

a method by which resources are added to a collection

Note to entry:

Label Method of Accrual

URI <http://purl.org/dc/terms/MethodOfAccrual>

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3.4.14

MethodOfInstruction

a process that is used to engender knowledge, attitudes, and skills

Note to entry:

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Label Method of Instruction
URI <http://purl.org/dc/terms/MethodOfInstruction>

3.4.15
PeriodOfTime

an interval of time that is named or defined by its start and end dates

Note to entry:

Label Period of Time
URI <http://purl.org/dc/terms/PeriodOfTime>
Subclass Of <http://purl.org/dc/terms/LocationPeriodOrJurisdiction>

3.4.16
PhysicalMedium
a physical material or carrier

Note to entry:

Label Physical Medium
URI <http://purl.org/dc/terms/PhysicalMedium>
Comment Examples include paper, canvas, or DVD.
Subclass Of <http://purl.org/dc/terms/MediaType>

3.4.17
PhysicalResource
a material thing

Note to entry:

Label Physical Resource
URI <http://purl.org/dc/terms/PhysicalResource>

3.4.18
Policy
a plan or course of action by an authority, intended to influence and determine decisions, actions, and other matters

Note to entry:

Label Policy
URI <http://purl.org/dc/terms/Policy>

3.4.19
ProvenanceStatement
a statement of any changes in ownership and custody of a resource since its creation that are significant for its authenticity, integrity, and interpretation

Note to entry:

Label Provenance Statement
URI <http://purl.org/dc/terms/ProvenanceStatement>

3.4.20
RightsStatement
a statement about the intellectual property rights (IPR) held in or over a Resource, a legal document giving official permission to do something with a resource, or a statement about access rights

Note to entry:

Label Rights Statement
URI <http://purl.org/dc/terms/RightsStatement>

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3.4.21

SizeOrDuration

a dimension or extent, or a time taken to play or execute

Note to entry:

Label Size or Duration

URI <http://purl.org/dc/terms/SizeOrDuration>

Comment Examples include a number of pages, a specification of length, width, and breadth, or a period in hours, minutes, and seconds.

Subclass Of <http://purl.org/dc/terms/MediaTypeOrExtent>

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3.4.22

Standard

a basis for comparison; a reference point against which other things can be evaluated

Note to entry:

Label Standard

URI <http://purl.org/dc/terms/Standard>

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3.5 Abbreviations

DCMI Dublin Core Metadata Initiative

RDF Resource Description Framework

4 Description of metadata terms

In the descriptions of the properties and classes in chapters 3.3 and 3.4, each element has a descriptive label ("label") for human recognition and a unique token ("name") for use in machine processing.

In accordance with the *DCMI Namespace Policy* [DCMI-NAMESPACE] specified in ANSI/NISO Z39.85:2012, the "name" of an element is appended to a DCMI namespace URI to construct a Uniform Resource Identifier as a globally unique identifier for that element.

This standard covers properties and classes from the <http://purl.org/dc/terms/> namespace. These terms have been described in the same way as the core properties in Part 1.

Stuart Sutton 5/11/15 10:20 AM

Comment [3]: Should this section be deleted as redundant?

Stuart Sutton 5/11/15 2:56 PM

Deleted: The use of element names and URIs in the context of different implementation technologies is explained in *DCMI Encoding Guidelines* [DCMI-ENCODINGS].

Stuart Sutton 5/13/15 4:16 PM

Deleted: This standard covers the 40 properties of the /terms/ namespace and 22 classes from the Classes namespace. These properties have been described in the same way as the core elements in Part 1.

Annex A (informative)

Further information

Further information about the Dublin Core Metadata Terms is available at the URL <http://dublincore.org/>. This website contains information about workshops, reports, working group papers, projects, and new developments concerning the Dublin Core Metadata Initiative (DCMI).

Annex B (informative)

Dublin Core metadata as linked data

Generally, linked Dublin Core metadata may contain three kinds of links:

1. URIs of the described resources themselves (such as works and their manifestations)
2. URIs of the schema elements
3. URIs of the values (such as names, subject headings)

Resource URIs may be based on standard identifiers such as ISBN for books or ISTC for textual works. They can be used for providing persistent links to the resources or metadata about them. Identifiers are also an efficient means for linking for instance work and manifestation metadata records of the same resource, or for linking interrelated works or manifestations.

Schema element URIs may be used to link the data element (term) into its description, in order to foster machine (and human) readability of the metadata.

Value URIs may be used for creating links from element values (such as Albert Einstein as an author) to relevant Internet resources. These URIs may be either URLs (to e.g. Wikipedia entry about Einstein) or persistent identifiers such as URNs. Persistent identifiers can be linked to 1-n Web resources via a resolution process.

Dublin Core standard specifies only the links of the 2nd type. Linking to either resources themselves or term values is beyond the scope of this standard.

When schema elements are expressed as linked data, it is important to decide which identifiers and identifier namespaces are used. The default namespace is based on PURLs (Persistent URLs):

@prefix dcterms: <<http://purl.org/dc/terms/>>.

It is possible to use a persistent identifier –based namespace like

@prefix dctermsfi: <<http://urn.fi/urn:nbn:fi:dcterms:>>.

and resolve the URNs from this namespace to respective PURLs from the default namespace. Just providing 1:1 mapping would not bring any immediate added value, but since a single URN can be resolved to multiple URLs, the latter namespace could accommodate also (for instance) Finnish descriptions of the terms. If for some reason the proprietary PURL system were not supported in the future, the URN-based namespace could be kept functional via resolving the URNs to the URLs of Dublin Core term descriptions.

The community may investigate also other means with which to support linking to term descriptions in multiple languages.

Table B.1 – Core property URIs

Core <u>property</u> name	Identifier	PURL
contributor	dcterms:contributor	http://purl.org/dc/terms/contributor
coverage	dcterms:coverage	http://purl.org/dc/terms/coverage
creator	dcterms:creator	http://purl.org/dc/terms/creator

Stuart Sutton 5/11/15 12:14 PM

Comment [4]: We suggest deleting Tables B.1, B.2 and B3 as unnecessary.

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Deleted: element

date	dcterms:date	http://purl.org/dc/terms/date
description	dcterms:description	http://purl.org/dc/terms/description
format	dcterms:format	http://purl.org/dc/terms/format
identifier	dcterms:identifier	http://purl.org/dc/terms/identifier
language	dcterms:language	http://purl.org/dc/terms/language
publisher	dcterms:publisher	http://purl.org/dc/terms/publisher
relation	dcterms:relation	http://purl.org/dc/terms/relation
rights	dcterms:rights	http://purl.org/dc/terms/rights
source	dcterms:source	http://purl.org/dc/terms/source
subject	dcterms:subject	http://purl.org/dc/terms/subject
title	dcterms:title	http://purl.org/dc/terms/title
type	dcterms:type	http://purl.org/dc/terms/type

Table B.2 – Property URIs

Property name	Identifier	PURL
abstract	dcterms:abstract	http://purl.org/dc/terms/abstract
accessRights	dcterms:accessRights	http://purl.org/dc/terms/accessRights
accrualMethod	dcterms:accrualMethod	http://purl.org/dc/terms/accrualMethod
accrualPeriodicity	dcterms:accrualPeriodicity	http://purl.org/dc/terms/accrualPeriodicity
accrualPolicy	dcterms:accrualPolicy	http://purl.org/dc/terms/accrualPolicy
alternative	dcterms:alternative	http://purl.org/dc/terms/alternative
audience	dcterms:audience	http://purl.org/dc/terms/audience
available	dcterms:available	http://purl.org/dc/terms/available
bibliographicCitation	dcterms:bibliographicCitation	http://purl.org/dc/terms/bibliographicCitation
conformsTo	dcterms:conformsTo	http://purl.org/dc/terms/conformsTo
created	dcterms:created	http://purl.org/dc/terms/created
dateAccepted	dcterms:dateAccepted	http://purl.org/dc/terms/dateAccepted
dateCopyrighted	dcterms:dateCopyrighted	http://purl.org/dc/terms/dateCopyrighted
dateSubmitted	dcterms:dateSubmitted	http://purl.org/dc/terms/dateSubmitted
educationLevel	dcterms:educationLevel	http://purl.org/dc/terms/educationLevel
extent	dcterms:extent	http://purl.org/dc/terms/extent
hasFormat	dcterms:hasFormat	http://purl.org/dc/terms/hasFormat
hasPart	dcterms:hasPart	http://purl.org/dc/terms/hasPart
hasVersion	dcterms:hasVersion	http://purl.org/dc/terms/hasVersion
instructionalMethod	dcterms:instructionalMethod	http://purl.org/dc/terms/instructionalMethod
isFormatOf	dcterms:isFormatOf	http://purl.org/dc/terms/isFormatOf
isPartOf	dcterms:isPartOf	http://purl.org/dc/terms/isPartOf
isReferencedBy	dcterms:isReferencedBy	http://purl.org/dc/terms/isReferencedBy
isReplacedBy	dcterms:isReplacedBy	http://purl.org/dc/terms/isReplacedBy

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isRequiredBy	dcterms: isRequiredBy	http://purl.org/dc/terms/isRequiredBy
issued	dcterms: issued	http://purl.org/dc/terms/issued
isVersionOf	dcterms: isVersionOf	http://purl.org/dc/terms/isVersionOf
license	dcterms: license	http://purl.org/dc/terms/license
mediator	dcterms: mediator	http://purl.org/dc/terms/mediator
medium	dcterms: medium	http://purl.org/dc/terms/medium
modified	dcterms: modified	http://purl.org/dc/terms/modified
provenance	dcterms: provenance	http://purl.org/dc/terms/provenance
references	dcterms: references	http://purl.org/dc/terms/references
replaces	dcterms: replaces	http://purl.org/dc/terms/replaces
requires	dcterms: requires	http://purl.org/dc/terms/requires
rightsHolder	dcterms: rightsHolder	http://purl.org/dc/terms/rightsHolder
spatial	dcterms: spatial	http://purl.org/dc/terms/spatial
tableOfContents	dcterms: tableOfContents	http://purl.org/dc/terms/tableOfContents
temporal	dcterms: temporal	http://purl.org/dc/terms/temporal
valid	dcterms: valid	http://purl.org/dc/terms/valid

Table B.3 - Class URLs

Class name	Identifier	PURL
Agent	dcterms:Agent	http://purl.org/dc/terms/Agent
AgentClass	dcterms:AgentClass	http://purl.org/dc/terms/AgentClass
BibliographicResource	dcterms:BibliographicResource	http://purl.org/dc/terms/BibliographicResource
FileFormat	dcterms:FileFormat	http://purl.org/dc/terms/FileFormat
Frequency	dcterms:Frequency	http://purl.org/dc/terms/Frequency
Jurisdiction	dcterms:Jurisdiction	http://purl.org/dc/terms/Jurisdiction
LicenseDocument	dcterms:LicenseDocument	http://purl.org/dc/terms/LicenseDocument
LinguisticSystem	dcterms:LinguisticSystem	http://purl.org/dc/terms/LinguisticSystem
Location	dcterms:Location	http://purl.org/dc/terms/Location
LocationPeriodOrJurisdiction	dcterms:LocationPeriodOrJurisdiction	http://purl.org/dc/terms/LocationPeriodOrJurisdiction
MediaType	dcterms:MediaType	http://purl.org/dc/terms/MediaType
MediaTypeOrExtent	dcterms:MediaTypeOrExtent	http://purl.org/dc/terms/MediaTypeOrExtent
MethodOfAccrual	dcterms:MethodOfAccrual	http://purl.org/dc/terms/MethodOfAccrual
MethodOfInstruction	dcterms:MethodOfInstruction	http://purl.org/dc/terms/MethodOfInstruction
PeriodOfTime	dcterms:PeriodOfTime	http://purl.org/dc/terms/PeriodOfTime
PhysicalMedium	dcterms:PhysicalMedium	http://purl.org/dc/terms/PhysicalMedium
PhysicalResource	dcterms:PhysicalResource	http://purl.org/dc/terms/PhysicalResource
Policy	dcterms:Policy	http://purl.org/dc/terms/Policy
ProvenanceStatement	dcterms:ProvenanceStatement	http://purl.org/dc/terms/ProvenanceStatement
RightsStatement	dcterms:RightsStatement	http://purl.org/dc/terms/RightsStatement
SizeOrDuration	dcterms:SizeOrDuration	http://purl.org/dc/terms/SizeOrDuration
Standard	dcterms:Standard	http://purl.org/dc/terms/Standard

Stuart Sutton 5/11/15 3:07 PM
Comment [5]: IF Table 3 is retained, term in the "Class name" column need their initial letter capitalized.

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