

# DCMI - Dublin Core Metadata Initiative

[https://www.dublincore.org/resources/userguide/publishing\\_metadata/](https://www.dublincore.org/resources/userguide/publishing_metadata/)

## Publishing Metadata

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**How to use DCMI Metadata as linked data**

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## About the linked data examples

To present these examples in a concise form we use the [Turtle syntax for RDF](#). The examples therefore appear in code lines such as:

```
@prefix ex: <http://www.example.com/>.
ex:aResource ex:aProperty "An RDF Literal" .
```

or

```
@prefix ex: <http://www.example.com/>.
ex:aResource ex:aProperty ex:anotherResource .
ex:anotherProperty "An RDF Literal"@en .
```

Within the examples we use different namespaces. The following prefixes are used to specify the namespaces we use for our examples:

For the **Dublin Core namespaces** we use:

```
@prefix dc: <http://purl.org/dc/elements/1.1/> (DCMI legacy namespace used for
the 15 core properties)
@prefix dcterms: <http://purl.org/dc/terms/> (DCMI terms namespace of the DCMI
terms - properties, classes and datatypes)
@prefix dctype: <http://purl.org/dc/dcmitype/> (DCMI type namespace of the DCMI
classes of types)
```

**Further namespaces** used are:

```
@prefix ex: http://www.example.org/ (an exemplary namespace)
@prefix xsd: http://www.w3.org/2001/XMLSchema# (namespace of the XML Schema
language)
@prefix rdf: http://www.w3.org/1999/02/22-rdf-syntax-ns# (namespace of the rdf
vocabulary)
@prefix rdfs: http://www.w3schools.com/RDF/rdf-schema.xml (namespace of the rdf
schema vocabulary)
@prefix foaf: http://xmlns.com/foaf/0.1/ (namespace of the "Friend of a Friend"
vocabulary)
@prefix gnd: http://d-nb.info/gnd/ (namespace of the authority files of the
German National Library)
@prefix mime: http://purl.org/NET/mediatypes/ (namespace for MIME media types
vocabulary)
@prefix skos: http://www.w3.org/2004/02/skos/core# (namespace of the SKOS
vocabulary)
```

## Properties of the terms namespace

The main difference between the legacy namespace and the terms namespace is the definition of ranges for most terms of the last and the definition of a domain for some of them. The definition of a domain governs the entities for which a property may be used. The definition of a range governs the usage of literal and non-literal values in context with a property.

### Properties of the terms namespace used only with literal values

#### [dcterms:alternative](#)

The range for `dcterms:alternative` is `rdfs:Literal`. So you can use `dcterms:alternative` only with literal values

```
ex:myBook dcterms:title "Passion for Pulses" ;
          dcterms:alternative "A Feast of Beans, Peas and Lentils from Around
the World" .
ex:myStuff dcterms:title "American Meteorological Association Newsletter" ;
           dcterms:alternative "AMA Newsletter" .
```

```
ex:myDocument dcterms:title "EU Stability Programm of Belgium"@eng ;
              dcterms:alternative "Council Opinion on the Updated
                                   Stability Programm of Belgium 2009 -
                                   2010 "@eng ,
                                   "Stellungnahme des Rates zum
                                   aktualisierten Stabilitätsprogramm
                                   Belgiens für 2009 - 2012"@ger .
```

## [dcterms:available](#)

The range defined for `dcterms:available` is the class of `rdfs:Literal`. Values used with this property therefore have to be literal values.

```
ex:myMusic dcterms:available "2006-07"^^dcterms:W3CDTF .
```

## [dcterms:bibliographicCitation](#)

The range defined for `dcterms:bibliographicCitation` is the class of `rdfs:Literal`. Values used with `dcterms:bibliographicCitation` have to be instances of this class. Therefore this property can only be used with literal values.

Moreover a domain of the class `dcterms:BibliographicResource` is declared for `dcterms:bibliographicCitation`. Thus `dcterms:bibliographicCitation` may only be used describing bibliographic resources.

```
ex:myArticle dcterms:title "Prototyping Digital Library Technologies in zetoc" ;
              dcterms:bibliographicCitation "Lecture Notes in Computer Science
              2458, 309-323 (2002)" .
ex:myArticle dcterms:title "Prototyping Digital Library Technologies in zetoc" ;
              dcterms:bibliographicCitation "&ctx_ver=Z39.88-
              2004&rft_val_fmt=info:ofi/fmt:kev:mtx:journal
              &rft.jtitle=Lecture Notes in Computer
              Science&rft.volume=2458&rft.space=309"^^info:ofi/fmt:kev:mtx:ctx .
```

## [dcterms:created](#)

The range defined for `dcterms:created` is the class of `rdfs:Literal`. Values used with this property therefore have to be literal values.

```
ex:myPicture dcterms:created "2003-04-10"^^dcterms:W3CDTF .
ex:mySculpture dcterms:created "-500"^^xsd:gYear
ex:myScript dcterms:created "1752"^^dcterms:W3CDTF ,
                        "probably after 1752" .
ex:mySculpture dcterms:created "approx. 500 B.C."
ex:myData dcterms:title "Population estimates in Scandinavia" ;
          dcterms:created "2004-07-19"^^dcterms:W3CDTF ;
          dcterms:source ex:oldData .
```

```
ex:oldData dcterms:title "World health report 2002 statistical annex" ;
           dcterms:created "2002-09-28"^^dcterms:W3CDTF .
```

## [dcterms:date](#)

The range defined for `dcterms:date` is the class of `rdfs:Literal`. Values used with this property therefore have to be literal values.

```
ex:myManuscript dcterms:date "1633"^^dcterms:W3CDTF .
```

### [dcterms:dateAccepted](#)

The range defined for `dcterms:dateAccepted` is the class of `rdfs:Literal`. Values used with this property therefore have to be literal values.

```
ex:myThesis dcterms:dateAccepted "2010-05-07"^^dcterms:W3CDTF .
```

### [dcterms:dateCopyrighted](#)

The range defined for `dcterms:dateCopyrighted` is the class of `rdfs:Literal`. Values used with this property therefore have to be literal values.

```
ex:myFoto dcterms:dateCopyrightes "2009-04-03"^^dcterms:W3CDTF .
```

### [dcterms:dateSubmitted](#)

The range defined for `dcterms:dateSubmitted` is the class of `rdfs:Literal`. Values used with this property therefore have to be literal values.

```
ex:myArticle dcterms:dateSubmitted "2011-07-09"^^dcterms:W3CDTF .
```

### [dcterms:identifier](#)

The range defined for `dcterms:identifier` is the class of `rdfs:Literal`. Values used with `dcterms:identifier` have to be instances of this class. Therefore this property can only be used with literal values.

```
ex:myWebsite dcterms:title "What's a URI and why does it matter?" ;
  dcterms:identifier
  "http://www.ltg.ed.ac.uk/~ht/WhatAreURIs/"^^dcterms:URI .
ex:myFile dcterms:title "Small and medium sized companies in Kathmandu" ;
  dcterms:identifier "03KTM147"^^ex:mylocalID .
ex:myVideo dcterms:title "Medieval helpdesk with English subtitles" ;
  dcterms:created "2007"^^dcterms:W3CDTF ;
  dcterms:identifier "http://www.youtube.com/watch?v=pQHXSjgQvQ&feature=player\_embedded"^^dcterms:URI .
```

```
ex:myMetadata dcterms:created "2010"^^dcterms:W3CDTF ;
  dcterms:identifier "013234098"^^ex:myDatabaseIdentifier .
```

### [dcterms:issued](#)

The range defined for `dcterms:issued` is the class of `rdfs:Literal`. Values used with this property therefore have to be literal values.

```
ex:myBook dcterms:issued "2009"^^dcterms:W3CDTF .
```

## [dcterms:modified](#)

The range defined for `dcterms:modified` is the class of `rdfs:Literal`. Values used with this property therefore have to be literal values.

```
ex:mySoftware dcterms:modified "2009-12-22"^^dcterms:W3CDTF ,
    "2010-01-08"^^dcterms:W3CDTF ,
    "2010-02-15"^^dcterms:W3CDTF .
```

## [dcterms:title](#)

The range for `dcterms:title` is `rdfs:Literal`. So you can use `dcterms:title` only with literal values.

```
ex:myFurniture dcterms:title "Alvar Aalto Chair No. 66" .
ex:mySong dcterms:title "Autumn Leaves",
    "The Dead Leaves" .
ex:myPainting dcterms:title "La Joconde"@fre ,
    "Mona Lisa"@eng ,
    "La Gioconda"@ita .
ex:myData dcterms:title "Data from a survey about the usage of metadata" .
```

## [dcterms:valid](#)

The range defined for `dcterms:valid` is the class of `rdfs:Literal`. Values used with this property therefore have to be literal values.

```
ex:myDraft dcterms:valid "2007-05-06/2007-07-15" .
```

# Properties of the terms namespace used only with non-literal values

## [dcterms:accrualMethod](#)

The range of `dcterms:accrualMethod` is the class `dcterms:MethodOfAccrual`. All values used with `dcterms:accrualMethod` have to be instances of this class. Therefore the property may only be used with non-literal values.

The domain of `dcterms:accrualMethod` is the class `dcmitype:Collection`. So `dcterms:accrualMethod` may be used only for the description of collections.

```
ex:myCollection dcterms:title "Pottery in Scandinavia in the second half of 19th
century" ;
    dcterms:accrualMethod [ rdfs:label "purchase" ] .
```

## [dcterms:accrualPeriodicity](#)

The range of `dcterms:accrualPeriodicity` is the class `dcterms:Frequency`. All values used with `dcterms:accrualPeriodicity` have to be instances of this class. Therefore the property may only be used with non-literal values.

The domain of `dcterms:accrualPeriodicity` is the class `dcmitype:Collection`. So `dcterms:accrualPeriodicity` may be used only for the description of collections.

```
ex:myCollection dcterms:title "Pottery in Scandinavia in the second half of 19th century" ;
                dcterms:accrualPeriodicity [ rdfs:label "irregular" ] .
```

### [dcterms:accrualPolicy](#)

The range of `dcterms:accrualPolicy` is the class `dcterms:Policy`. All values used with `dcterms:accrualPolicy` have to be instances of this class. Therefore the property may only be used with non-literal values.

The domain of `dcterms:accrualPolicy` is the class `dcmitype:Collection`. So `dcterms:accrualPolicy` may be used only for the description of collections.

```
ex:myCollection dcterms:title "Pottery in Scandinavia in the second half of 19th century" ;
                dcterms:accrualPolicy [ rdfs:label "Objects of this collection have to be Scandinavian ceramics from 1940s to 1999s." ] .
```

### [dcterms:accessRights](#)

The range of `dcterms:accessRights` is the class `dcterms:RightsStatement`. Values used with this property have to be instances of the class `RightsStatement` and therefore non-literal values.

```
ex:myDatabase dcterms:title "Data from my last evaluation" ;
              dcterms:accessRights [ rdfs:label "My colleagues only" ] .
```

### [dcterms:audience](#)

`dcterms:audience` has a range of the class `dcterms:AgentClass`. Values used with this property therefore have to be non-literal values.

```
ex:myTutorial dcterms:title "Advanced physic" ;
              dcterms:audience [ rdfs:label "elementary school pupils" ] .
```

### [dcterms:conformsTo](#)

`dcterms:conformsTo` has a range of the class `dcterms:Standard`. Values used with this property therefore have to be non-literal values.

```
ex:myData dcterms:conformsTo <http://www.w3.org/2001/XMLSchema> .
```

### [dcterms:contributor](#)

The range for `dcterms:contributor` is `dcterms:Agent`. All values used with this property have to be instances of the class `[dcterms:Agent]`. **dcterms:contributor must not be used with literal values.**

You may use `dcterms:contributor` only with non-literal values.

```
ex:myMusic dcterms:contributor gnd:135066719 .
```

```
gnd:135066719 foaf:familyName "Elliott" ;  
  
    foaf:givenName "Missy" ;  
  
    foaf:nick "Missy E" .
```

## [dcterms:coverage](#)

dcterms:coverage has a range of the class dcterms:LocationPeriodJurisdiction. All values used with dcterms:coverage have to be instances of this class. Therefore the property must only be used with non-literal values.

```
ex:myYearbook dcterms:title "Demographic Development in Australia" ;  
    dcterms:coverage tgn:7000490 .
```

```
tgn:7000490 ex:lat "25 00 00 S degrees minutes" ;  
  
    ex:long "135 00 00 E degrees minutes" ;  
  
    ex:name "Australia" .
```

## [dcterms:creator](#)

The range for dcterms:creator is dcterms:Agent. All values used with this property have to be instances of the class [dcterms:Agent] . **dcterms:creator must not be used with literal values.** You may use it only with non-literal values.

```
ex:myBook dcterms:creator _shakespearesName .
```

```
_:shakespearesName foaf:familyName "Shakespeare" ;  
  
    foaf:givenName "William" .
```

## [dcterms:educationLevel](#)

dcterms:educationLevel has a range of the class dcterms:AgentClass. Values used with this property therefore have to be non-literal values.

```
ex:myTutorial dcterms:title "Advanced physic" ;  
    dcterms:educationLevel [ rdfs:label "3rd - 4th grade" ] ;
```

## [dcterms:extent](#)

The range of dcterms:extent is the class dcterms:SizeOrDuration. All values used with dcterms:extent have to be instances of this class. Therefore the property may only be used with non-literal values.

```
ex:myVideo dcterms:extent [ rdf:value "21 minutes" ] .  
ex:myVideo dcterms:extent [ rdf:value "PT21M"^^xsd:duration ] .
```

## [dcterms:format](#)



The range of `dcterms:format` is the class `dcterms:MediaTypeOrExtent`. All values used with `dcterms:format` have to be instances of this class. Therefore the property may only be used with non-literal values.

```
ex:myPicture dcterms:format mime:jpeg .
```

### [dcterms:hasFormat](#)

This property is intended to be used with non-literal values.

```
ex:myBook dcterms:creator gnd:118529501 ;
          dcterms:title "Sachsenspiegel, Auff's neue vbersehen mit Summarijs vnd
Additionen" ;
          dcterms:date "1563"^^dcterms:W3CDTF ;
          dcterms:hasFormat ex:myScan .
```

### [dcterms:hasPart](#)

This property is intended to be used with non-literal values.

```
<http://www.rijksmuseum.nl/meesterwerken> dcterms:title "The Masterpieces
special" ;
                                           dc:contributor "Rijksmuseum
Amsterdam" ;
                                           dcterms:hasPart ex:myPainting .
```

### [dcterms:hasVersion](#)

This property is intended to be used with non-literal values.

```
ex:mySong1 dcterms:identifier "mySong1"
           dcterms:title "Candle in the wind" ;
           dcterms:issued "1973"^^dcterms:W3CDTF;
           dcterms:description "Portayal of the life of Marilyn Monroe" ;
           dcterms:hasVersion ex:mySong2
```

### [dcterms:instructionalMethod](#)

`dcterms:instructionalMethod` has a range of the class `dcterms:MethodOfInstruction`. Values used with this property therefore have to be non-literal values.

```
ex:myTutorial dcterms:title "Advanced physic" ;
              dcterms:InstructionalMethod [ rdfs:label "experimental learning" ]
.
```

### [dcterms:isFormatOf](#)

This property is intended to be used with non-literal values.

```
ex:myScan dcterms:issued "2009"^^dcterms:W3CDTF ;
          dcterms:isFormatOf [ rdfs:label "Eike von Reggow: Sachsenspiegel,
Auff's neue vbersehen mit
                               Summarijs vnd Additionen ...; Leipzig 1561/1563" ]
.
```

### [dcterms:isPartOf](#)

This property is intended to be used with non-literal values.

```
ex:myPainting dcterms:title "Still Life" ;
              dc:creator "Mignon, Abraham" ;
              dcterms:isPartOf <http://www.rijksmuseum.nl/meesterwerken> .
```

### **dcterms:isReferencedBy**

This property is intended to be used with non-literal values.

```
ex:myData dc:creator "Black, Carl" ;
          dc:contributor "White, Stuart" ;
          dcterms:title "Black and White" ;
          dcterms:date "1988"^^dcterms:W3CDTF ;
          dcterms:isReferencedBy ex:myArticle .
```

### **dcterms:isReplacedBy**

This property is intended to be used with non-literal values.

```
ex:myBestPractice dcterms:title "How to catch a fish" ;
                  dc:creator "Fishermans Union, Pensicola" ;
                  dcterms:issued "2009"^^dcterms:W3CDTF ;
                  dcterms:isReplacedBy ex:myNewBestPractice .
```

### **dcterms:isRequiredBy**

This property is intended to be used with non-literal values.

```
ex:mySoftware dcterms:title "Dia Diagram Editor" ;
              dcterms:isRequiredBy ex:myDiagram .
```

```
ex:myDiagram dcterms:title "Libraries Metadata Model" ;

              dcterms:requires ex:mySoftware .
```

### **dcterms:isVersionOf**

This property is intended to be used with non-literal values.

```
ex:mySong2 dcterms:identifier "mySong2"
           dcterms:title "Candle in the wind" ;
           dcterms:alternative "Goodbye England's Rose" ;
           dcterms:issued "1997"^^dcterms:W3CDTF ;
           dcterms:description "Tribut to the dead princess of Wales" ;
           dcterms:isVersionOf ex:mySong1 .
```

### **dcterms:language**

The range of dcterms:language is the class dcterms:LinguisticSystem. All values used with dcterms:language have to be instances of this class. Therefore the property may only be used with non-literal values.

```
ex:myBook dcterms:title "A great deliverance" ;
```

```
dcterms:language [ rdf:value "eng"^^dcterms:RFC4646 ] .
```

or

```
ex:myBook dcterms:title "A great deliverance" ;
          dcterms:language <http://lexvo.org/id/iso639-3/eng>
ex:myVideo dcterms:title "Charlie Wilson's War" ;
          dcterms:language <http://lexvo.org/id/iso639-3/eng> ,
                          <http://lexvo.org/id/iso639-3/hun> ,
                          <http://lexvo.org/id/iso639-3/tur> .
ex:myVideo1 dcterms:title "Medieval helpdesk with English subtitles" ;
            dcterms:identifier "http://www.youtube.com/watch?v=pQHXSjgQvQ&feature=player\_embedded"^^dcterms:URI .
            dcterms:isVersionOf ex:myVideo2 ;
            dcterms:language <http://lexvo.org/id/iso639-3/nor> ,
                          <http://lexvo.org/id/iso639-3/eng> .
```

```
ex:myVideo2 dcterms:title "Book help (better version)" ;

            dcterms:identifier
"http://www.youtube.com/watch?v=UOorZQLsmuA&feature=related"^^dcterms:URI .

            dcterms:hasVersion ex:myVideo1 ;

            dcterms:language <http://lexvo.org/id/iso639-3/nor> .
```

```
ex:mySong dcterms:title "The Power of Orange Knickers"
          dcterms:language _:eng
```

```
_:eng rdfs:Label "English"
```

```
ex:639-1 "en"
```

```
ex:639-2 "eng"
```

## [dcterms:license](#)

The range of `dcterms:license` is the class `dcterms:LicenseDocument`. Values used with this property have to be instances of the class `LicenseDocument` and therefore non-literal values.

```
ex:mySoftware dcterms:title "GeoNetwork - Geographic Metadata Catalog" ;
             dcterms:license <http://www.gnu.org/licenses/gpl.html> .
```

```
<http://www.gnu.org/licenses/gpl.html> rdfs:label "GNU General Public License" .
```

## [dcterms:mediator](#)

`dcterms:mediator` has a range of the class `dcterms:AgentClass`. Values used with this property therefore have to be non-literal values.

```
ex:myTutorial dcterms:title "Advanced physic" ;
             dcterms:mediator [ rdfs:label "schoolteacher" ] ;
```

## dcterms:medium

The range of dcterms:medium is the class dcterms:PhysicalMedium. All values used with dcterms:medium have to be instances of this class. Therefore the property may only be used with non-literal values.

The domain of dcterms:medium is the class dcterms:PhysicalResource. So dcterms:medium may be used only for the description of physical resources.

```
ex:myPainting dcterms:medium _:oilOnWood
```

```
_:oilOnWood rdfs:label "oil on wood"
```

```
    rdfs:label "oil"
```

```
    rdfs:label "wood"
```

## dcterms:provenance

The range of the provenance property is the class dcterms:ProvenanceStatement. So you may use this property only with non-literal values.

```
ex:myResource dcterms:title "Luxor Obelisk"
               dcterms:provenance [ rdfs:label "Originally located at the entrance
to the Luxor temple the
                                   obelisk came to Paris in 1836 as a gift by
Muhammad Ali Pasha." ] .
ex:myBook dcterms:title "The flea circus" ;
          dcterms:provenance _:thisProvenance
```

```
_:thisProvenance ex:ownedBy "1829 - 1833; Jim Button" ,
                            "1833 - 1915; My Library" ,
                            "since 1915; Flea Academy" .
```

## dcterms:publisher

The range for dcterms:publisher is dcterms:Agent. All values used with this property have to be instances of the class [dcterms:Agent] . **dcterms:publisher must not be used with literal values.** You may use it only with non-literal values.

```
ex:myBook dcterms:publisher gnd: 2125990-2 ,
                           _:kniznajaPalata
```

```
gnd:2125990-2 foaf:name "Rossijskaja Gosudarstvennaja Biblioteka ;
                        foaf:homepage "http://www.rsl.ru/" .
```



## [dcterms:rightsHolder](#)

The range for dcterms:rightsHolder is dcterms:Agent. All values used with this property have to be instances of the class [dcterms:Agent] . **dcterms:rightsHolder must not be used with literal values.** You may use it only with non-literal values.

```
ex:myFilm dcterms:rightsHolder gnd:39454-3 .
```

```
gnd:39454-3 foaf:name "Bundesarchiv Koblenz" ;
```

```
foaf:homepage "http://www.bundesarchiv.de/index.html.de" .
```

## [dcterms:source](#)

This property is intended to be used with non-literal values.

```
ex:myData dcterms:title "Australian Birth Rates 2000 - 2010" ;
          dcterms:source [ rdfs:label "Yearbooks of Demographic Development in
Australia" ] .
```

## [dcterms:spatial](#)

dcterms:spatial has a range of the class dcterms:Location. All values used with dcterms:spatial have to be instances of this class. Therefore the property must only be used with non-literal values.

```
ex:myData dcterms:title "Analysis of rocks collected in Perth" ;
          dcterms:spatial _:thisPlace .
```

```
_:thisPlace ex:east "115.85717" ;
```

```
ex:north "-31.95301" ;
```

```
ex:name "Perth, W. A." .
```

```
ex:myData dcterms:title "The growth of trees in the subtropical highlands" ;
          dcterms:spatial _:Cwb .
```

```
_:Cwb rdfs:label "Cwb"
```

```
dc:source "Köppen-Geiger Climate Classification" ;
```

```
ex:mainClimates "warm temperate" ;
```

```
ex:precipitation "winter dry" ;
```

```
ex:temperature "warmest month averaging below 22°C" .
```

## [dcterms:subject](#)

This property is intended to be used with non-literal values.

ex:myBook dcterms:title "Inviato alla Biennale : Venezia, 1949 - 2009" ;  
dcterms:subject <<http://www.labiennale.org/en/Home.html>> .

<<http://www.labiennale.org/en/Home.html>> dcterms:title "La Biennale di Venezia"

ex:myVideo dcterms:title "My Winter Wonderland" ;  
dcterms:subject <<http://id.loc.gov/authorities/sh88004323#concept>> .

<<http://id.loc.gov/authorities/sh88004323#concept>> rdfs:label "Cross-country skiing--Skating" .

ex:myData dcterms:title: "Transports in Kazakhstan 2000 - 2010"  
dcterms:subject ex:W03\_7 ,  
dcterms:subject ex:G06\_3

ex:W03\_7 rdf:type skos:Concept ;  
  
prefLabel "W03.7" ;  
  
skos:altLabel "Freight Transport" ;  
  
skos:broader ex:W03 ;  
  
skos:narrower ex:W03\_72 ,  
ex:W03\_75 .

ex:G06\_3 rdf:type skos:Concept ;  
  
prefLabel "G06\_3" ;  
  
skos:altLabel "Kazakhstan" ;  
  
skos:broader ex:G06 ;  
  
skos:narrower ex:G06\_31 ,  
ex:G06\_35 .

ex:myLaw dcterms:title "KONSTYTUCJA RZECZYPOSPOLITEJ POLSKIEJ"  
dcterms:subject \_:polska

\_:polska rdfs:label "Rzeczpospolita Polska"@pol ,  
  
"Republic of Poland"@eng .

ex:mySong dcterms:title "Candle in the wind" ;  
dcterms:subject gnd:118583549 .

```
gnd:118583549 foaf:_familyName "Monroe" ;
              foaf:_givenName "Marilyn" ;
              <http://rdvocab.info/ElementsGr2/dateOfBirth>
"1926"^^dcterms:W3CDTF ;
              <http://rdvocab.info/ElementsGr2/dateOfDeath>
"1962"^^dcterms:W3CDTF .
```

## dcterms:temporal

dcterms:temporal has a range of the class dcterms:PeriodOfTime. All values used with dcterms:temporal have to be instances of this class. Therefore the property must only be used with non-literal values.

```
ex:myData dcterms:title "Transports in Kazakhstan 2000 - 2010"
          dcterms:temporal _:thisPeriod .
```

```
_:thisPeriod ex:start "2000"^^dcterms:W3CDTF ;
```

```
          ex:end "2010"^^dcterms:W3CDTF .
```

```
ex:myData dcterms:title "Analysis of rocks collected in Perth" ;
          dcterms:temporal _:thisPeriod .
```

```
_:thisPeriod ex:start "Cambrian period" ;
```

```
          ex:scheme "Geological timescale" ;
```

```
          ex:name "Phanerozoic Eon" .
```

## dcterms:type

The range of dcterms:type is rdfs:Class. Values used with dcterms:type may only be non-literal values.

```
ex:myPainting dcterms:type dctype:StillImage .
```

```
dctype:StillImage rdfs:label "Still Image" .
```

```
ex:myStuff dcterms:type dctype:InteractiveResource ,
           dctype:Text .
```

```
dctype:InteractiveResource rdfs:label "Interactive Resource" .
```

```
dctype:Text rdfs:label "Text" .
```

```
ex:myStuff dcterms:type _:PCGameType ,
           dctype:Software .
```



```
_:PCGameType rdfs:label "PC Game" .
```

```
dctype:Software rdfs:label "Software" .
```

```
ex:myEvent dcterms:type _:conference .
```

```
_:conference rdfs:label "Conference"@eng ,
```

```
"Konferenz"@ger ,
```

```
"съезд"@rus .
```

## Properties of the terms namespace, that may be used with literal and non-literal values

### [dcterms:abstract](#)

There is no range defined for dcterms:abstract. Therefore you can use it with literal values

```
ex:myBook dcterms:title "The Foundations of Programm Verification" ;
          dcterms:abstract "This revised edition provides a precise mathematical
background to
concentrates on those
such as the
method of Hoare,
is to present these
and to explain their
of correctness and
in some detail and
many helpful examples are included." .
ex:myBook dcterms:title "Delvig and Kjuchelbeker"
          dcterms:abstract "The book is a collection of works of two poets -
contemporaries
Kjuchelbeker. It
his diary, the
attachment presents
detailed biographic
poets"@eng ,
several program verification techniques. It
verification methods that have now become classic,
inductive assertions method of Floyd, the axiomatic
and Scott's fixpoint induction. The aim of the book
different verification methods in a simple setting
mathematical background. In particular the problems
completeness of the different methods are discussed
and friends of Pushkin - A. A. Delvig and V. K.
includes poems and prosa by Kjuchelbeker, parts of
poem Jurij and Xenia and reviews by Delvig. The
some retrospections to Delvig and Kjuchelbeker. A
description tells us something about the life of the
```

современников "Сборник впервые объединяет произведения двух поэтов -  
Кюхельбекера. Наряду со и друзей Пушкина - А. А. Дельвига и В. К.  
фрагменты из его стихотворениями в книгу включены проза Кюхельбекера,  
Дельвига. В Приложении дневника, поэма Юрий и Ксения, а также рецензии  
Подробные печатаются воспоминания о Дельвиге и Кюхельбекерею.  
поэтов."@rus биографические очерки рассказывают о жизненном пути

and with non-literal values.

```
ex:myBook dcterms:title "Computational Surface and Roundness Metrology" ;  
          dcterms:abstract  
<http://www.springerlink.com/content/M7V5444582756209/primary> .
```

### [dcterms:description](#)

There is no range defined for dcterms:description. Therefore you can use it with literal values

```
ex:myObjects dcterms:title "Bugs from New Zealand" ;  
             dcterms:description "A box of ten bugs collected in New Zealand  
between 1845 and 1846" .
```

and with non-literal values.

```
ex:myMusic dcterms:title "Thriller" ;  
           dcterms:description <http://en.wikipedia.org/wiki/Thriller\_\(album\)> .
```

### [dcterms:tableOfContents](#)

There is no range defined for dcterms:tableOfContents. Therefore you can use it with literal values.

```
ex:myFile dcterms:title "Remains of Claire Klawitter" ;  
          dcterms:tableOfContents "Diary 1822 - 1824 -- 20 pictures of Indian  
farmers  
-- 5 letters to Rudi Ratlos -- 1 map of North India" .
```

and with non-literal values

```
ex:myJournal dcterms:title "Cäcilia ; eine Zeitschrift für die musikalische  
Welt" ;  
            dcterms:tableOfContents  
<http://www.digizeitschriften.de/content/PPN472885294\_0020/800/0/00000003.jpg> ,  
<http://www.digizeitschriften.de/content/PPN472885294\_0020/800/0/00000004.jpg> ,  
<http://www.digizeitschriften.de/content/PPN472885294\_0020/800/0/00000005.jpg> .
```

## Legacy namespace

For properties of the legacy namespace neither domain nor range is defined. So all properties of the legacy namespace can be used either with literal values or with non-literal values.

# Properties of the legacy namespace

## dc:contributor

You may use dc:contributor with literal values

```
ex:myMusic dc:contributor "Snoop Dogg" .
```

and with non-literal values.

```
ex:myMusic dc:contributor gnd:135066719 .
```

```
gnd:135066719 foaf:familyName "Elliott" ;  
               foaf:givenName "Missy" ;  
               foaf:nick "Missy E" .
```

## dc:coverage

You may use dc:coverage with literal values

```
ex:myData dc:title "Transports in Kazakhstan 2000 - 2010"  
          dc:coverage "2000 - 2010" ,  
                    "Kazakhstan" .
```

```
ex:myData dc:title "Analysis of rocks collected in Perth" ;  
          dc:coverage "Perth, W. A." .
```

and with non-literal values.

```
ex:myYearbook dc:title "Demographic Development in Australia" ;  
              dc:coverage tgn:7000490 .
```

```
tgn:7000490 ex:lat "25 00 00 S degrees minutes" ;  
            ex:long "135 00 00 E degrees minutes" ;  
            ex:name "Australia" .
```

## dc:creator

You may use dc:creator with literal values

```
ex:myBook dc:creator "Shakespeare, William" .
```

and with non-literal values.

```
ex:myBook dc:creator _shakespearesName .
```

```
_:shakespearesName foaf:familyName "Shakespeare" ;
                    foaf:givenName "William" .
```

## dc:date

You may use dc:date with literal values

```
ex:myManuscript dc:date "1633"^^dcterms:W3CDTF .
```

and with non-literal values.

```
ex:myDraft dc:date _:thisValidity .
```

```
_:thisValidity ex:start "2007-05-06"^^dcterms:W3CDTF ;
```

```
                ex:end "2007-07-15"^^dcterms:W3CDTF .
```

```
ex:mySculpture dc:date _:mySculptureDate .
```

```
_:mySculptureDate ex:year "500" ;
                  ex:qualifer "approx." ;
                  ex:epoch "B.C." .
```

## dc:description

You may use dc:description with literal values,

```
ex:myHerbs dc:title "Coriandrum sativum" ;
           dc:description "Coriandrum sativum or Coriander is a herb used in
Europe, North Africa
                        and Asia. It belongs to the familiy of Apiaceae and ist growing to 20
inch." .
```

and with non-literal values.

```
ex:myHerbs dc:title "Coriandrum sativum" ;
           dc:description <http://en.wikipedia.org/wiki/Coriander> .
```

```
<http://en.wikipedia.org/wiki/Coriander> dc:title "Coriander" ;
```

```
                dc:contributor "Wikipedia" .
```

## dc:format

You may use dc:format with literal values

```
ex:myPicture dc:format "40 x 512 pixels" .
```

and with non-literal values.

ex:myPicture dc:format mime:jpeg .

## dc:identifier

You may use dc:identifier with literal values

```
ex:myVideo dc:title "My first article about metadata"
           dc:identifier "My Favorite Journal 3 (2), 14-25 (2010)" .
```

and with non-literal values

```
ex:myVideo dc:title "My first article about metadata"
           dc:identifier _:myCitation .
```

```
_:myCitation ex:jtitle "My Favorite Journal"
```

```
           ex:volume "3"
```

```
           ex:issue "2"
```

```
           ex:spage "14"
```

```
           ex:date "2010" .
```

## dc:language

You may use dc:language with literal values

```
ex:mySong dc:title "The Power of Orange Knickers"
           dc:language "English"
ex:mySong dc:title "The Power of Orange Knickers"
           dc:language "eng"^^dcterms:RFC4646 .
```

and with non-literal values.

```
ex:myBook dc:title "A great deliverance" ;
           dc:language <http://lexvo.org/id/iso639-3/eng> .
```

## dc:publisher

You may use dc:publisher with literal values

```
ex:myData dc:creator "Hubble Telescope";
           dc:publisher "University of Nowhere" ,
                       "All Your Data Inc. .
```

and with non-literal values.

```
ex:myBook dc:publisher gnd: 2125990-2 ,
           _:kniznajaPalata
```

```
gnd:2125990-2 foaf:name "Rossijskaja Gosudarstvennaja Biblioteka ;
```

foaf:homepage "<http://www.rsl.ru/>" .

\_:kniznajaPalata foaf:name "Kniznaja Palata"

## dc:relation

You may use dc:relation with literal values

```
ex:myArticle dc:title "Introduction to Fitting Substitute Geometry" ;
              dc:relation "Muralikrishnan, Balasubramanian and Raja, Jayaraman:
Computational Surface and Roundness
                          Metrology III, 2009" .
```

and with non-literal values

```
ex:myBook dc:title "Computational Surface and Roundness Metrology" ;
           dc:creator "Muralikrishnan, Balasubramanian" ,
                    "Raja, Jayaraman" ;

           dc:relation <http://d-nb.info/1008973041> .
```

## dc:rights

You may use dc:rights with literal values

```
ex:myVideo dc:rights "May be used only by members of the myProject" .
ex:myBook dc:title "News from the South" ;
           dc:rights "http://creativecommons.org/licenses/by-
nd/3.0/legalcode"^^dcterms:URI .
           dc:rights "Attribution-NoDerivs 3.0 Unported" .
```

and with non-literal values.

```
ex:myPicture dc:title "You and me" ;
              dc:rights <http://creativecommons.org/licenses/by/3.0/legalcode> .
```

## dc:subject

There is no range defined for dc:subject. Therefore you can use it with literal values

```
ex:myManual dc:title "How to get an aircraft"
             dc:subject "aircraft" ;
                    "leasing" .
```

and with non-literal values.

```
ex:myVideo dc:title "My Winter Wonderland" ;
            dc:subject <http://id.loc.gov/authorities/sh88004323#concept> .
```

```
<http://id.loc.gov/authorities/sh88004323#concept> rdfs:label "Cross-country
skiing--Skating" .
```

## dc:title

It is recommended to use for titles literal values. But there are important **uses with non-literal values** as well. To do so you have to use dc:title, because dc:title may be used with literal values

```
ex:myPainting dc:title "La Joconde"@fre ,  
               "Mona Lisa"@eng ,  
               "La Gioconda"@ita .
```

and with non-literal values.

```
ex:myBook dc:title _:thisTitle .
```

```
_:thisTitle ex:greekAlphabet "Οιδίπους Τύραννος" ;
```

```
           ex:latinAlphabet "Oidipous Tyrannos" .
```

```
ex:myScript1 dcterms:title "Nibelungenlied Handschrift B" ;  
              dc:title _:nibelungenlied .
```

```
ex:myScript2 dcterms:title "Nibelungenlied Handschrift C" ;
```

```
              dc:title _:nibelungenlied
```

```
_:nibelungenlied skos:prefLabel "Der Nibelunge Not" ;
```

```
                skos:altLabel "Nibelungenlied" ,
```

```
                "Nibelungenklage" ,
```

```
                "Nibelungensage" ;
```

```
                dcterms:description "The Nibelungenlied exists of 39 aventiuren  
created between 1180 and 1210" .
```

## dc:type

You may use dc:type with literal values

```
ex:myEvent dc:type "Conference" .
```

and with non-literal values.

```
ex:myEvent dcterms:type _:conference .
```

```
_:conference rdfs:label "Conference"@eng ,
```

```
                "Konferenz"@ger ,
```

"съезд"@rus .

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Deployed with Hugo v. 0.55.6 on Wed, 02 Oct 2019 12:52:08 UTC