

DCAT-AP-SE version 2.0.0

Clarifications, translations and explanations of DCAT-AP for Sweden.

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<https://lankadedata.se/spec/DCAT-AP-SE>

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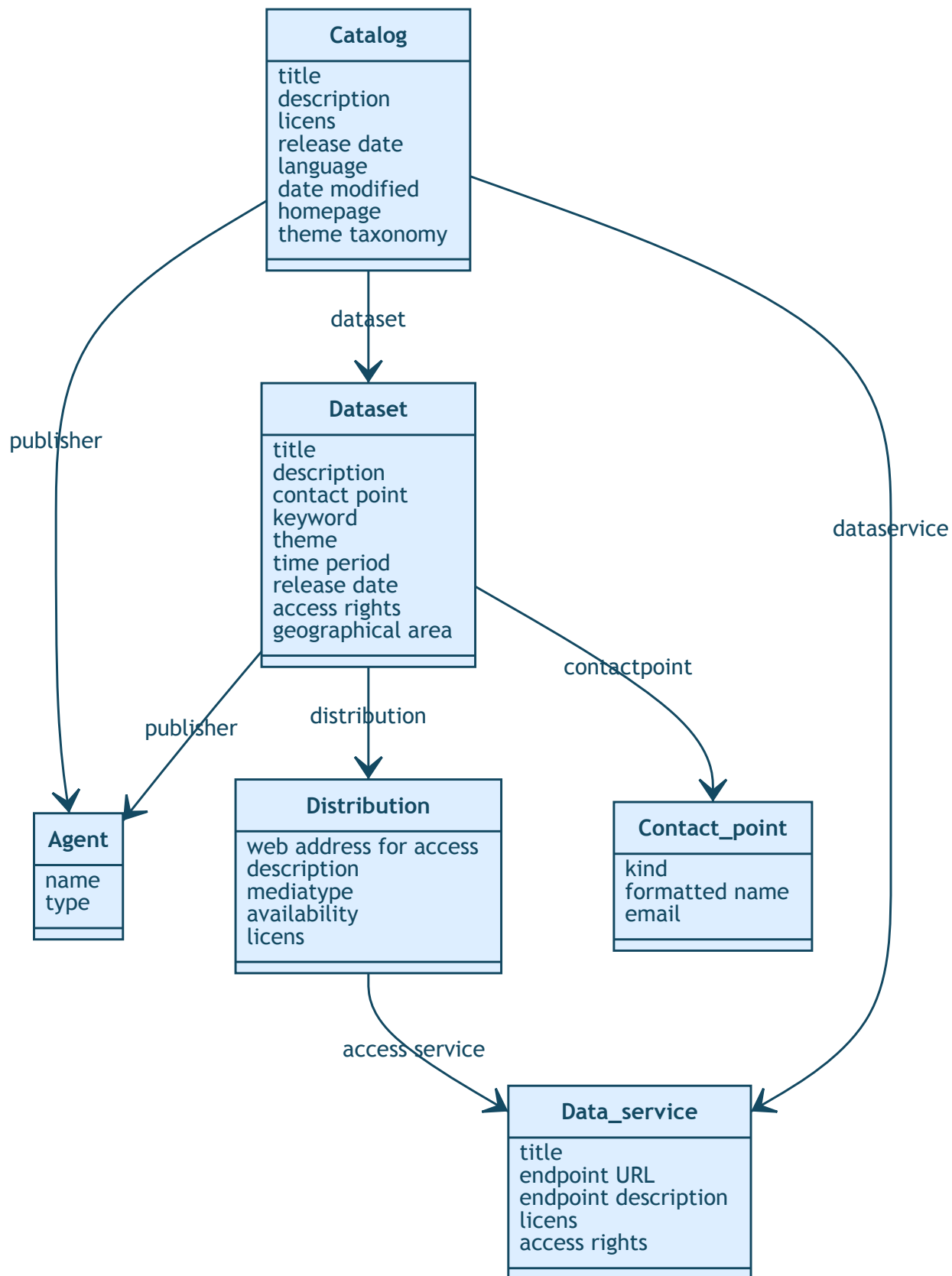
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1 Introduction

DCAT-AP-SE is a metadata specification introduced for the purpose of describing datasets. More specifically, DCAT-AP-SE is a Swedish adaption (a profile) of the European metadata specification DCAT-AP. DCAT-AP in turn, is an adaption (profile) of the W3C recommendation DCAT.

The diagram below shows only the primary classes, their relationships and their mandatory and recommended properties. Note that for readability, classes and properties are introduced using friendly labels in both headings and the diagram below. The actual metadata expressions, i.e. the full URIs of classes and properties, are listed in the details under each respective heading.



2 Namespaces

<i>dcterms</i>	http://purl.org/dc/terms/
<i>foaf</i>	http://xmlns.com/foaf/0.1/
<i>dcat</i>	http://www.w3.org/ns/dcat#
<i>prov</i>	http://www.w3.org/ns/prov#
<i>adms</i>	http://www.w3.org/ns/adms#
<i>owl</i>	http://www.w3.org/2002/07/owl#
<i>schema</i>	http://schema.org/
<i>dcatap</i>	http://data.europa.eu/r5r/
<i>spdx</i>	http://spdx.org/rdf/terms#
<i>rdf</i>	http://www.w3.org/1999/02/22-rdf-syntax-ns#
<i>vcard</i>	http://www.w3.org/2006/vcard/ns#
<i>locn</i>	http://www.w3.org/ns/locn#
<i>odrs</i>	http://schema.theodi.org/odrs#

3 Primary classes

3.1 Catalog

Class: <http://www.w3.org/ns/dcat#Catalog>

	Property	Requirement level
<u>Title</u>	dcterms:title	mandatory
<u>Description</u>	dcterms:description	mandatory
<u>Publisher</u>	dcterms:publisher	mandatory
<u>Release date</u>	dcterms:issued	recommended

	Property	Requirement level
<u>Language</u>	dcterms:language	recommended
<u>Date modified</u>	dcterms:modified	recommended
<u>Homepage</u>	foaf:homepage	recommended
<u>Named geographical area</u>	dcterms:spatial	recommended
<u>License</u>	dcterms:license	mandatory
<u>Rights statement</u>	dcterms:rights	optional
<u>Has part</u>	dcterms:hasPart	optional
<u>Is part of</u>	dcterms:isPartOf	optional
<u>Catalog</u>	dcat:catalog	optional
<u>Theme taxonomy</u>	dcat:themeTaxonomy	recommended
<u>Dataset</u>	dcat:dataset	mandatory
<u>Service</u>	dcat:service	optional

3.1.1 Catalog - Title

<i>Label</i>	Title
<i>Description</i>	This property contains a name given to the Catalogue. This property can be repeated for parallel language versions of the name.
<i>Property</i>	http://purl.org/dc/terms/title
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory

<i>Cardinality</i>	1..n
<i>Recommendation</i>	1. Bra namn ska vara korta och beskrivande , 2. Översätt fritextfält till andra språk

3.1.2 Catalog - Description

<i>Label</i>	Description
<i>Description</i>	This property contains a free-text account of the Catalogue. This property can be repeated for parallel language versions of the description.
<i>Property</i>	http://purl.org/dc/terms/description
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n
<i>Recommendation</i>	2. Översätt fritextfält till andra språk

3.1.3 Catalog - Publisher

<i>Label</i>	Publisher
<i>Description</i>	This property refers to an entity (organisation) responsible for making the Catalogue available.
<i>Property</i>	http://purl.org/dc/terms/publisher
<i>Range</i>	Agent
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1

3.1.4 Catalog - Release date

<i>Label</i>	Release date
<i>Description</i>	This property contains the date of formal issuance (e.g., publication) of the Catalogue.
<i>Property</i>	http://purl.org/dc/terms/issued
<i>Range</i>	Datatype (xsd:date, xsd:dateTime, xsd:gYear)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

3.1.5 Catalog - Language

<i>Label</i>	Language
<i>Description</i>	This property refers to a language used in the textual metadata describing titles, descriptions, etc. of the Datasets in the Catalogue. This property can be repeated if the metadata is provided in multiple languages.
<i>Property</i>	http://purl.org/dc/terms/language
<i>Range</i>	Albanian Arabic Armenian Azerbaijani Basque Belarusian Bengali Bosnian Breton Bulgarian Catalan Chinese Corsican Croatian Czech Danish Dhivehi Dutch English Esperanto Estonian Faroese Finnish Flemish French Frisian Galician Georgian German Greek Greenlandic Hebrew Hindi Hungarian Icelandic Indonesian Interlingua Irish Italian Japanese Kashubian Kazakh Khmer Korean Kurdish Kyrgyz Lao Latin Latvian Lithuanian Luxembourgish Macedonian Malagasy Malay Maltese Minangkabau Moldavian Mongolian

[Montenegrin](#) | [Nepali](#) | [Northern Sami](#) | [Norwegian](#) | [Occitan](#) | [Ossetian](#) | [Persian](#) | [Polish](#) | [Portuguese](#) | [Romani](#) | [Romanian](#) | [Romansh](#) | [Russian](#) | [Scottish Gaelic](#) | [Serbian](#) | [Serbo-Croatian](#) | [Sinhala](#) | [Slovak](#) | [Slovenian](#) | [Spanish](#) | [Swahili](#) | [Swedish](#) | [Tajiks](#) | [Tamil](#) | [Thai](#) | [Tibetan](#) | [Turkish](#) | [Turkmen](#) | [Ukrainian](#) | [Urdu](#) | [Uzbek](#) | [Valencian](#) | [Vietnamese](#) | [Walloon](#) | [Welsh](#) | [Yiddish](#) | [Zulu](#)

<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..n
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3.1.6 Catalog - Date modified

<i>Label</i>	Date modified
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<i>Description</i>	This property contains the most recent date on which the Catalogue was changed or modified.
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<i>Property</i>	http://purl.org/dc/terms/modified
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<i>Range</i>	Datatype (xsd:date, xsd:dateTime, xsd:gYear)
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<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..1
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3.1.7 Catalog - Homepage

<i>Label</i>	Homepage
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<i>Description</i>	This property refers to a web page that acts as the main page for the Catalogue.
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<i>Property</i>	http://xmlns.com/foaf/0.1/homepage
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<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

3.1.8 Catalog - Named geographical area

<i>Label</i>	Named geographical area
<i>Description</i>	The geographical area covered by the catalogue. It is recommended to use URIs from Geonames in the form: http://sws.geonames.org/6695072
<i>Property</i>	http://purl.org/dc/terms/spatial
<i>Range</i>	Geographical area
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.1.9 Catalog - License

<i>Label</i>	License
<i>Description</i>	In Sweden we require the license on the catalog to be CC0-1.0 (Public domain), i.e. to use the URI http://creativecommons.org/publicdomain/zero/1.0/
<i>Property</i>	http://purl.org/dc/terms/license
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Mandatory

<i>Cardinality</i>	1
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3.1.10 Catalog - Rights statement

<i>Label</i>	Rights statement
<i>Description</i>	This property refers to a statement that specifies rights.
<i>Property</i>	http://purl.org/dc/terms/rights
<i>Range</i>	Rights statement
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.1.11 Catalog - Has part

<i>Label</i>	Has part
<i>Description</i>	This property refers to a related Catalogue that is part of the described Catalogue.
<i>Property</i>	http://purl.org/dc/terms/hasPart
<i>Range</i>	Catalog
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.1.12 Catalog - Is part of

<i>Label</i>	Is part of
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<i>Description</i>	This property refers to a related Catalogue in which the described Catalogue is physically or logically included.
<i>Property</i>	http://purl.org/dc/terms/isPartOf
<i>Range</i>	Catalog
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.1.13 Catalog - Catalog

<i>Label</i>	Catalog
<i>Description</i>	This property refers to a catalog whose contents are of interest in the context of this catalog
<i>Property</i>	http://www.w3.org/ns/dcat#catalog
<i>Range</i>	Catalog
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.1.14 Catalog - Theme taxonomy

<i>Label</i>	Theme taxonomy
<i>Description</i>	This property refers to a knowledge organization system used to classify the Catalogue's Datasets.
<i>Property</i>	http://www.w3.org/ns/dcat#themeTaxonomy
<i>Range</i>	Data Theme Vocabulary

<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..n
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3.1.15 Catalog - Dataset

<i>Label</i>	Dataset
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<i>Description</i>	This property links the Catalogue with a Dataset that is part of the Catalogue.
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<i>Property</i>	http://www.w3.org/ns/dcat#dataset
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<i>Range</i>	Dataset
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<i>Requirement level</i>	Mandatory
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<i>Cardinality</i>	1..n
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3.1.16 Catalog - Service

<i>Label</i>	Service
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<i>Description</i>	This property refers to a site or end-point that is listed in the catalog.
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<i>Property</i>	http://www.w3.org/ns/dcat#service
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<i>Range</i>	Data service
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<i>Requirement level</i>	Optional
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<i>Cardinality</i>	0..n
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<i>Recommendation</i>	6. Hur en datatjänst används
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3.2 Dataset

Class: <http://www.w3.org/ns/dcat#Dataset>

	Property	Requirement level
<u>Title</u>	dcterms:title	mandatory
<u>Description</u>	dcterms:description	mandatory
<u>Publisher</u>	dcterms:publisher	mandatory
<u>Creator</u>	dcterms:creator	optional
<u>Attribution</u>	prov:qualifiedAttribution	optional
<u>Contact point</u>	dcat:contactPoint	recommended
<u>Keyword</u>	dcat:keyword	recommended
<u>Category</u>	dcat:theme	recommended
<u>Identifier</u>	dcterms:identifier	optional
<u>Other identifier</u>	adms:identifier	optional
<u>Release date</u>	dcterms:issued	recommended
<u>Date modified</u>	dcterms:modified	optional
<u>Language</u>	dcterms:language	optional
<u>Landing page</u>	dcat:landingPage	optional
<u>Conforms to</u>	dcterms:conformsTo	optional
<u>Named geographical area</u>	dcterms:spatial	recommended
<u>Geographical area</u>	dcterms:spatial	recommended
<u>Time period</u>	dcterms:temporal	recommended

	Property	Requirement level
<u>Temporal resolution</u>	dcat:temporalResolution	optional
<u>Spatial resolution</u>	dcat:spatialResolutionInMeters	optional
<u>Frequency of update</u>	dcterms:accrualPeriodicity	optional
<u>Version</u>	owl:versionInfo	optional
<u>Version notes</u>	adms:versionNotes	optional
<u>Source</u>	dcterms:source	optional
<u>Access rights</u>	dcterms:accessRights	recommended
<u>Fee</u>	schema:offers	optional
<u>Has version</u>	dcat:hasVersion	optional
<u>Is version of</u>	dcat:isVersionOf	optional
<u>Is referenced by</u>	dcterms:isReferencedBy	optional
<u>Related resource</u>	dcterms:relation	optional
<u>Qualified related resource</u>	dcat:qualifiedRelation	optional
<u>Documentation</u>	foaf:page	optional
<u>Provenance</u>	dcterms:provenance	optional
<u>Distribution</u>	dcat:distribution	optional

3.2.1 Dataset - Title

<i>Label</i>	<i>Title</i>
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<i>Description</i>	This property contains a name given to the Dataset. This property can be repeated for parallel language versions of the name.
<i>Property</i>	http://purl.org/dc/terms/title
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n
<i>Recommendation</i>	1. Bra namn ska vara korta och beskrivande , 2. Översätt fritextfält till andra språk

3.2.2 Dataset - Description

<i>Label</i>	Description
<i>Description</i>	This property contains a free-text description of the dataset. This property can be repeated for parallel language versions of the description.
<i>Property</i>	http://purl.org/dc/terms/description
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n
<i>Recommendation</i>	2. Översätt fritextfält till andra språk

3.2.3 Dataset - Publisher

<i>Label</i>	Publisher
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<i>Description</i>	This property refers to an entity (organisation) responsible for making the Dataset available.
<i>Property</i>	http://purl.org/dc/terms/publisher
<i>Range</i>	Agent
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1
<i>Recommendation</i>	9. Utgivare producent och andra aktörsroller

3.2.4 Dataset - Creator

<i>Label</i>	Creator
<i>Description</i>	This property refers to the entity (organisation) primarily responsible for producing the dataset
<i>Property</i>	http://purl.org/dc/terms/creator
<i>Range</i>	Agent
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1
<i>Recommendation</i>	9. Utgivare producent och andra aktörsroller

3.2.5 Dataset - Attribution

<i>Label</i>	Attribution
<i>Description</i>	A qualified attribution makes it possible to point to actors in other roles than publisher and creator.
<i>Property</i>	http://www.w3.org/ns/prov#qualifiedAttribution

<i>Range</i>	Attribution
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n
<i>Recommendation</i>	9. Utgivare producent och andra aktörsroller

3.2.6 Dataset - Contact point

<i>Label</i>	Contact point
<i>Description</i>	This property contains contact information that can be used for flagging errors in the Dataset or sending comments.
<i>Property</i>	http://www.w3.org/ns/dcat#contactPoint
<i>Range</i>	Contact point
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.2.7 Dataset - Keyword

<i>Label</i>	Keyword
<i>Description</i>	This property contains a keyword or tag describing the Dataset
<i>Property</i>	http://www.w3.org/ns/dcat#keyword
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended

<i>Cardinality</i>	0..n
<i>Recommendation</i>	10. Tema och nyckelord

3.2.8 Dataset - Category

<i>Label</i>	Category
<i>Description</i>	This property refers to a category of the Dataset. A Dataset may be associated with multiple themes.
<i>Property</i>	http://www.w3.org/ns/dcat#theme
<i>Range</i>	Agriculture, fisheries, forestry and food Economy and finance Education, culture and sport Energy Environment Government and public sector Health International issues Justice, legal system and public safety Population and society Regions and cities Science and technology Transport
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n
<i>Recommendation</i>	10. Tema och nyckelord

3.2.9 Dataset - Identifier

<i>Label</i>	Identifier
<i>Description</i>	This property contains the main identifier for the Dataset, e.g. the URI or other unique identifier in the context of the Catalogue.
<i>Property</i>	http://purl.org/dc/terms/identifier

<i>Range</i>	Literal
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n
<i>Recommendation</i>	5. Att koppla samman en datamängd med en arkivredovisning

3.2.10 Dataset - Other identifier

<i>Label</i>	Other identifier
<i>Description</i>	This property refers to a secondary identifier of the Dataset, such as MAST/ADS 48, DataCite 49 , DOI 50 , EZID 51 or W3ID 52.
<i>Property</i>	http://www.w3.org/ns/adms#identifier
<i>Range</i>	Literal
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.11 Dataset - Release date

<i>Label</i>	Release date
<i>Description</i>	This property contains the date of formal issuance (e.g., publication) of the Dataset.
<i>Property</i>	http://purl.org/dc/terms/issued
<i>Range</i>	Datatype (xsd:date, xsd:dateTime, xsd:gYear)
<i>Requirement</i>	Recommended

<i>level</i>	
<i>Cardinality</i>	0..1
<i>Recommendation</i>	7. Utgivningsdatum modifieringsdatum och uppdateringsfrekvens

3.2.12 Dataset - Date modified

<i>Label</i>	Date modified
<i>Description</i>	This property contains the most recent date on which the Dataset was changed or modified.
<i>Property</i>	http://purl.org/dc/terms/modified
<i>Range</i>	Datatype (xsd:date, xsd:dateTime, xsd:gYear)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1
<i>Recommendation</i>	7. Utgivningsdatum modifieringsdatum och uppdateringsfrekvens

3.2.13 Dataset - Language

<i>Label</i>	Language
<i>Description</i>	This property refers to a language of the Dataset. This property can be repeated if there are multiple languages in the Dataset.
<i>Property</i>	http://purl.org/dc/terms/language
<i>Range</i>	Albanian Arabic Armenian Azerbaijani Basque Belarusian Bengali Bosnian Breton Bulgarian Catalan Chinese Corsican Croatian Czech

[Danish](#) | [Dhivehi](#) | [Dutch](#) | [English](#) | [Esperanto](#) | [Estonian](#) | [Faroese](#) | [Finnish](#) | [Flemish](#) | [French](#) | [Frisian](#) | [Galician](#) | [Georgian](#) | [German](#) | [Greek](#) | [Greenlandic](#) | [Hebrew](#) | [Hindi](#) | [Hungarian](#) | [Icelandic](#) | [Indonesian](#) | [Interlingua](#) | [Irish](#) | [Italian](#) | [Japanese](#) | [Kashubian](#) | [Kazakh](#) | [Khmer](#) | [Korean](#) | [Kurdish](#) | [Kyrgyz](#) | [Lao](#) | [Latin](#) | [Latvian](#) | [Lithuanian](#) | [Luxembourgish](#) | [Macedonian](#) | [Malagasy](#) | [Malay](#) | [Maltese](#) | [Minangkabau](#) | [Moldavian](#) | [Mongolian](#) | [Montenegrin](#) | [Nepali](#) | [Northern Sami](#) | [Norwegian](#) | [Occitan](#) | [Ossetian](#) | [Persian](#) | [Polish](#) | [Portuguese](#) | [Romani](#) | [Romanian](#) | [Romansh](#) | [Russian](#) | [Scottish Gaelic](#) | [Serbian](#) | [Serbo-Croatian](#) | [Sinhala](#) | [Slovak](#) | [Slovenian](#) | [Spanish](#) | [Swahili](#) | [Swedish](#) | [Tajiks](#) | [Tamil](#) | [Thai](#) | [Tibetan](#) | [Turkish](#) | [Turkmen](#) | [Ukrainian](#) | [Urdu](#) | [Uzbek](#) | [Valencian](#) | [Vietnamese](#) | [Walloon](#) | [Welsh](#) | [Yiddish](#) | [Zulu](#)

<i>Requirement level</i>	Optional
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<i>Cardinality</i>	0..n
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3.2.14 Dataset - Landing page

<i>Label</i>	Landing page
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<i>Description</i>	This property refers to a web page that provides access to the Dataset, its Distributions and/or additional information. It is intended to point to a landing page at the original data provider, not to a page on a site of a third party, such as an aggregator.
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<i>Property</i>	http://www.w3.org/ns/dcat#landingPage
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<i>Range</i>	Web address (URI)
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<i>Requirement level</i>	Optional
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<i>Cardinality</i>	0..n
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3.2.15 Dataset - Conforms to

<i>Label</i>	Conforms to
<i>Description</i>	This property refers to an implementing rule or other specification.
<i>Property</i>	http://purl.org/dc/terms/conformsTo
<i>Range</i>	Standard
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.16 Dataset - Named geographical area

<i>Label</i>	Named geographical area
<i>Description</i>	A spatial region or named place. The geographical area covered by the dataset. It is recommended to use URIs from Geonames in the form: http://sws.geonames.org/6695072
<i>Property</i>	http://purl.org/dc/terms/spatial
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.2.17 Dataset - Geographical area

<i>Label</i>	Geographical area
<i>Property</i>	http://purl.org/dc/terms/spatial
<i>Range</i>	Geographical area
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.2.18 Dataset - Time period

<i>Label</i>	Time period
<i>Description</i>	Validity period of a dataset (start and end date)
<i>Property</i>	http://purl.org/dc/terms/temporal
<i>Range</i>	Time period
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n
<i>Recommendation</i>	8. Tidsperiod och tidsupplösning

3.2.19 Dataset - Temporal resolution

<i>Label</i>	Temporal resolution
<i>Description</i>	This property refers to the minimum time period resolvable in the dataset. For example P1Y which indicate that data is given per year.
<i>Property</i>	http://www.w3.org/ns/dcat#temporalResolution
<i>Range</i>	Datatype (xsd:duration)

<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1
<i>Recommendation</i>	8. Tidsperiod och tidsupplösning

3.2.20 Dataset - Spatial resolution

<i>Label</i>	Spatial resolution
<i>Description</i>	This property refers to the minimum spatial separation resolvable in a dataset, measured in meters.
<i>Property</i>	http://www.w3.org/ns/dcat#spatialResolutionInMeters
<i>Range</i>	Datatype (xsd:decimal)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.2.21 Dataset - Frequency of update

<i>Label</i>	Frequency of update
<i>Description</i>	This property refers to the frequency at which Dataset is updated.
<i>Property</i>	http://purl.org/dc/terms/accrualPeriodicity
<i>Range</i>	annual biennial bimonthly biweekly continuous continuously updated daily irregular monthly other quarterly semiannual semimonthly semiweekly three times a month three times a week three times a year triennial twice a day unknown weekly

<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1
<i>Recommendation</i>	7. Utgivningsdatum modifieringsdatum och uppdateringsfrekvens

3.2.22 Dataset - Version

<i>Label</i>	Version
<i>Description</i>	This property contains a version number or other version designation of the Dataset.
<i>Property</i>	http://www.w3.org/2002/07/owl#versionInfo
<i>Range</i>	Literal
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.2.23 Dataset - Version notes

<i>Label</i>	Version notes
<i>Description</i>	This property contains a description of the differences between this version and a previous version of the Dataset. This property can be repeated for parallel language versions of the version notes.
<i>Property</i>	http://www.w3.org/ns/adms#versionNotes
<i>Range</i>	Literal with a language

<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n
<i>Recommendation</i>	2. Översätt fritextfält till andra språk

3.2.24 Dataset - Source

<i>Label</i>	Source
<i>Description</i>	This property refers to a related Dataset from which the described Dataset is derived.
<i>Property</i>	http://purl.org/dc/terms/source
<i>Range</i>	Dataset
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.25 Dataset - Access rights

<i>Label</i>	Access rights
<i>Description</i>	This property refers to information that indicates whether the Dataset/service is open data, has access restrictions or is not public.
<i>Property</i>	http://purl.org/dc/terms/accessRights
<i>Range</i>	Non-public Public Restricted
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

3.2.26 Dataset - Fee

<i>Label</i>	Fee
<i>Property</i>	http://schema.org/offers
<i>Range</i>	Fee
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.27 Dataset - Has version

<i>Label</i>	Has version
<i>Description</i>	This property refers to a related Dataset that is a version, edition, or adaptation of the described Dataset.
<i>Property</i>	http://www.w3.org/ns/dcat#hasVersion
<i>Range</i>	Dataset
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.28 Dataset - Is version of

<i>Label</i>	Is version of
<i>Description</i>	This property refers to a related Dataset of which the described Dataset is a version, edition, or adaptation.
<i>Property</i>	http://www.w3.org/ns/dcat#isVersionOf

<i>Range</i>	Dataset
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.29 Dataset - Is referenced by

<i>Label</i>	Is referenced by
<i>Description</i>	This property is about a related resource, such as a publication, that references, cites, or otherwise points to the dataset.
<i>Property</i>	http://purl.org/dc/terms/isReferencedBy
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.30 Dataset - Related resource

<i>Label</i>	Related resource
<i>Description</i>	This property refers to a related resource.
<i>Property</i>	http://purl.org/dc/terms/relation
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.31 Dataset - Qualified related resource

<i>Label</i>	Qualified related resource
<i>Description</i>	A qualified related resource makes it possible to point to a related resources together with a role that clarifies the character of the relation.
<i>Property</i>	http://www.w3.org/ns/dcat#qualifiedRelation
<i>Range</i>	Qualified related resource
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.32 Dataset - Documentation

<i>Label</i>	Documentation
<i>Description</i>	This property refers to a page or document about this Dataset.
<i>Property</i>	http://xmlns.com/foaf/0.1/page
<i>Range</i>	Document
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.33 Dataset - Provenance

<i>Label</i>	Provenance
<i>Description</i>	This property contains a statement about the lineage of a Dataset.

<i>Property</i>	http://purl.org/dc/terms/provenance
<i>Range</i>	Provenance
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.2.34 Dataset - Distribution

<i>Label</i>	Distribution
<i>Description</i>	This property links the Dataset to an available Distribution.
<i>Property</i>	http://www.w3.org/ns/dcat#distribution
<i>Range</i>	Distribution
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n
<i>Recommendation</i>	3. Distributioner motsvarar samma data i olika format , 4. Vissa datamängder delas med fördel upp i flera filer , 5. Att koppla samman en datamängd med en arkivredovisning

3.3 Distribution

Class: <http://www.w3.org/ns/dcat#Distribution>

	Property	Requirement level
<u>Title</u>	dcterms:title	optional
<u>Description</u>	dcterms:description	recommended

	Property	Requirement level
<u>Web address for access</u>	dcats:accessURL	mandatory
<u>Web address for download</u>	dcats:downloadURL	optional
<u>Common mediatypes</u>	dcterms:format	recommended
<u>Geographical mediatypes</u>	dcterms:format	optional
<u>Other mediatypes</u>	dcterms:format	recommended
<u>Access service</u>	dcats:accessService	optional
<u>Temporal resolution</u>	dcats:temporalResolution	optional
<u>Spatial resolution</u>	dcats:spatialResolutionInMeters	optional
<u>Size (in bytes)</u>	dcats:byteSize	optional
<u>Language</u>	dcterms:language	optional
<u>Release date</u>	dcterms:issued	optional
<u>Date modified</u>	dcterms:modified	optional
<u>Status</u>	adms:status	optional
<u>Availability</u>	dcats:availability	recommended
<u>License - Creative Commons</u>	dcterms:license	recommended
<u>License - other</u>	dcterms:license	recommended
<u>Rights statement</u>	dcterms:rights	optional

	Property	Requirement level
<u>Checksum</u>	spdx:checksum	optional
<u>Documentation</u>	foaf:page	optional
<u>Linked schemas</u>	dcterms:conformsTo	optional

3.3.1 Distribution - Title

<i>Label</i>	Title
<i>Description</i>	This property contains a name given to the distribution. This property can be repeated for parallel language versions of the name.
<i>Property</i>	http://purl.org/dc/terms/title
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n
<i>Recommendation</i>	1. Bra namn ska vara korta och beskrivande , 2. Översätt fritextfält till andra språk

3.3.2 Distribution - Description

<i>Label</i>	Description
<i>Description</i>	This property contains a free-text description of the distribution. This property can be repeated for parallel language versions of the description.
<i>Property</i>	http://purl.org/dc/terms/description
<i>Range</i>	Literal with a language

<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n
<i>Recommendation</i>	2. Översätt fritextfält till andra språk

3.3.3 Distribution - Web address for access

<i>Label</i>	Web address for access
<i>Description</i>	This property contains a URL that gives access to a Distribution of the Dataset. The resource at the access URL may contain information about how to get the Dataset. (1) Use accessURL, and not downloadURL, when it is definitely not a download or when you are not sure whether it is. (2) If the distribution(s) are accessible only through a landing page (i.e. direct download URLs are not known), then the landing page link SHOULD be duplicated as accessURL on a distribution.
<i>Property</i>	http://www.w3.org/ns/dcat#accessURL
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1

3.3.4 Distribution - Web address for download

<i>Label</i>	Web address for download
<i>Description</i>	A file that contains the distribution of the dataset in a given format. dcat:downloadURL is a specific form of dcat:accessURL. Nevertheless, DCAT does

not define `dc:downloadURL` as a subproperty of `dc:accessURL` not to enforce this entailment as DCAT profiles may wish to impose a stronger separation where they only use `accessURL` for non-download locations.

<i>Property</i>	http://www.w3.org/ns/dcat#downloadURL
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n
<i>Recommendation</i>	4. Vissa datamängder delas med fördel upp i flera filer

3.3.5 Distribution - Common mediatypes

<i>Label</i>	Common mediatypes
<i>Description</i>	A selection of common mediatypes according to the list suggested by the DCAT-AP recommendation.
<i>Property</i>	http://purl.org/dc/terms/format
<i>Range</i>	CSV (.csv) CSV (.csv) in a zip HTML (.html) JSON (.json) JSON (.json) in a zip Microsoft Excel (.xls) Microsoft Excel XML (.xlsx) OpenDocument Spreadsheet (.ods) PDF (.pdf) RDF as N-Triples (.n3) RDF as Turtle (.ttl) RDF query (SPARQL) RDF/XML (.rdf) Text (.txt) XML (.xml) XML (.xml) in a zip ZIP (.zip)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

Recommendation [3. Distributioner motsvarar samma data i olika format](#)

3.3.6 Distribution - Geographical mediatypes

<i>Label</i>	Geographical mediatypes
<i>Description</i>	<p>This list contains the media types applications should use for spatial data sets in INSPIRE, in particular in INSPIRE download services. Whenever sub-types exist that are registered with IANA or are in the registration process these are used. For all other formats, no commonly used sub-type exists and INSPIRE has to - at least temporarily - define their own types. In accordance with the rules for media types in RFC 2046/RFC 4288, these start with x-. In addition to the data-oriented mediatypes we also list four protocol oriented formats (application/vnd.ogc.[wms wmts wfs wcs]_xml) to cover for the cases where a single protocol-oriented distribution is created for a dataset rather one per data format.</p>
<i>Property</i>	http://purl.org/dc/terms/format
<i>Range</i>	WCS service WFS service WMS service WMTS service geopackage+sqlite3 gml+xml jp2 tiff vnd.google-earth.kml+xml vnd.google-earth.kmz vnd.sqlite3 x-ascii-grid x-ecw x-filegdb x-gmz x-las x-laz x-oracledump x-shapefile x-tab x-tab-raster x-worldfile
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1
<i>Recommendation</i>	3. Distributioner motsvarar samma data i olika format

3.3.7 Distribution - Other mediatypes

<i>Label</i>	Other mediatypes
<i>Description</i>	If you cannot find your mediatype in the list above you can provide one by hand. See list of established mediatypes at: http://www.iana.org/assignments/media-types/media-types.xhtml .
<i>Property</i>	http://purl.org/dc/terms/format
<i>Range</i>	Literal
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1
<i>Recommendation</i>	3. Distributioner motsvarar samma data i olika format

3.3.8 Distribution - Access service

<i>Label</i>	Access service
<i>Description</i>	This property refers to a data service that gives access to the distribution of the dataset
<i>Property</i>	http://www.w3.org/ns/dcat#accessService
<i>Range</i>	
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n
<i>Recommendation</i>	6. Hur en datatjänst används

3.3.9 Distribution - Temporal resolution

<i>Label</i>	Temporal resolution
<i>Description</i>	This property refers to the minimum time period resolvable in a dataset distribution. For example P1Y which indicate that data is given per year.
<i>Property</i>	http://www.w3.org/ns/dcat#temporalResolution
<i>Range</i>	Datatype (xsd:duration)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.3.10 Distribution - Spatial resolution

<i>Label</i>	Spatial resolution
<i>Description</i>	This property refers to the minimum spatial separation resolvable in a dataset distribution, measured in meters.
<i>Property</i>	http://www.w3.org/ns/dcat#spatialResolutionInMeters
<i>Range</i>	Datatype (xsd:decimal)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.3.11 Distribution - Size (in bytes)

<i>Label</i>	Size (in bytes)
<i>Description</i>	The size in bytes can be approximated when the precise size is not known.

<i>Property</i>	http://www.w3.org/ns/dcat#byteSize
<i>Range</i>	Datatype (xsd:date, xsd:dateTime, xsd:gYear)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.3.12 Distribution - Language

<i>Label</i>	Language
<i>Description</i>	This property refers to a language used in the Distribution. This property can be repeated if the metadata is provided in multiple languages.
<i>Property</i>	http://purl.org/dc/terms/language
<i>Range</i>	Albanian Arabic Armenian Azerbaijani Basque Belarusian Bengali Bosnian Breton Bulgarian Catalan Chinese Corsican Croatian Czech Danish Dhivehi Dutch English Esperanto Estonian Faroese Finnish Flemish French Frisian Galician Georgian German Greek Greenlandic Hebrew Hindi Hungarian Icelandic Indonesian Interlingua Irish Italian Japanese Kashubian Kazakh Khmer Korean Kurdish Kyrgyz Lao Latin Latvian Lithuanian Luxembourgish Macedonian Malagasy Malay Maltese Minangkabau Moldavian Mongolian Montenegrin Nepali Northern Sami Norwegian Occitan Ossetian Persian Polish Portuguese Romani Romanian Romansh Russian Scottish Gaelic Serbian Serbo-Croatian Sinhala Slovak Slovenian Spanish Swahili Swedish Tajiks Tamil Thai Tibetan Turkish Turkmen Ukrainian Urdu Uzbek Valencian Vietnamese Walloon Welsh Yiddish Zulu

<i>Requirement level</i>	Optional
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<i>Cardinality</i>	0..n
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3.3.13 Distribution - Release date

<i>Label</i>	Release date
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<i>Description</i>	This property contains the date of formal issuance (e.g., publication) of the Distribution.
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<i>Property</i>	http://purl.org/dc/terms/issued
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<i>Range</i>	Datatype (xsd:date, xsd:dateTime, xsd:gYear)
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<i>Requirement level</i>	Optional
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<i>Cardinality</i>	0..1
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3.3.14 Distribution - Date modified

<i>Label</i>	Date modified
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<i>Description</i>	This property contains the most recent date on which the Distribution was changed or modified.
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<i>Property</i>	http://purl.org/dc/terms/modified
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<i>Range</i>	Datatype (xsd:date, xsd:dateTime, xsd:gYear)
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<i>Requirement level</i>	Optional
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<i>Cardinality</i>	0..1
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3.3.15 Distribution - Status

<i>Label</i>	Status
<i>Description</i>	This property refers to the maturity of the Distribution
<i>Property</i>	http://www.w3.org/ns/adms#status
<i>Range</i>	Completed Deprecated Under development Withdrawn
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.3.16 Distribution - Availability

<i>Label</i>	Availability
<i>Description</i>	This property indicates how long it is planned to keep the Distribution of the Dataset available
<i>Property</i>	http://data.europa.eu/r5r/availability
<i>Range</i>	Available Experimental Stable Temporary
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

3.3.17 Distribution - License - Creative Commons

<i>Label</i>	License - Creative Commons
<i>Property</i>	http://purl.org/dc/terms/license
<i>Range</i>	CC BY 4.0 (Attribution) CC BY-NC 4.0 (Attribution, Non-Commercial) CC BY-NC-ND 4.0 (Attribution, Non-Commercial, No Derivative)

[Works](#)) | [CC BY-NC-SA 4.0 \(Attribution, Non-Commercial, Share Alike\)](#) | [CC BY-ND 4.0 \(Attribution, No Derivative Works\)](#) | [CC BY-SA 4.0 \(Attribution, Share Alike\)](#) | [CC0 1.0 \(Public Domain Dedication, No Copyright\)](#)

<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..n
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<i>Recommendation</i>	11. Licenser
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3.3.18 Distribution - License - other

<i>Label</i>	License - other
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<i>Description</i>	Refers to which licence under which the Distribution is made available if you are not using a CC license.
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<i>Property</i>	http://purl.org/dc/terms/license
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<i>Range</i>	License document
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<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..n
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<i>Recommendation</i>	11. Licenser
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3.3.19 Distribution - Rights statement

<i>Label</i>	Rights statement
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<i>Description</i>	This property refers to a statement that specifies rights.
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<i>Property</i>	http://purl.org/dc/terms/rights
<i>Range</i>	Rights statement
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.3.20 Distribution - Checksum

<i>Label</i>	Checksum
<i>Description</i>	This property provides a mechanism that can be used to verify that the contents of a distribution have not changed.
<i>Property</i>	http://spdx.org/rdf/terms#checksum
<i>Range</i>	Checksum
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

3.3.21 Distribution - Documentation

<i>Label</i>	Documentation
<i>Description</i>	This property refers to a page or document about this Distribution.
<i>Property</i>	http://xmlns.com/foaf/0.1/page
<i>Range</i>	Document
<i>Requirement level</i>	Optional

Cardinality 0..n

3.3.22 Distribution - Linked schemas

<i>Label</i>	Linked schemas
<i>Description</i>	This property refers to an established schema to which the described Distribution conforms.
<i>Property</i>	http://purl.org/dc/terms/conformsTo
<i>Range</i>	Standard
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.4 Data service

Class: <http://www.w3.org/ns/dcat#DataService>

	Property	Requirement level
<u>Title</u>	dcterms:title	mandatory
<u>Description</u>	dcterms:description	optional
<u>Endpoint URL</u>	dcat:endpointURL	mandatory
<u>Endpoint description</u>	dcat:endpointDescription	recommended
<u>Publisher</u>	dcterms:publisher	optional
<u>Contact point</u>	dcat:contactPoint	recommended
<u>Architectural style</u>	dcterms:type	optional
<u>Keyword</u>	dcat:keyword	recommended

	Property	Requirement level
<u>Category</u>	dcat:theme	optional
<u>Conforms to</u>	dcterms:conformsTo	optional
<u>Serves dataset</u>	dcat:servesDataset	optional
<u>License - Creative Commons</u>	dcterms:license	recommended
<u>License - other</u>	dcterms:license	recommended
<u>Access rights</u>	dcterms:accessRights	recommended
<u>Landing page</u>	dcat:landingPage	optional
<u>Documentation</u>	foaf:page	optional

3.4.1 Data service - Title

<i>Label</i>	Title
<i>Description</i>	This property contains a name given to the data service. This property can be repeated for parallel language versions of the name.
<i>Property</i>	<u>http://purl.org/dc/terms/title</u>
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n
<i>Recommendation</i>	<u>1. Bra namn ska vara korta och beskrivande, 2. Översätt fritextfält till andra språk</u>

3.4.2 Data service - Description

<i>Label</i>	Description
<i>Description</i>	This property contains a free-text account of the data service. This property can be repeated for parallel language versions of the description.
<i>Property</i>	http://purl.org/dc/terms/description
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n
<i>Recommendation</i>	2. Översätt fritextfält till andra språk

3.4.3 Data service - Endpoint URL

<i>Label</i>	Endpoint URL
<i>Description</i>	The root location or primary endpoint of the data service (a URL).
<i>Property</i>	http://www.w3.org/ns/dcat#endpointURL
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n

3.4.4 Data service - Endpoint description

<i>Label</i>	Endpoint description
<i>Description</i>	This property contains a description of the services available via the end-points, including their operations,

parameters etc. The property gives specific details of the actual endpoint instances, while dct:conformsTo is used to indicate the general standard or specification that the endpoints implement.

<i>Property</i>	http://www.w3.org/ns/dcat#endpointDescription
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.4.5 Data service - Publisher

<i>Label</i>	Publisher
<i>Description</i>	This property refers to an entity (organisation) responsible for making the Dataservice available.
<i>Property</i>	http://purl.org/dc/terms/publisher
<i>Range</i>	Agent
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.4.6 Data service - Contact point

<i>Label</i>	Contact point
<i>Description</i>	This property contains contact information that can be used for flagging errors in the dataservice or sending comments.
<i>Property</i>	http://www.w3.org/ns/dcat#contactPoint

<i>Range</i>	Contact point
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.4.7 Data service - Architectural style

<i>Label</i>	Architectural style
<i>Description</i>	Which architectural style used for the service. Use dcterms:conformsTo to indicate more details such as the exact protocol used.
<i>Property</i>	http://purl.org/dc/terms/type
<i>Range</i>	REST RPC
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.4.8 Data service - Keyword

<i>Label</i>	Keyword
<i>Description</i>	This property contains a keyword or tag describing the Dataservice
<i>Property</i>	http://www.w3.org/ns/dcat#keyword
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.4.9 Data service - Category

<i>Label</i>	Category
<i>Description</i>	This property refers to a category of the Dataservice. A Dataservice may be associated with multiple themes.
<i>Property</i>	http://www.w3.org/ns/dcat#theme
<i>Range</i>	Agriculture, fisheries, forestry and food Economy and finance Education, culture and sport Energy Environment Government and public sector Health International issues Justice, legal system and public safety Population and society Regions and cities Science and technology Transport
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.4.10 Data service - Conforms to

<i>Label</i>	Conforms to
<i>Description</i>	This property refers to an implementing rule or other specification.
<i>Property</i>	http://purl.org/dc/terms/conformsTo
<i>Range</i>	Standard
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.4.11 Data service - Serves dataset

<i>Label</i>	Serves dataset
<i>Description</i>	This property refers to a collection of data that this data service can distribute.
<i>Property</i>	http://www.w3.org/ns/dcat#servesDataset
<i>Range</i>	Dataset
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.4.12 Data service - License - Creative Commons

<i>Label</i>	License - Creative Commons
<i>Property</i>	http://purl.org/dc/terms/license
<i>Range</i>	CC BY 4.0 (Attribution) CC BY-NC 4.0 (Attribution, Non-Commercial) CC BY-NC-ND 4.0 (Attribution, Non-Commercial, No Derivative Works) CC BY-NC-SA 4.0 (Attribution, Non-Commercial, Share Alike) CC BY-ND 4.0 (Attribution, No Derivative Works) CC BY-SA 4.0 (Attribution, Share Alike) CC0 1.0 (Public Domain Dedication, No Copyright)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.4.13 Data service - License - other

<i>Label</i>	License - other
<i>Property</i>	http://purl.org/dc/terms/license

<i>Range</i>	License document
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.4.14 Data service - Access rights

<i>Label</i>	Access rights
<i>Description</i>	This property refers to information that indicates whether the Dataset/service is open data, has access restrictions or is not public.
<i>Property</i>	http://purl.org/dc/terms/accessRights
<i>Range</i>	Non-public Public Restricted
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

3.4.15 Data service - Landing page

<i>Label</i>	Landing page
<i>Description</i>	This property refers to a web page that provides access to the data service and/or additional information. It is intended to point to a landing page at the original data provider, not to a page on a site of a third party, such as an aggregator.
<i>Property</i>	http://www.w3.org/ns/dcat#landingPage
<i>Range</i>	Web address (URI)

<i>Requirement level</i>	Optional
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<i>Cardinality</i>	0..n
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3.4.16 Data service - Documentation

<i>Label</i>	Documentation
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<i>Description</i>	This property refers to a page or document about the data service.
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<i>Property</i>	http://xmlns.com/foaf/0.1/page
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<i>Range</i>	Document
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<i>Requirement level</i>	Optional
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<i>Cardinality</i>	0..n
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3.5 Agent

Class: <http://xmlns.com/foaf/0.1/Agent>

	Property	Requirement level
Name	foaf:name	mandatory
Type	dcterms:type	recommended
Homepage	foaf:homepage	optional
Email address	foaf:mbox	optional

3.5.1 Agent - Name

<i>Label</i>	Name
<i>Description</i>	Ett namn på en person eller organisation.
<i>Property</i>	http://xmlns.com/foaf/0.1/name
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n

3.5.2 Agent - Type

<i>Label</i>	Type
<i>Property</i>	http://purl.org/dc/terms/type
<i>Range</i>	Academia/Scientific organisation Company Industry consortium Local Authority National authority Non-Governmental Organisation Non-Profit Organisation Private Individual(s) Regional authority Standardisation body Supra-national authority
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

3.5.3 Agent - Homepage

<i>Label</i>	Homepage
<i>Description</i>	A homepage for a person or organization.
<i>Property</i>	http://xmlns.com/foaf/0.1/homepage

<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.5.4 Agent - Email address

<i>Label</i>	Email address
<i>Description</i>	An e-mail address used by a person or a specific administrative function within an organization.
<i>Property</i>	http://xmlns.com/foaf/0.1/mbox
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

3.6 Contact point

Class: <http://www.w3.org/2006/vcard/ns#Organization>

This property contains contact information that can be used for flagging errors in the Dataset / Data service or sending comments

	Property	Requirement level
<u>Kind</u>	rdf:type	mandatory
<u>Formatted name</u>	vcard:fn	mandatory
<u>Email</u>	vcard:hasEmail	mandatory
<u>Telephone</u>	vcard:hasTelephone	recommended
<u>Address</u>	vcard:hasAddress	recommended

3.6.1 Contact point - Kind

<i>Label</i>	Kind
<i>Description</i>	This property tells whether the contact point corresponds to an Individual or an Organisation.
<i>Property</i>	http://www.w3.org/1999/02/22-rdf-syntax-ns#type
<i>Range</i>	Individual Organization
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1

3.6.2 Contact point - Formatted name

<i>Label</i>	Formatted name
<i>Description</i>	The text that corresponds to the name of the contactpoint.
<i>Property</i>	http://www.w3.org/2006/vcard/ns#fn
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n

3.6.3 Contact point - Email

<i>Label</i>	Email
<i>Description</i>	An e-mail address used by a person or a specific administrative function within an organization.

<i>Property</i>	http://www.w3.org/2006/vcard/ns#hasEmail
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n

3.6.4 Contact point - Telephone

<i>Label</i>	Telephone
<i>Description</i>	The telephone number should be given including country calling code, e.g. +4618100000.
<i>Property</i>	http://www.w3.org/2006/vcard/ns#hasTelephone
<i>Range</i>	Telephone
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

3.6.5 Contact point - Address

<i>Label</i>	Address
<i>Description</i>	To specify the delivery address for the contact point.
<i>Property</i>	http://www.w3.org/2006/vcard/ns#hasAddress
<i>Range</i>	Address
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

4 Supportive classes

4.1 Document

Class: <http://xmlns.com/foaf/0.1/Document>

	Property	Requirement level
<u>Title</u>	dcterms:title	recommended
<u>Description</u>	dcterms:description	recommended

4.1.1 Document - Title

<i>Label</i>	Title
<i>Description</i>	A name given to the resource.
<i>Property</i>	http://purl.org/dc/terms/title
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

4.1.2 Document - Description

<i>Label</i>	Description
<i>Description</i>	An account of the document.
<i>Property</i>	http://purl.org/dc/terms/description
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended

<i>Cardinality</i>	0..n
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4.2 License document

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

	Property	Requirement level
<u>Title</u>	dcterms:title	recommended
<u>Description</u>	dcterms:description	recommended

4.2.1 License document - Title

<i>Label</i>	Title
<i>Description</i>	A name given to the resource.
<i>Property</i>	http://purl.org/dc/terms/title
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

4.2.2 License document - Description

<i>Label</i>	Description
<i>Description</i>	An account of the license document.
<i>Property</i>	http://purl.org/dc/terms/description
<i>Range</i>	Literal with a language

<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..n
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4.3 Standard

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

	Property	Requirement level
<u>Title</u>	dcterms:title	recommended
<u>Description</u>	dcterms:description	recommended

4.3.1 Standard - Title

<i>Label</i>	Title
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<i>Description</i>	A name given to the standard.
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<i>Property</i>	http://purl.org/dc/terms/title
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<i>Range</i>	Literal with a language
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<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..n
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4.3.2 Standard - Description

<i>Label</i>	Description
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<i>Description</i>	An account of the standard.
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<i>Property</i>	http://purl.org/dc/terms/description
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<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

4.4 Geographical area

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

	Property	Requirement level
<u>Center coordinate</u>	dc:centroid	recommended
<u>Boundingbox</u>	dc:bbox	recommended
<u>Geographic shape</u>	locn:geometry	optional

4.4.1 Geographical area - Center coordinate

<i>Label</i>	Center coordinate
<i>Property</i>	http://www.w3.org/ns/dcat#centroid
<i>Range</i>	Datatype (gsp:wktLiteral)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

4.4.2 Geographical area - Boundingbox

<i>Label</i>	Boundingbox
<i>Property</i>	http://www.w3.org/ns/dcat#bbox

<i>Range</i>	Datatype (gsp:wktLiteral)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

4.4.3 Geographical area - Geographic shape

<i>Label</i>	Geographic shape
<i>Property</i>	http://www.w3.org/ns/locn#geometry
<i>Range</i>	Datatype (gsp:wktLiteral)
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..1

4.5 Time period

Class: <http://purl.org/dc/terms/PeriodOfTime>

Validity period of a dataset (start and end date)

	Property	Requirement level
<u>Start</u>	dcat:startDate	recommended
<u>End</u>	dcat:endDate	recommended

4.5.1 Time period - Start

<i>Label</i>	Start
<i>Description</i>	Start date of the period for which the dataset contains data.

<i>Property</i>	http://www.w3.org/ns/dcat#startDate
<i>Range</i>	Datatype (xsd:date, xsd:dateTime, xsd:gYear)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

4.5.2 Time period - End

<i>Label</i>	End
<i>Description</i>	End date of the period for which the dataset contains data.
<i>Property</i>	http://www.w3.org/ns/dcat#endDate
<i>Range</i>	Datatype (xsd:date, xsd:dateTime, xsd:gYear)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

4.6 Rights statement

Class: <http://schema.theodi.org/odrs#RightsStatement>

This property refers to a statement that specifies rights.

	Property	Requirement level
<u>Attribution text</u>	odrs:attributionText	recommended
<u>Attribution URL</u>	odrs:attributionURL	recommended
<u>Copyright notice</u>	odrs:copyrightNotice	optional

	Property	Requirement level
<u>Copyright statement</u>	odrs:copyrightStatement	recommended
<u>Copyright year</u>	odrs:copyrightYear	optional
<u>Copyright holder</u>	odrs:copyrightHolder	recommended
<u>Jurisdiction</u>	odrs:jurisdiction	recommended
<u>Guidelines for re-users</u>	odrs:reuserGuidelines	recommended

4.6.1 Rights statement - Attribution text

<i>Label</i>	Attribution text
<i>Description</i>	The text to use in an attribution link. This may be the name of the publisher or a reference to a community or group of contributors.
<i>Property</i>	http://schema.theodi.org/odrs#attributionText
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

4.6.2 Rights statement - Attribution URL

<i>Label</i>	Attribution URL
<i>Description</i>	The link (URL) which should be used when attributing a data source. The URL could be a reference to the dataset or publisher homepage, but may also be a dedicated attribution page. This is useful when

providing onward attribution to upstream sources.

<i>Property</i>	http://schema.theodi.org/odrs#attributionURL
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

4.6.3 Rights statement - Copyright notice

<i>Label</i>	Copyright notice
<i>Description</i>	The copyright notice associated with a rights statement. A notice must typically be preserved and displayed when acknowledging the source of some data. This property is expressed as a simple literal value and so is suitable for simple copyright notices. Where a data publisher needs to reference a larger copyright statement and/or related guidance then the copyrightStatement property should be used instead.
<i>Property</i>	http://schema.theodi.org/odrs#copyrightNotice
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

4.6.4 Rights statement - Copyright statement

<i>Label</i>	Copyright statement
<i>Description</i>	A link (URL) to a document that includes a statement about the copyright status of the content of a dataset.

The web page might include both a copyright notice for a dataset, and any relevant guidance for re-users.

<i>Property</i>	http://schema.theodi.org/odrs#copyrightStatement
<i>Range</i>	License document
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..n

4.6.5 Rights statement - Copyright year

<i>Label</i>	Copyright year
<i>Description</i>	The year from which copyright over the content of the dataset is asserted.
<i>Property</i>	http://schema.theodi.org/odrs#copyrightYear
<i>Range</i>	Literal
<i>Requirement level</i>	Optional
<i>Cardinality</i>	0..n

4.6.6 Rights statement - Copyright holder

<i>Label</i>	Copyright holder
<i>Description</i>	A reference to the organization that holds copyright over the content of the dataset.
<i>Property</i>	http://schema.theodi.org/odrs#copyrightHolder
<i>Range</i>	Agent

<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..n
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4.6.7 Rights statement - Jurisdiction

<i>Label</i>	Jurisdiction
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<i>Description</i>	A reference (URI) to the jurisdiction in which copyright and/or database rights have been asserts. It is recommended that this refer to the URI for a country or region.
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<i>Property</i>	http://schema.theodi.org/odrs#jurisdiction
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<i>Range</i>	Web address (URI)
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<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..n
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4.6.8 Rights statement - Guidelines for re-users

<i>Label</i>	Guidelines for re-users
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<i>Description</i>	Link (URL) to a document that provides guidelines for re-users of data that is covered by a specific rights statement. The guidelines may include more detail on attribution guidelines, a fuller copyright statement, and general guidance on how the data might be re-used
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<i>Property</i>	http://schema.theodi.org/odrs#reuserGuidelines
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<i>Range</i>	Web address (URI)
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<i>Requirement level</i>	Recommended
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<i>Cardinality</i>	0..n
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4.7 Attribution

Class: <http://www.w3.org/ns/prov#Attribution>

A qualified attribution makes it possible to point to actors in other roles than publisher and creator.

	Property	Requirement level
Role	dcat:hadRole	mandatory
Party	prov:agent	mandatory

4.7.1 Attribution - Role

<i>Label</i>	Role
<i>Description</i>	Responsible party role
<i>Property</i>	http://www.w3.org/ns/dcat#hadRole
<i>Range</i>	Author Custodian Distributor Owner Principal Investigator Processor Resource Provider User
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1

4.7.2 Attribution - Party

<i>Label</i>	Party
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<i>Property</i>	http://www.w3.org/ns/prov#agent
<i>Range</i>	Agent
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1

4.8 Qualified related resource

Class: <http://www.w3.org/ns/dcat#Relationship>

A qualified related resource makes it possible to point to a related resources together with a role that clarifies the character of the relation.

	Property	Requirement level
<u>Role</u>	dcat:hadRole	mandatory
<u>Resource</u>	dcterms:relation	mandatory

4.8.1 Qualified related resource - Role

<i>Label</i>	Role
<i>Description</i>	The role of a dataset with respect to another dataset.
<i>Property</i>	http://www.w3.org/ns/dcat#hadRole
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1

4.8.2 Qualified related resource - Resource

<i>Label</i>	Resource
<i>Property</i>	http://purl.org/dc/terms/relation
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1

4.9 Provenance

Class: <http://purl.org/dc/terms/ProvenanceStatement>

This property contains a statement about the lineage of a Dataset.

	Property	Requirement level
<u>Description</u>	dcterms:description	mandatory

4.9.1 Provenance - Description

<i>Label</i>	Description
<i>Property</i>	http://purl.org/dc/terms/description
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n

4.10 Checksum

Class: <http://spdx.org/rdf/terms#Checksum>

This property provides a mechanism that can be used to verify that the

contents of a distribution have not changed.

	Property	Requirement level
<u>Checksum value</u>	spdx:checksumValue	mandatory
<u>Algorithm</u>	spdx:algorithm	mandatory

4.10.1 Checksum - Checksum value

<i>Label</i>	Checksum value
<i>Description</i>	This property provides a lower case hexadecimal encoded digest value produced using a specific algorithm.
<i>Property</i>	http://spdx.org/rdf/terms#checksumValue
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1

4.10.2 Checksum - Algorithm

<i>Label</i>	Algorithm
<i>Description</i>	This property identifies the algorithm used to produce the subject Checksum. Currently, SHA-1 is the only supported algorithm. It is anticipated that other algorithms will be supported at a later time.
<i>Property</i>	http://spdx.org/rdf/terms#algorithm
<i>Range</i>	SHA-1
<i>Requirement level</i>	Mandatory

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4.11 Telephone

Class: <http://www.w3.org/2006/vcard/ns#Voice>

The telephone number should be given including country calling code, e.g. +4618100000.

	Property	Requirement level
<u>Number</u>	vcard:hasValue	mandatory

4.11.1 Telephone - Number

<i>Label</i>	Number
<i>Description</i>	The telephone number should be given including country calling code, e.g. +4618100000.
<i>Property</i>	http://www.w3.org/2006/vcard/ns#hasValue
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1

4.12 Address

Class: <http://www.w3.org/2006/vcard/ns#Address>

To specify the delivery address for the contact point.

	Property	Requirement level
<u>Country name</u>	vcard:country-name	recommended

	Property	Requirement level
<u>Locality</u>	vcard:locality	recommended
<u>Postal code</u>	vcard:postal-code	recommended
<u>Street address</u>	vcard:street-address	recommended

4.12.1 Address - Country name

<i>Label</i>	Country name
<i>Description</i>	The country name associated with the address.
<i>Property</i>	http://www.w3.org/2006/vcard/ns#country-name
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

4.12.2 Address - Locality

<i>Label</i>	Locality
<i>Description</i>	The locality (e.g. city or town) associated with the address.
<i>Property</i>	http://www.w3.org/2006/vcard/ns#locality
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

4.12.3 Address - Postal code

<i>Label</i>	Postal code
<i>Description</i>	The postal code associated with the address.
<i>Property</i>	http://www.w3.org/2006/vcard/ns#postal-code
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

4.12.4 Address - Street address

<i>Label</i>	Street address
<i>Description</i>	The street address associated with the address.
<i>Property</i>	http://www.w3.org/2006/vcard/ns#street-address
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

4.13 Fee

Class: <http://schema.org/Offer>

	Property	Requirement level
<u>Description</u>	schema:description	mandatory
<u>Webpage</u>	schema:mainEntityOfPage	recommended

4.13.1 Fee - Description

<i>Label</i>	Description
<i>Description</i>	Here you provide information about the fee, the basis for how the fees is calculated as well as other relevant information.
<i>Property</i>	http://schema.org/description
<i>Range</i>	Literal with a language
<i>Requirement level</i>	Mandatory
<i>Cardinality</i>	1..n

4.13.2 Fee - Webpage

<i>Label</i>	Webpage
<i>Description</i>	A webpage with information about the fee and the basis upon which the fee is calculated is described in more detail.
<i>Property</i>	http://schema.org/mainEntityOfPage
<i>Range</i>	Web address (URI)
<i>Requirement level</i>	Recommended
<i>Cardinality</i>	0..1

5 Vocabularies

5.1 Language

Label	Value
<u>Albanian</u>	http://publications.europa.eu/resource/authority/language/SQI
<u>Arabic</u>	http://publications.europa.eu/resource/authority/language/ARA
<u>Armenian</u>	http://publications.europa.eu/resource/authority/language/HYE
<u>Azerbaijani</u>	http://publications.europa.eu/resource/authority/language/AZE
<u>Basque</u>	http://publications.europa.eu/resource/authority/language/EUS
<u>Belarusian</u>	http://publications.europa.eu/resource/authority/language/BEL
<u>Bengali</u>	http://publications.europa.eu/resource/authority/language/BEN
<u>Bosnian</u>	http://publications.europa.eu/resource/authority/language/BOS
<u>Breton</u>	http://publications.europa.eu/resource/authority/language/BRE
<u>Bulgarian</u>	http://publications.europa.eu/resource/authority/language/BUL
<u>Catalan</u>	http://publications.europa.eu/resource/authority/language/CAT
<u>Chinese</u>	http://publications.europa.eu/resource/authority/language/ZHO
<u>Corsican</u>	http://publications.europa.eu/resource/authority/language/COS
<u>Croatian</u>	http://publications.europa.eu/resource/authority/language/HRV

Label	Value
<u>Czech</u>	http://publications.europa.eu/resource/authority/language/CES
<u>Danish</u>	http://publications.europa.eu/resource/authority/language/DAN
<u>Dhivehi</u>	http://publications.europa.eu/resource/authority/language/DIV
<u>Dutch</u>	http://publications.europa.eu/resource/authority/language/NLD
<u>English</u>	http://publications.europa.eu/resource/authority/language/ENG
<u>Esperanto</u>	http://publications.europa.eu/resource/authority/language/EPO
<u>Estonian</u>	http://publications.europa.eu/resource/authority/language/EST
<u>Faroese</u>	http://publications.europa.eu/resource/authority/language/FAO
<u>Finnish</u>	http://publications.europa.eu/resource/authority/language/FIN
<u>Flemish</u>	http://publications.europa.eu/resource/authority/language/VLS
<u>French</u>	http://publications.europa.eu/resource/authority/language/FRA
<u>Frisian</u>	http://publications.europa.eu/resource/authority/language/FRY
<u>Galician</u>	http://publications.europa.eu/resource/authority/language/GLG
<u>Georgian</u>	http://publications.europa.eu/resource/authority/language/KAT

Label	Value
<u>German</u>	http://publications.europa.eu/resource/authority/language/DEU
<u>Greek</u>	http://publications.europa.eu/resource/authority/language/ELL
<u>Greenlandic</u>	http://publications.europa.eu/resource/authority/language/KAL
<u>Hebrew</u>	http://publications.europa.eu/resource/authority/language/HEB
<u>Hindi</u>	http://publications.europa.eu/resource/authority/language/HIN
<u>Hungarian</u>	http://publications.europa.eu/resource/authority/language/HUN
<u>Icelandic</u>	http://publications.europa.eu/resource/authority/language/ISL
<u>Indonesian</u>	http://publications.europa.eu/resource/authority/language/IND
<u>Interlingua</u>	http://publications.europa.eu/resource/authority/language/INA
<u>Irish</u>	http://publications.europa.eu/resource/authority/language/GLE
<u>Italian</u>	http://publications.europa.eu/resource/authority/language/ITA
<u>Japanese</u>	http://publications.europa.eu/resource/authority/language/JPN
<u>Kashubian</u>	http://publications.europa.eu/resource/authority/language/CSB
<u>Kazakh</u>	http://publications.europa.eu/resource/authority/language/KAZ

Label	Value
<u>Khmer</u>	http://publications.europa.eu/resource/authority/language/KHM
<u>Korean</u>	http://publications.europa.eu/resource/authority/language/KOR
<u>Kurdish</u>	http://publications.europa.eu/resource/authority/language/KUR
<u>Kyrgyz</u>	http://publications.europa.eu/resource/authority/language/KIR
<u>Lao</u>	http://publications.europa.eu/resource/authority/language/LAO
<u>Latin</u>	http://publications.europa.eu/resource/authority/language/LAT
<u>Latvian</u>	http://publications.europa.eu/resource/authority/language/LAV
<u>Lithuanian</u>	http://publications.europa.eu/resource/authority/language/LIT
<u>Luxembourgish</u>	http://publications.europa.eu/resource/authority/language/LTZ
<u>Macedonian</u>	http://publications.europa.eu/resource/authority/language/MKD
<u>Malagasy</u>	http://publications.europa.eu/resource/authority/language/MLG
<u>Malay</u>	http://publications.europa.eu/resource/authority/language/MSA
<u>Maltese</u>	http://publications.europa.eu/resource/authority/language/MLT
<u>Minangkabau</u>	http://publications.europa.eu/resource/authority/language/MIN

Label	Value
<u>Moldavian</u>	http://publications.europa.eu/resource/authority/language/MOL
<u>Mongolian</u>	http://publications.europa.eu/resource/authority/language/MON
<u>Montenegrin</u>	http://publications.europa.eu/resource/authority/language/0E0
<u>Nepali</u>	http://publications.europa.eu/resource/authority/language/NEP
<u>Northern Sami</u>	http://publications.europa.eu/resource/authority/language/SME
<u>Norwegian</u>	http://publications.europa.eu/resource/authority/language/NOR
<u>Occitan</u>	http://publications.europa.eu/resource/authority/language/OCI
<u>Ossetian</u>	http://publications.europa.eu/resource/authority/language/OSS
<u>Persian</u>	http://publications.europa.eu/resource/authority/language/FAS
<u>Polish</u>	http://publications.europa.eu/resource/authority/language/POL
<u>Portuguese</u>	http://publications.europa.eu/resource/authority/language/POR
<u>Romani</u>	http://publications.europa.eu/resource/authority/language/ROM
<u>Romanian</u>	http://publications.europa.eu/resource/authority/language/RON
<u>Romansh</u>	http://publications.europa.eu/resource/authority/language/ROH

Label	Value
<u>Russian</u>	http://publications.europa.eu/resource/authority/language/RUS
<u>Scottish Gaelic</u>	http://publications.europa.eu/resource/authority/language/GLA
<u>Serbian</u>	http://publications.europa.eu/resource/authority/language/SRP
<u>Serbo-Croatian</u>	http://publications.europa.eu/resource/authority/language/HBS
<u>Sinhala</u>	http://publications.europa.eu/resource/authority/language/SIN
<u>Slovak</u>	http://publications.europa.eu/resource/authority/language/SLK
<u>Slovenian</u>	http://publications.europa.eu/resource/authority/language/SLV
<u>Spanish</u>	http://publications.europa.eu/resource/authority/language/SPA
<u>Swahili</u>	http://publications.europa.eu/resource/authority/language/SWA
<u>Swedish</u>	http://publications.europa.eu/resource/authority/language/SWE
<u>Tajiks</u>	http://publications.europa.eu/resource/authority/language/TGK
<u>Tamil</u>	http://publications.europa.eu/resource/authority/language/TAM
<u>Thai</u>	http://publications.europa.eu/resource/authority/language/THA
<u>Tibetan</u>	http://publications.europa.eu/resource/authority/language/BOD

Label	Value
<u>Turkish</u>	http://publications.europa.eu/resource/authority/language/TUR
<u>Turkmen</u>	http://publications.europa.eu/resource/authority/language/TUK
<u>Ukrainian</u>	http://publications.europa.eu/resource/authority/language/UKR
<u>Urdu</u>	http://publications.europa.eu/resource/authority/language/URD
<u>Uzbek</u>	http://publications.europa.eu/resource/authority/language/UZB
<u>Valencian</u>	http://publications.europa.eu/resource/authority/language/0D0
<u>Vietnamese</u>	http://publications.europa.eu/resource/authority/language/VIE
<u>Walloon</u>	http://publications.europa.eu/resource/authority/language/WLN
<u>Welsh</u>	http://publications.europa.eu/resource/authority/language/CYM
<u>Yiddish</u>	http://publications.europa.eu/resource/authority/language/YID
<u>Zulu</u>	http://publications.europa.eu/resource/authority/language/ZUL

5.1.1 Language - Albanian

<i>Label</i>	Albanian
<i>Value</i>	http://publications.europa.eu/resource/authority/language/SQI

5.1.2 Language - Arabic

Label Arabic

Value <http://publications.europa.eu/resource/authority/language/ARA>

5.1.3 Language - Armenian

Label Armenian

Value <http://publications.europa.eu/resource/authority/language/HYE>

5.1.4 Language - Azerbaijani

Label Azerbaijani

Value <http://publications.europa.eu/resource/authority/language/AZE>

5.1.5 Language - Basque

Label Basque

Value <http://publications.europa.eu/resource/authority/language/EUS>

5.1.6 Language - Belarusian

Label Belarusian

Value <http://publications.europa.eu/resource/authority>

[/language/BEL](#)

5.1.7 Language - Bengali

Label Bengali

Value [http://publications.europa.eu/resource/authority
/language/BEN](http://publications.europa.eu/resource/authority/language/BEN)

5.1.8 Language - Bosnian

Label Bosnian

Value [http://publications.europa.eu/resource/authority
/language/BOS](http://publications.europa.eu/resource/authority/language/BOS)

5.1.9 Language - Breton

Label Breton

Value [http://publications.europa.eu/resource/authority
/language/BRE](http://publications.europa.eu/resource/authority/language/BRE)

5.1.10 Language - Bulgarian

Label Bulgarian

Value [http://publications.europa.eu/resource/authority
/language/BUL](http://publications.europa.eu/resource/authority/language/BUL)

5.1.11 Language - Catalan

Label Catalan

Value <http://publications.europa.eu/resource/authority/language/CAT>

5.1.12 Language - Chinese

Label Chinese

Value <http://publications.europa.eu/resource/authority/language/ZHO>

5.1.13 Language - Corsican

Label Corsican

Value <http://publications.europa.eu/resource/authority/language/COS>

5.1.14 Language - Croatian

Label Croatian

Value <http://publications.europa.eu/resource/authority/language/HRV>

5.1.15 Language - Czech

Label Czech

Value <http://publications.europa.eu/resource/authority/language/CES>

5.1.16 Language - Danish

Label Danish

Value <http://publications.europa.eu/resource/authority/language/DAN>

5.1.17 Language - Dhivehi

Label Dhivehi

Value <http://publications.europa.eu/resource/authority/language/DIV>

5.1.18 Language - Dutch

Label Dutch

Value <http://publications.europa.eu/resource/authority/language/NLD>

5.1.19 Language - English

Label English

Value <http://publications.europa.eu/resource/authority/language/ENG>

5.1.20 Language - Esperanto

Label Esperanto

Value <http://publications.europa.eu/resource/authority/language/ESP>

[/language/EPO](#)

5.1.21 Language - Estonian

Label Estonian

Value <http://publications.europa.eu/resource/authority/language/EST>

5.1.22 Language - Faroese

Label Faroese

Value <http://publications.europa.eu/resource/authority/language/FAO>

5.1.23 Language - Finnish

Label Finnish

Value <http://publications.europa.eu/resource/authority/language/FIN>

5.1.24 Language - Flemish

Label Flemish

Value <http://publications.europa.eu/resource/authority/language/VLS>

5.1.25 Language - French

Label French

Value <http://publications.europa.eu/resource/authority/language/FRA>

5.1.26 Language - Frisian

Label Frisian

Value <http://publications.europa.eu/resource/authority/language/FRY>

5.1.27 Language - Galician

Label Galician

Value <http://publications.europa.eu/resource/authority/language/GLG>

5.1.28 Language - Georgian

Label Georgian

Value <http://publications.europa.eu/resource/authority/language/KAT>

5.1.29 Language - German

Label German

Value <http://publications.europa.eu/resource/authority/language/DEU>

5.1.30 Language - Greek

Label Greek

Value <http://publications.europa.eu/resource/authority/language/ELL>

5.1.31 Language - Greenlandic

Label Greenlandic

Value <http://publications.europa.eu/resource/authority/language/KAL>

5.1.32 Language - Hebrew

Label Hebrew

Value <http://publications.europa.eu/resource/authority/language/HEB>

5.1.33 Language - Hindi

Label Hindi

Value <http://publications.europa.eu/resource/authority/language/HIN>

5.1.34 Language - Hungarian

Label Hungarian

Value <http://publications.europa.eu/resource/authority/language/HUN>

[/language/HUN](#)

5.1.35 Language - Icelandic

Label Icelandic

Value <http://publications.europa.eu/resource/authority/language/ISL>

5.1.36 Language - Indonesian

Label Indonesian

Value <http://publications.europa.eu/resource/authority/language/IND>

5.1.37 Language - Interlingua

Label Interlingua

Value <http://publications.europa.eu/resource/authority/language/INA>

5.1.38 Language - Irish

Label Irish

Value <http://publications.europa.eu/resource/authority/language/GLE>

5.1.39 Language - Italian

Label Italian

Value <http://publications.europa.eu/resource/authority/language/ITA>

5.1.40 Language - Japanese

Label Japanese

Value <http://publications.europa.eu/resource/authority/language/JPN>

5.1.41 Language - Kashubian

Label Kashubian

Value <http://publications.europa.eu/resource/authority/language/CSB>

5.1.42 Language - Kazakh

Label Kazakh

Value <http://publications.europa.eu/resource/authority/language/KAZ>

5.1.43 Language - Khmer

Label Khmer

Value <http://publications.europa.eu/resource/authority/language/KHM>

5.1.44 Language - Korean

Label Korean

Value <http://publications.europa.eu/resource/authority/language/KOR>

5.1.45 Language - Kurdish

Label Kurdish

Value <http://publications.europa.eu/resource/authority/language/KUR>

5.1.46 Language - Kyrgyz

Label Kyrgyz

Value <http://publications.europa.eu/resource/authority/language/KIR>

5.1.47 Language - Lao

Label Lao

Value <http://publications.europa.eu/resource/authority/language/LAO>

5.1.48 Language - Latin

Label Latin

Value <http://publications.europa.eu/resource/authority/language/LAT>

[/language/LAT](#)

5.1.49 Language - Latvian

Label Latvian

Value <http://publications.europa.eu/resource/authority/language/LAV>

5.1.50 Language - Lithuanian

Label Lithuanian

Value <http://publications.europa.eu/resource/authority/language/LIT>

5.1.51 Language - Luxembourgish

Label Luxembourgish

Value <http://publications.europa.eu/resource/authority/language/LTZ>

5.1.52 Language - Macedonian

Label Macedonian

Value <http://publications.europa.eu/resource/authority/language/MKD>

5.1.53 Language - Malagasy

Label Malagasy

Value <http://publications.europa.eu/resource/authority/language/MLG>

5.1.54 Language - Malay

Label Malay

Value <http://publications.europa.eu/resource/authority/language/MSA>

5.1.55 Language - Maltese

Label Maltese

Value <http://publications.europa.eu/resource/authority/language/MLT>

5.1.56 Language - Minangkabau

Label Minangkabau

Value <http://publications.europa.eu/resource/authority/language/MIN>

5.1.57 Language - Moldavian

Label Moldavian

Value <http://publications.europa.eu/resource/authority/language/MOL>

5.1.58 Language - Mongolian

Label Mongolian

Value <http://publications.europa.eu/resource/authority/language/MON>

5.1.59 Language - Montenegrin

Label Montenegrin

Value <http://publications.europa.eu/resource/authority/language/OE0>

5.1.60 Language - Nepali

Label Nepali

Value <http://publications.europa.eu/resource/authority/language/NEP>

5.1.61 Language - Northern Sami

Label Northern Sami

Value <http://publications.europa.eu/resource/authority/language/SME>

5.1.62 Language - Norwegian

Label Norwegian

Value <http://publications.europa.eu/resource/authority/language/NOR>

[/language/NOR](#)

5.1.63 Language - Occitan

Label Occitan

Value [http://publications.europa.eu/resource/authority
/language/OCI](http://publications.europa.eu/resource/authority/language/OCI)

5.1.64 Language - Ossetian

Label Ossetian

Value [http://publications.europa.eu/resource/authority
/language/OSS](http://publications.europa.eu/resource/authority/language/OSS)

5.1.65 Language - Persian

Label Persian

Value [http://publications.europa.eu/resource/authority
/language/FAS](http://publications.europa.eu/resource/authority/language/FAS)

5.1.66 Language - Polish

Label Polish

Value [http://publications.europa.eu/resource/authority
/language/POL](http://publications.europa.eu/resource/authority/language/POL)

5.1.67 Language - Portuguese

Label Portuguese

Value <http://publications.europa.eu/resource/authority/language/POR>

5.1.68 Language - Romani

Label Romani

Value <http://publications.europa.eu/resource/authority/language/ROM>

5.1.69 Language - Romanian

Label Romanian

Value <http://publications.europa.eu/resource/authority/language/RON>

5.1.70 Language - Romansh

Label Romansh

Value <http://publications.europa.eu/resource/authority/language/ROH>

5.1.71 Language - Russian

Label Russian

Value <http://publications.europa.eu/resource/authority/language/RUS>

5.1.72 Language - Scottish Gaelic

Label Scottish Gaelic

Value <http://publications.europa.eu/resource/authority/language/GLA>

5.1.73 Language - Serbian

Label Serbian

Value <http://publications.europa.eu/resource/authority/language/SRP>

5.1.74 Language - Serbo-Croatian

Label Serbo-Croatian

Value <http://publications.europa.eu/resource/authority/language/HBS>

5.1.75 Language - Sinhala

Label Sinhala

Value <http://publications.europa.eu/resource/authority/language/SIN>

5.1.76 Language - Slovak

Label Slovak

Value <http://publications.europa.eu/resource/authority>

[/language/SLK](#)

5.1.77 Language - Slovenian

Label Slovenian

Value [http://publications.europa.eu/resource/authority
/language/SLV](http://publications.europa.eu/resource/authority/language/SLV)

5.1.78 Language - Spanish

Label Spanish

Value [http://publications.europa.eu/resource/authority
/language/SPA](http://publications.europa.eu/resource/authority/language/SPA)

5.1.79 Language - Swahili

Label Swahili

Value [http://publications.europa.eu/resource/authority
/language/SWA](http://publications.europa.eu/resource/authority/language/SWA)

5.1.80 Language - Swedish

Label Swedish

Value [http://publications.europa.eu/resource/authority
/language/SWE](http://publications.europa.eu/resource/authority/language/SWE)

5.1.81 Language - Tajiks

Label Tajiks

Value <http://publications.europa.eu/resource/authority/language/TGK>

5.1.82 Language - Tamil

Label Tamil

Value <http://publications.europa.eu/resource/authority/language/TAM>

5.1.83 Language - Thai

Label Thai

Value <http://publications.europa.eu/resource/authority/language/THA>

5.1.84 Language - Tibetan

Label Tibetan

Value <http://publications.europa.eu/resource/authority/language/BOD>

5.1.85 Language - Turkish

Label Turkish

Value <http://publications.europa.eu/resource/authority/language/TUR>

5.1.86 Language - Turkmen

Label Turkmen

Value <http://publications.europa.eu/resource/authority/language/TUK>

5.1.87 Language - Ukrainian

Label Ukrainian

Value <http://publications.europa.eu/resource/authority/language/UKR>

5.1.88 Language - Urdu

Label Urdu

Value <http://publications.europa.eu/resource/authority/language/URD>

5.1.89 Language - Uzbek

Label Uzbek

Value <http://publications.europa.eu/resource/authority/language/UZB>

5.1.90 Language - Valencian

Label Valencian

Value <http://publications.europa.eu/resource/authority/language/VAL>

[/language/OD0](#)

5.1.91 Language - Vietnamese

Label Vietnamese

Value <http://publications.europa.eu/resource/authority/language/VIE>

5.1.92 Language - Walloon

Label Walloon

Value <http://publications.europa.eu/resource/authority/language/WLN>

5.1.93 Language - Welsh

Label Welsh

Value <http://publications.europa.eu/resource/authority/language/CYM>

5.1.94 Language - Yiddish

Label Yiddish

Value <http://publications.europa.eu/resource/authority/language/YID>

5.1.95 Language - Zulu

Label Zulu

Value <http://publications.europa.eu/resource/authority/language/ZUL>

5.2 Theme taxonomy

Label	Value
Data Theme Vocabulary	http://publications.europa.eu/resource/authority/data-theme

5.2.1 Theme taxonomy - Data Theme Vocabulary

Label Data Theme Vocabulary

Value <http://publications.europa.eu/resource/authority/data-theme>

Description MDR Data Themes Named Authority List

5.3 Category

Label	Value
Agriculture, fisheries, forestry and food	http://publications.europa.eu/resource/authority/data-theme/AGRI
Economy and finance	http://publications.europa.eu/resource/authority/data-theme/ECON
Education, culture and sport	http://publications.europa.eu/resource/authority/data-theme/EDUC
Energy	http://publications.europa.eu/resource/authority/data-theme/ENER

Label	Value
<u>Environment</u>	http://publications.europa.eu/resource/authority/data-theme/ENVI
<u>Government and public sector</u>	http://publications.europa.eu/resource/authority/data-theme/GOVE
<u>Health</u>	http://publications.europa.eu/resource/authority/data-theme/HEAL
<u>International issues</u>	http://publications.europa.eu/resource/authority/data-theme/INTR
<u>Justice, legal system and public safety</u>	http://publications.europa.eu/resource/authority/data-theme/JUST
<u>Population and society</u>	http://publications.europa.eu/resource/authority/data-theme/SOCI
<u>Regions and cities</u>	http://publications.europa.eu/resource/authority/data-theme/REGI
<u>Science and technology</u>	http://publications.europa.eu/resource/authority/data-theme/TECH
<u>Transport</u>	http://publications.europa.eu/resource/authority/data-theme/TRAN

5.3.1 Category - Agriculture, fisheries, forestry and food

<i>Label</i>	Agriculture, fisheries, forestry and food
<i>Value</i>	http://publications.europa.eu/resource/authority/data-theme/AGRI

5.3.2 Category - Economy and finance

<i>Label</i>	Economy and finance
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<i>Value</i>	<u>http://publications.europa.eu/resource/authority/data-theme/ECON</u>
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5.3.3 Category - Education, culture and sport

<i>Label</i>	Education, culture and sport
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<i>Value</i>	<u>http://publications.europa.eu/resource/authority/data-theme/EDUC</u>
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5.3.4 Category - Energy

<i>Label</i>	Energy
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<i>Value</i>	<u>http://publications.europa.eu/resource/authority/data-theme/ENER</u>
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5.3.5 Category - Environment

<i>Label</i>	Environment
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<i>Value</i>	<u>http://publications.europa.eu/resource/authority/data-theme/ENVI</u>
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5.3.6 Category - Government and public sector

<i>Label</i>	Government and public sector
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<i>Value</i>	<u>http://publications.europa.eu/resource/authority/data-theme/GOVE</u>
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5.3.7 Category - Health

Label Health

Value <http://publications.europa.eu/resource/authority/data-theme/HEAL>

5.3.8 Category - International issues

Label International issues

Value <http://publications.europa.eu/resource/authority/data-theme/INTR>

5.3.9 Category - Justice, legal system and public safety

Label Justice, legal system and public safety

Value <http://publications.europa.eu/resource/authority/data-theme/JUST>

5.3.10 Category - Population and society

Label Population and society

Value <http://publications.europa.eu/resource/authority/data-theme/SOCI>

5.3.11 Category - Regions and cities

Label Regions and cities

Value <http://publications.europa.eu/resource/authority/data-theme/REGI>

5.3.12 Category - Science and technology

<i>Label</i>	Science and technology
<i>Value</i>	http://publications.europa.eu/resource/authority/data-theme/TECH

5.3.13 Category - Transport

<i>Label</i>	Transport
<i>Value</i>	http://publications.europa.eu/resource/authority/data-theme/TRAN

5.4 Frequency of update

Label	Value
<u>annual</u>	http://publications.europa.eu/resource/authority/frequency/ANNUAL
<u>biennial</u>	http://publications.europa.eu/resource/authority/frequency/BIENNIAL
<u>bimonthly</u>	http://publications.europa.eu/resource/authority/frequency/BIMONTHLY
<u>biweekly</u>	http://publications.europa.eu/resource/authority/frequency/BIWEEKLY
<u>continuous</u>	http://publications.europa.eu/resource/authority/frequency/CONT
<u>continuously updated</u>	http://publications.europa.eu/resource/authority/frequency/UPDATE_CONT
<u>daily</u>	http://publications.europa.eu/resource/authority/frequency/DAILY

Label	Value
<u>irregular</u>	http://publications.europa.eu/resource/authority/frequency/IRREG
<u>monthly</u>	http://publications.europa.eu/resource/authority/frequency/MONTHLY
<u>other</u>	http://publications.europa.eu/resource/authority/frequency/OTHER
<u>quarterly</u>	http://publications.europa.eu/resource/authority/frequency/QUARTERLY
<u>semiannual</u>	http://publications.europa.eu/resource/authority/frequency/ANNUAL_2
<u>semimonthly</u>	http://publications.europa.eu/resource/authority/frequency/MONTHLY_2
<u>semiweekly</u>	http://publications.europa.eu/resource/authority/frequency/WEEKLY_2
<u>three times a month</u>	http://publications.europa.eu/resource/authority/frequency/MONTHLY_3
<u>three times a week</u>	http://publications.europa.eu/resource/authority/frequency/WEEKLY_3
<u>three times a year</u>	http://publications.europa.eu/resource/authority/frequency/ANNUAL_3
<u>triennial</u>	http://publications.europa.eu/resource/authority/frequency/TRIENNIAL
<u>twice a day</u>	http://publications.europa.eu/resource/authority/frequency/DAILY_2
<u>unknown</u>	http://publications.europa.eu/resource/authority/frequency/UNKNOWN
<u>weekly</u>	http://publications.europa.eu/resource/authority/frequency/WEEKLY

5.4.1 Frequency of update - annual

Label annual

Value <http://publications.europa.eu/resource/authority/frequency/ANNUAL>

5.4.2 Frequency of update - biennial

Label biennial

Value <http://publications.europa.eu/resource/authority/frequency/BIENNIAL>

5.4.3 Frequency of update - bimonthly

Label bimonthly

Value <http://publications.europa.eu/resource/authority/frequency/BIMONTHLY>

5.4.4 Frequency of update - biweekly

Label biweekly

Value <http://publications.europa.eu/resource/authority/frequency/BIWEEKLY>

5.4.5 Frequency of update - continuous

Label continuous

Value <http://publications.europa.eu/resource/authority>

[/frequency/CONT](#)

5.4.6 Frequency of update - continuously updated

Label continuously updated

Value http://publications.europa.eu/resource/authority/frequency/UPDATE_CONT

5.4.7 Frequency of update - daily

Label daily

Value <http://publications.europa.eu/resource/authority/frequency/DAILY>

5.4.8 Frequency of update - irregular

Label irregular

Value <http://publications.europa.eu/resource/authority/frequency/IRREG>

5.4.9 Frequency of update - monthly

Label monthly

Value <http://publications.europa.eu/resource/authority/frequency/MONTHLY>

5.4.10 Frequency of update - other

Label other

Value <http://publications.europa.eu/resource/authority/frequency/OTHER>

5.4.11 Frequency of update - quarterly

Label quarterly

Value <http://publications.europa.eu/resource/authority/frequency/QUARTERLY>

5.4.12 Frequency of update - semiannual

Label semiannual

Value http://publications.europa.eu/resource/authority/frequency/ANNUAL_2

5.4.13 Frequency of update - semimonthly

Label semimonthly

Value http://publications.europa.eu/resource/authority/frequency/MONTHLY_2

5.4.14 Frequency of update - semiweekly

Label semiweekly

Value http://publications.europa.eu/resource/authority/frequency/WEEKLY_2

5.4.15 Frequency of update - three times a month

Label three times a month

Value http://publications.europa.eu/resource/authority/frequency/MONTHLY_3

5.4.16 Frequency of update - three times a week

Label three times a week

Value http://publications.europa.eu/resource/authority/frequency/WEEKLY_3

5.4.17 Frequency of update - three times a year

Label three times a year

Value http://publications.europa.eu/resource/authority/frequency/ANNUAL_3

5.4.18 Frequency of update - triennial

Label triennial

Value <http://publications.europa.eu/resource/authority/frequency/TRIENNIAL>

5.4.19 Frequency of update - twice a day

Label twice a day

Value <http://publications.europa.eu/resource/authority/frequency>

5.4.20 Frequency of update - unknown

Label unknown

Value <http://publications.europa.eu/resource/authority/frequency/UNKNOWN>

5.4.21 Frequency of update - weekly

Label weekly

Value <http://publications.europa.eu/resource/authority/frequency/WEEKLY>

5.5 Access rights

Label	Value
<u>Non-public</u>	http://publications.europa.eu/resource/authority/access-right/NON_PUBLIC
<u>Public</u>	http://publications.europa.eu/resource/authority/access-right/PUBLIC
<u>Restricted</u>	http://publications.europa.eu/resource/authority/access-right/RESTRICTED

5.5.1 Access rights - Non-public

Label Non-public

<i>Value</i>	http://publications.europa.eu/resource/authority/access-right/NON_PUBLIC
<i>Description</i>	Not publicly accessible for privacy, security or other reasons. Usage note: This category may include resources that contain sensitive or personal information.

5.5.2 Access rights - Public

<i>Label</i>	Public
<i>Value</i>	http://publications.europa.eu/resource/authority/access-right/PUBLIC
<i>Description</i>	Publicly accessible by everyone. Usage note: Permissible obstacles include registration and request for API keys, as long as anyone can request such registration and/or API keys.

5.5.3 Access rights - Restricted

<i>Label</i>	Restricted
<i>Value</i>	http://publications.europa.eu/resource/authority/access-right/RESTRICTED
<i>Description</i>	Only available under certain conditions. Usage note: This category may include resources that require payment, resources shared under non-disclosure agreements, resources for which the publisher or owner has not yet decided if they can be publicly released.

5.6 Common mediatypes

Label	Value
--------------	--------------

Label	Value
<u>CSV (.csv)</u>	text/csv
<u>CSV (.csv) in a zip</u>	text/csv+zip
<u>HTML (.html)</u>	text/html
<u>JSON (.json)</u>	application/json
<u>JSON (.json) in a zip</u>	application/json+zip
<u>Microsoft Excel (.xls)</u>	application/vnd.ms-excel
<u>Microsoft Excel XML (.xlsx)</u>	application/vnd.openxmlformats-officedocument.spreadsheetml.sheet
<u>OpenDocument Spreadsheet (.ods)</u>	application/vnd.oasis.opendocument.spreadsheet
<u>PDF (.pdf)</u>	application/pdf
<u>RDF as N-Triples (.n3)</u>	application/n-triples
<u>RDF as Turtle (.ttl)</u>	text/turtle
<u>RDF query (SPARQL)</u>	application/sparql-query
<u>RDF/XML (.rdf)</u>	application/rdf+xml
<u>Text (.txt)</u>	text/plain
<u>XML (.xml)</u>	application/xml
<u>XML (.xml) in a zip</u>	application/xml+zip
<u>ZIP (.zip)</u>	application/zip

5.6.1 Common mediatypes - CSV (.csv)

<i>Label</i>	CSV (.csv)
<i>Value</i>	text/csv
<i>Description</i>	CSV is a simple spreadsheet format where rows are separated by newlines and columns by commas, semicolon or some other special character.

5.6.2 Common mediatypes - CSV (.csv) in a zip

<i>Label</i>	CSV (.csv) in a zip
<i>Value</i>	text/csv+zip
<i>Description</i>	A zip file containing CSV files.

5.6.3 Common mediatypes - HTML (.html)

<i>Label</i>	HTML (.html)
<i>Value</i>	text/html
<i>Description</i>	HTML or HyperText Markup Language is the standard markup language used to create web pages.

5.6.4 Common mediatypes - JSON (.json)

<i>Label</i>	JSON (.json)
<i>Value</i>	application/json
<i>Description</i>	JSON or JavaScript Object Notation, is an open standard format that uses human-readable text to transmit data objects consisting of attribute-value pairs. It is used

primarily to transmit data between a server and web application, as an alternative to XML.

5.6.5 Common mediatypes - JSON (.json) in a zip

<i>Label</i>	JSON (.json) in a zip
<i>Value</i>	application/json+zip
<i>Description</i>	A zip file containing JSON files.

5.6.6 Common mediatypes - Microsoft Excel (.xls)

<i>Label</i>	Microsoft Excel (.xls)
<i>Value</i>	application/vnd.ms-excel
<i>Description</i>	Microsoft Excel (.xls) is a proprietary, non-standardized, spreadsheet file format created by the Microsoft Corporation.

5.6.7 Common mediatypes - Microsoft Excel XML (.xlsx)

<i>Label</i>	Microsoft Excel XML (.xlsx)
<i>Value</i>	application/vnd.openxmlformats-officedocument.spreadsheetml.sheet
<i>Description</i>	Office Open XML Spreadsheet is a zipped, XML-based file format developed by Microsoft, standardized in ECMA-376 and later in ISO/IEC 29500.

5.6.8 Common mediatypes - OpenDocument Spreadsheet (.ods)

<i>Label</i>	OpenDocument Spreadsheet (.ods)
<i>Value</i>	application/vnd.oasis.opendocument.spreadsheet
<i>Description</i>	The Open Document Format for spreadsheets is an XML based format standardized first by OASIS and later by ISO/IEC: ISO/IEC 26300:2006/Amd 1:2012 — Open Document Format for Office Applications (OpenDocument) v1.1.

5.6.9 Common mediatypes - PDF (.pdf)

<i>Label</i>	PDF (.pdf)
<i>Value</i>	application/pdf
<i>Description</i>	Portable Document Format (PDF) is a file format used to present documents encapsulating a complete description of a fixed-layout flat document, including the text, fonts, graphics, and other information needed to display it.

5.6.10 Common mediatypes - RDF as N-Triples (.n3)

<i>Label</i>	RDF as N-Triples (.n3)
<i>Value</i>	application/n-triples
<i>Description</i>	A line-based syntax for an RDF graph.

5.6.11 Common mediatypes - RDF as Turtle (.ttl)

<i>Label</i>	RDF as Turtle (.ttl)
<i>Value</i>	text/turtle

Description Turtle is a syntax for RDF that allows an RDF graph to be completely written in a compact and natural text form, with abbreviations for common usage patterns and datatypes.

5.6.12 Common mediatypes - RDF query (SPARQL)

<i>Label</i>	RDF query (SPARQL)
<i>Value</i>	application/sparql-query
<i>Description</i>	SPARQL (pronounced "sparkle", an acronym for SPARQL Protocol and RDF Query Language) is an RDF query language, that is, a query language for databases, able to retrieve and manipulate data stored in Resource Description Framework format.

5.6.13 Common mediatypes - RDF/XML (.rdf)

<i>Label</i>	RDF/XML (.rdf)
<i>Value</i>	application/rdf+xml
<i>Description</i>	This is an XML syntax for RDF as introduced in the RDF/XML Syntax Specification by W3C in 2004.

5.6.14 Common mediatypes - Text (.txt)

<i>Label</i>	Text (.txt)
<i>Value</i>	text/plain
<i>Description</i>	Plain text file.

5.6.15 Common mediatypes - XML (.xml)

<i>Label</i>	XML (.xml)
<i>Value</i>	application/xml
<i>Description</i>	Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. It is defined in the XML 1.0 Specification produced by the W3C.

5.6.16 Common mediatypes - XML (.xml) in a zip

<i>Label</i>	XML (.xml) in a zip
<i>Value</i>	application/xml+zip
<i>Description</i>	A zip file containing XML files.

5.6.17 Common mediatypes - ZIP (.zip)

<i>Label</i>	ZIP (.zip)
<i>Value</i>	application/zip
<i>Description</i>	.ZIP is an archive file format that supports lossless data compression.

5.7 Geographical mediatypes

Label	Value
<u>WCS service</u>	application/vnd.ogc.wcs_xml
<u>WFS service</u>	application/vnd.ogc.wfs_xml
<u>WMS service</u>	application/vnd.ogc.wms_xml

Label	Value
<u>WMTS service</u>	application/vnd.ogc.wmts_xml
<u>geopackage+sqlite3</u>	application/geopackage+sqlite3
<u>gml+xml</u>	application/gml+xml
<u>jp2</u>	image/jp2
<u>tiff</u>	image/tiff
<u>vnd.google-earth.kml+xml</u>	application/vnd.google-earth.kml+xml
<u>vnd.google-earth.kmz</u>	application/vnd.google-earth.kmz
<u>vnd.sqlite3</u>	application/vnd.sqlite3
<u>x-ascii-grid</u>	application/x-ascii-grid
<u>x-ecw</u>	application/x-ecw
<u>x-filegdb</u>	application/x-filegdb
<u>x-gmz</u>	application/x-gmz
<u>x-las</u>	application/x-las
<u>x-laz</u>	application/x-laz
<u>x-oracledump</u>	application/x-oracledump
<u>x-shapefile</u>	application/x-shapefile
<u>x-tab</u>	application/x-tab
<u>x-tab-raster</u>	application/x-tab-raster
<u>x-worldfile</u>	application/x-worldfile

5.7.1 Geographical mediatypes - WCS service

<i>Label</i>	WCS service
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<i>Value</i>	application/vnd.ogc.wcs_xml
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5.7.2 Geographical mediatypes - WFS service

<i>Label</i>	WFS service
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<i>Value</i>	application/vnd.ogc.wfs_xml
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5.7.3 Geographical mediatypes - WMS service

<i>Label</i>	WMS service
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<i>Value</i>	application/vnd.ogc.wms_xml
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5.7.4 Geographical mediatypes - WMTS service

<i>Label</i>	WMTS service
--------------	--------------

<i>Value</i>	application/vnd.ogc.wmts_xml
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5.7.5 Geographical mediatypes - geopackage+sqlite3

<i>Label</i>	geopackage+sqlite3
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<i>Value</i>	application/geopackage+sqlite3
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5.7.6 Geographical mediatypes - gml+xml

<i>Label</i>	gml+xml
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<i>Value</i>	application/gml+xml
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5.7.7 Geographical mediatypes - jp2

<i>Label</i>	jp2
<i>Value</i>	image/jp2

5.7.8 Geographical mediatypes - tiff

<i>Label</i>	tiff
<i>Value</i>	image/tiff

5.7.9 Geographical mediatypes - vnd.google-earth.kml+xml

<i>Label</i>	vnd.google-earth.kml+xml
<i>Value</i>	application/vnd.google-earth.kml+xml

5.7.10 Geographical mediatypes - vnd.google-earth.kmz

<i>Label</i>	vnd.google-earth.kmz
<i>Value</i>	application/vnd.google-earth.kmz

5.7.11 Geographical mediatypes - vnd.sqlite3

<i>Label</i>	vnd.sqlite3
<i>Value</i>	application/vnd.sqlite3

5.7.12 Geographical mediatypes - x-ascii-grid

<i>Label</i>	x-ascii-grid
<i>Value</i>	application/x-ascii-grid
<i>Description</i>	The media type shall be used for ASCII GRID files.

5.7.13 Geographical mediatypes - x-ecw

<i>Label</i>	x-ecw
<i>Value</i>	application/x-ecw
<i>Description</i>	The media type shall be used for Enhanced Compressed Wavelet (ECW) files.

5.7.14 Geographical mediatypes - x-filegdb

<i>Label</i>	x-filegdb
<i>Value</i>	application/x-filegdb
<i>Description</i>	The media type shall be used for Esri file geodatabases. The file is a zip archive that contains the gdb directory.

5.7.15 Geographical mediatypes - x-gmz

<i>Label</i>	x-gmz
<i>Value</i>	application/x-gmz
<i>Description</i>	The media type shall be used for a zip archive that contains one or more GML documents.

5.7.16 Geographical mediatypes - x-las

<i>Label</i>	x-las
<i>Value</i>	application/x-las
<i>Description</i>	The media type shall be used for the LASer file format (LAS).

5.7.17 Geographical mediatypes - x-laz

<i>Label</i>	x-laz
<i>Value</i>	application/x-laz
<i>Description</i>	The media type shall be used for compressed LAS files.

5.7.18 Geographical mediatypes - x-oracledump

<i>Label</i>	x-oracledump
<i>Value</i>	application/x-oracledump
<i>Description</i>	The media type shall be used for Oracle dumps.

5.7.19 Geographical mediatypes - x-shapefile

<i>Label</i>	x-shapefile
<i>Value</i>	application/x-shapefile
<i>Description</i>	The media type shall be used for Esri shapefiles. The file is a zip archive that contains at least the shp, shx and dbf files.

5.7.20 Geographical mediatypes - x-tab

<i>Label</i>	x-tab
<i>Value</i>	application/x-tab
<i>Description</i>	The media type shall be used for the MapInfo TAB format. The file is a zip archive that contains at least the tab, dat, map and id files.

5.7.21 Geographical mediatypes - x-tab-raster

<i>Label</i>	x-tab-raster
<i>Value</i>	application/x-tab-raster
<i>Description</i>	The media type shall be used for the MapInfo Raster TAB format.

5.7.22 Geographical mediatypes - x-worldfile

<i>Label</i>	x-worldfile
<i>Value</i>	application/x-worldfile
<i>Description</i>	The media type shall be used for world files. The file extension usually depends on the format of the associated image, e.g. .jgw for JPEG (2000) or .tfw for TIFF.

5.8 Status

Label	Value
<u>Completed</u>	http://purl.org/adms/status/Completed
<u>Deprecated</u>	http://purl.org/adms/status/Deprecated
<u>Under development</u>	http://purl.org/adms/status/UnderDevelopment

Label	Value
<u>Withdrawn</u>	http://purl.org/adms/status/Withdrawn

5.8.1 Status - Completed

<i>Label</i>	Completed
<i>Value</i>	http://purl.org/adms/status/Completed

5.8.2 Status - Deprecated

<i>Label</i>	Deprecated
<i>Value</i>	http://purl.org/adms/status/Deprecated

5.8.3 Status - Under development

<i>Label</i>	Under development
<i>Value</i>	http://purl.org/adms/status/UnderDevelopment

5.8.4 Status - Withdrawn

<i>Label</i>	Withdrawn
<i>Value</i>	http://purl.org/adms/status/Withdrawn

5.9 Availability

Label	Value
<u>Available</u>	dcatap:availability/available

Label	Value
<u>Experimental</u>	dcatap:availability/experimental
<u>Stable</u>	dcatap:availability/stable
<u>Temporary</u>	dcatap:availability/temporary

5.9.1 Availability - Available

<i>Label</i>	Available
<i>Value</i>	<u>http://data.europa.eu/r5r/availability/available</u>
<i>Description</i>	Data is available for a few years, medium term planning.

5.9.2 Availability - Experimental

<i>Label</i>	Experimental
<i>Value</i>	<u>http://data.europa.eu/r5r/availability/experimental</u>
<i>Description</i>	Data is available for a few years, short term planning.

5.9.3 Availability - Stable

<i>Label</i>	Stable
<i>Value</i>	<u>http://data.europa.eu/r5r/availability/stable</u>
<i>Description</i>	Data will remain available in the long term.

5.9.4 Availability - Temporary

<i>Label</i>	Temporary
--------------	-----------

Value <http://data.europa.eu/r5r/availability/temporary>

Description Data can disappear at any time, no planning.

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<u>CC BY-NC 4.0 (Attribution, Non-Commercial)</u>	http://creativecommons.org/licenses/by-nc/4.0/
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5.11 Architectural style

Label	Value
<u>REST</u>	http://www.wikidata.org/entity/Q749568
<u>RPC</u>	http://www.wikidata.org/entity/Q62270

5.11.1 Architectural style - REST

<i>Label</i>	REST
<i>Value</i>	http://www.wikidata.org/entity/Q749568
<i>Description</i>	RESTful services makes use of different URIs (resources) and the stateless operations provided in the HTTP protocol, e.g. GET, PUT, POST and DELETE to access and manipulate data.

5.11.2 Architectural style - RPC

<i>Label</i>	RPC
<i>Value</i>	http://www.wikidata.org/entity/Q62270
<i>Description</i>	RPC services (Remote Procedure Call) implements a client-service message passing model allowing different procedures to be called from a single endpoint. RPC services can be divided into categories based on which protocol they use, the most common categories are XML-RPC, JSON-RPC, SOAP, and gRPC.

5.12 Type

Label	Value
<u>Academia/Scientific organisation</u>	http://purl.org/adms/publishertype/Academia-ScientificOrganisation
<u>Company</u>	http://purl.org/adms/publishertype/Company
<u>Industry consortium</u>	http://purl.org/adms/publishertype/IndustryConsortium
<u>Local Authority</u>	http://purl.org/adms/publishertype/LocalAuthority
<u>National authority</u>	http://purl.org/adms/publishertype/NationalAuthority
<u>Non-Governmental Organisation</u>	http://purl.org/adms/publishertype/NonGovernmentalOrganisation
<u>Non-Profit Organisation</u>	http://purl.org/adms/publishertype/NonProfitOrganisation
<u>Private Individual(s)</u>	http://purl.org/adms/publishertype/PrivateIndividual(s)

Label	Value
<u>Regional authority</u>	http://purl.org/adms/publishertype/RegionalAuthority
<u>Standardisation body</u>	http://purl.org/adms/publishertype/StandardisationBody
<u>Supra-national authority</u>	http://purl.org/adms/publishertype/SupraNationalAuthority

5.12.1 Type - Academia/Scientific organisation

<i>Label</i>	Academia/Scientific organisation
<i>Value</i>	http://purl.org/adms/publishertype/Academia-ScientificOrganisation

5.12.2 Type - Company

<i>Label</i>	Company
<i>Value</i>	http://purl.org/adms/publishertype/Company

5.12.3 Type - Industry consortium

<i>Label</i>	Industry consortium
<i>Value</i>	http://purl.org/adms/publishertype/IndustryConsortium

5.12.4 Type - Local Authority

<i>Label</i>	Local Authority
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Value <http://purl.org/adms/publishertype/LocalAuthority>

5.12.5 Type - National authority

Label National authority

Value <http://purl.org/adms/publishertype/NationalAuthority>

5.12.6 Type - Non-Governmental Organisation

Label Non-Governmental Organisation

Value <http://purl.org/adms/publishertype/NonGovernmentalOrganisation>

5.12.7 Type - Non-Profit Organisation

Label Non-Profit Organisation

Value <http://purl.org/adms/publishertype/NonProfitOrganisation>

5.12.8 Type - Private Individual(s)

Label Private Individual(s)

Value [http://purl.org/adms/publishertype/PrivateIndividual\(s\)](http://purl.org/adms/publishertype/PrivateIndividual(s))

5.12.9 Type - Regional authority

Label Regional authority

Value <http://purl.org/adms/publishertype/RegionalAuthority>

5.12.10 Type - Standardisation body

Label Standardisation body

Value <http://purl.org/adms/publishertype/StandardisationBody>

5.12.11 Type - Supra-national authority

Label Supra-national authority

Value <http://purl.org/adms/publishertype/SupraNationalAuthority>

5.13 Kind

Label	Value
<u>Individual</u>	vcard:Individual
<u>Organization</u>	vcard:Organization

5.13.1 Kind - Individual

Label Individual

Value <http://www.w3.org/2006/vcard/ns#Individual>

Description The contactpoint corresponds to an individual.

5.13.2 Kind - Organization

<i>Label</i>	Organization
<i>Value</i>	http://www.w3.org/2006/vcard/ns#Organization
<i>Description</i>	The contactpoint corresponds to an organization. An organization is a single entity, and might represent a business or government, a department or division within a business or government, a club, an association, or the like.

5.14 Role

Label	Value
<u>Author</u>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/author
<u>Custodian</u>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/custodian
<u>Distributor</u>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/distributor
<u>Owner</u>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/owner
<u>Principal Investigator</u>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/principalInvestigator
<u>Processor</u>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/processor
<u>Resource Provider</u>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/resourceProvider
<u>User</u>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/user

5.14.1 Role - Author

<i>Label</i>	Author
<i>Value</i>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/author
<i>Description</i>	Party who authored the resource.

5.14.2 Role - Custodian

<i>Label</i>	Custodian
<i>Value</i>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/custodian
<i>Description</i>	Party that accepts accountability and responsibility for the data and ensures appropriate care and maintenance of the resource.

5.14.3 Role - Distributor

<i>Label</i>	Distributor
<i>Value</i>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/distributor
<i>Description</i>	Party who distributes the resource.

5.14.4 Role - Owner

<i>Label</i>	Owner
<i>Value</i>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/owner
<i>Description</i>	Party that owns the resource.

5.14.5 Role - Principal Investigator

<i>Label</i>	Principal Investigator
<i>Value</i>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/principalInvestigator
<i>Description</i>	Key party responsible for gathering information and conducting research.

5.14.6 Role - Processor

<i>Label</i>	Processor
<i>Value</i>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/processor
<i>Description</i>	Party who has processed the data in a manner such that the resource has been modified.

5.14.7 Role - Resource Provider

<i>Label</i>	Resource Provider
<i>Value</i>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/resourceProvider
<i>Description</i>	Party that supplies the resource.

5.14.8 Role - User

<i>Label</i>	User
<i>Value</i>	http://inspire.ec.europa.eu/metadata-codelist/ResponsiblePartyRole/user

Description Party who uses the resource.

5.15 Algorithm

Label	Value
<u>SHA-1</u>	spdx:checksumAlgorithm_sha1

5.15.1 Algorithm - SHA-1

<i>Label</i>	SHA-1
<i>Value</i>	http://spdx.org/rdf/terms#checksumAlgorithm_sha1