1. src-ap-vb3.xmi

euvoc:XlNotation

A notation is a string of characters used to uniquely identify a concept within a specified context. Like the skosxl:Label class reifies SKOS label statements, XlNotation reifies SKOS notation statements. This class permits, if needed, to maintain the historical view of the values and add additional provenance descriptions.

Table 1. Properties

Name	Type	Cardinali	Definition
dct:created	xsd:date	0..1	Date of creation of the resource.
dct:modified	xsd:date	0..1	Date of modification of the resource.
euvoc:endDate	xsd:date	0..1	End of the validity period. If a resource has an end date then it must be marked as deprecated.
euvoc:startDate	xsd:date	0..1	Beginning of the validity period.
owl:deprecated	xsd:boolean	0..1	States whether the resource is current or deprecated. By deprecating a resource, it means that it should not be used in new documents. Deprecation is a feature commonly used in versioning software to indicate that a particular feature is preserved for backward-compatibility purposes, but may be phased out in the future.
rdf:value	xsd:Literal	1..1	The literal form of the notation.
dct:type	skos:Concept	1..1	Specify the context where a specified notation is considered unique.

euvoc:XlNote

Like the skosxl:Label class reifies SKOS label statements, XlNote reifies SKOS note statements (i.e. skos:editorialNote, skos:example, skos:historyNote, skos:definition, skos:scopeNote and skos:changeNote). This class permits, if needed, to maintain the historical view of the values and add additional provenance descriptions.

Table 2. Properties

Name	Type	Cardinali	Definition
dct:created	xsd:date	0..1	Date of creation of the resource.
dct:modified	xsd:date	0..1	Date of modification of the resource.
dct:source	rdfs:Resource	0..1	A related resource from which the described resource is derived. The described resource may be derived from the related resource in whole or in part. Recommended best practice is to identify the related resource by means of a string conforming to a formal identification system.
rdf:value	xsd:Literal	1..1	The literal form of the note.

rdfs:Resource

All things described by RDF are called resources, and are instances of the class rdfs:Resource. This is the class of everything.

rdfs:Literal

The class rdfs:Literal is the class of literal values such as strings and integers. Property values such as textual strings are examples of RDF literals.

skos:Concept

A SKOS concept can be viewed as an idea or notion; a unit of thought. However, what constitutes a unit of thought is subjective, and this definition is meant to be suggestive, rather than restrictive. The notion of a SKOS concept is useful when describing the conceptual or intellectual structure of a knowledge organization system, and when referring to specific ideas or meanings established within a KOS. Note that, because SKOS is designed to be a vehicle for representing semi-formal KOS, such as thesauri and classification schemes, a certain amount of flexibility has been built in to the formal definition of this class.

Table 3. Properties

Name	Type	Cardinali	Definition
dct:created	xsd:date	0..1	Date of creation of the resource.
dct:modified	xsd:date	0..1	Date of modification of the resource.
euvoc:endDate	xsd:date	0..1	End of the validity period. If a resource has an end date then it must be marked as deprecated.
euvoc:startDate	xsd:date	0..1	Beginning of the validity period.
lemon:context	rdfs:Resource	1..1	Denotes the pragmatic, discursive or technical context of a concept or a constraint on the concept properties.
owl:deprecated	xsd:boolean	0..1	States whether the resource is current or deprecated. By deprecating a resource, it means that it should not be used in new documents. Deprecation is a feature commonly used in versioning software to indicate that a particular feature is preserved for backward-compatibility purposes, but may be phased out in the future.
owl:versionInfo	rdfs:Literal	0..1	An owl:versionInfo statement generally has as its object a string giving information about this version. This statement does not contribute to the logical meaning of the resource.
skos:inScheme	skos:ConceptScheme	1..*	A concept scheme in which the concept is included. A concept may be a member of more than one concept scheme.
skos:definition	euvoc:XlNote	0..*	A statement or formal explanation of the meaning of a concept.
skos:historyNote	euvoc:XlNote	0..*	A note about the past state/use/meaning of a concept.
skos:broader	skos:Concept	0..*	A concept that is more general in meaning. Broader concepts are typically rendered as parents in a concept hierarchy (tree).
skos:example	euvoc:XlNote	0..*	An example of the use of a concept.

Name	Type	Cardinality	Definition
dct:isReplacedBy	skos:Concept	0..*	A related resource that supplants, displaces, or supersedes the described resource.
skosxl:altLabel	skosxl:Label	0..*	An alternative lexical label for a resource. Acronyms, abbreviations, spelling variants, and irregular plural/singular forms may be included among the alternative labels for a concept.
skosxl:hiddenLabel	skosxl:Label	0..*	A lexical label for a resource that should be hidden when generating visual displays of the resource, but should still be accessible to free text search operations. Mis-spelled terms are normally included as hidden labels.
skos:topConceptOf	skos:ConceptScheme	0..*	The property skos:hasTopConcept is, by convention, used to link a concept scheme to the SKOS concept(s) which are topmost in the hierarchical relations for that scheme.
skosxl:prefLabel	skosxl:Label	1..*	The preferred lexical label for a resource, in a given language. No two concepts in the same concept scheme may have the same preferred label in a given language.
skos:notation	euvoc:XlNotation	0..*	A notation is a string of characters such as "T58.5" or "303.4833" used to uniquely identify a concept within the scope of a given concept scheme or within a specified context.
skos:related	skos:Concept	0..*	A concept with which there is an associative semantic relationship.
skos:changeNote	euvoc:XlNote	0..*	A note about a modification to a concept.
skos:editorialNote	euvoc:XlNote		A note for an editor, translator or maintainer of the vocabulary.
skos:scopeNote	euvoc:XlNote	0..*	A note that helps to clarify the meaning of a concept.
skos:broader	skos:Concept	0..*	A concept that is more general in meaning. Broader concepts are typically rendered as parents in a concept hierarchy (tree).
dct:isReplacedBy	skos:Concept	0..*	A related resource that supplants, displaces, or supersedes the described resource.
skos:related	skos:Concept	0..*	A concept with which there is an associative semantic relationship.

skos:ConceptScheme

A SKOS concept scheme can be viewed as an aggregation of one or more SKOS concepts. Semantic relationships (links) between those concepts may also be viewed as part of a concept scheme. This definition is, however, meant to be suggestive rather than restrictive, and there is some flexibility in the formal data model stated below. Thesauri, classification schemes, subject heading lists, taxonomies, 'folksonomies', and other types of controlled vocabulary are all examples of concept schemes. Concept schemes are also embedded in glossaries and terminologies.

Table 4. Properties

Name	Type	Cardinali	Definition
dct:created	xsd:date	0..1	Date of creation of the resource.
dct:identifier	rdfs:Literal	0..1	An unambiguous reference to the resource within a given context. Recommended best practice is to identify the resource by means of a string conforming to a formal identification system.
dct:modified	xsd:date	0..1	Date of modification of the resource.
owl:versionInfo	rdfs:Literal	0..1	An owl:versionInfo statement generally has as its object a string giving information about this version. This statement does not contribute to the logical meaning of the resource.
euvoc:domain	skos:Concept	0..1	Indicates the subject of the controlled vocabulary. This property has a similar function as the dct:subject and dcat:theme.
dct:isPartOf	skos:ConceptScheme	0..*	A related resource in which the described resource is physically or logically included.
skosxl:prefLabel	skosxl:Label	1..*	The preferred lexical label for a resource, in a given language. No two concepts in the same concept scheme may have the same preferred label in a given language.
dct:isPartOf	skos:ConceptScheme	0..*	A related resource in which the described resource is physically or logically included.

skosxl:Label

The class skosxl:Label is a special class of lexical entities. An instance of the class skosxl:Label is a resource and may be named with a URI. An instance of the class skosxl:Label has a single literal form. This literal form is an RDF plain literal (which is a string of UNICODE characters and an optional language tag [

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]). The property skosxl:literalForm is used to give the literal form of an skosxl:Label. If two instances of the class skosxl:Label have the same literal form, they are not necessarily the same resource.

Table 5. Properties

Name	Type	Cardinali	Definition
dct:created	xsd:date	0..1	Date of creation of the resource.
dct:modified	xsd:date	0..1	Date of modification of the resource.
euvoc:endDate	xsd:date	0..1	End of the validity period. If a resource has an end date then it must be marked as deprecated.
euvoc:startDate	xsd:date	0..1	Beginning of the validity period.
owl:deprecated	xsd:boolean	0..1	States whether the resource is current or deprecated. By deprecating a resource, it means that it should not be used in new documents.

Name	Type	Cardinali	Definition
			Deprecation is a feature commonly used in versioning software to indicate that a particular feature is preserved for backward-compatibility purposes, but may be phased out in the future.
skosxl:literalForm	rdfs:Literal	1..1	The literal form of an skosxl:Label. An instance of the class skosxl:Label has one and only one literal form.

xsd:boolean

The boolean data type is used to specify a true or false value.

xsd:date

The date data type is used to specify a date. The date is specified in the following form "YYYY-MM-DD" where:

- YYYY indicates the year

- MM indicates the month

- DD indicates the day

Note: All components are required!