

Circular Economy Ontology Network (CEON) - Location Module

Metadata

IRI

<http://w3id.org/CEON/ontology/location/>

Title

Circular Economy Ontology Network (CEON) - Location Module

Creator

Eva Blomqvist

Contributor

Huanyu Li

Mikael Lindecrantz

Robin Keskisärkkä

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Version Iri

<http://w3id.org/CEON/ontology/location/0.1/>

Version Info

0.1

Preferred Namespace Prefix

location

Preferred Namespace Uri

<http://w3id.org/CEON/ontology/location/>

Description

A module the CEON ontology network, defining aspects of the location concept.

Covers Requirements

Covers the following requirements from Onto-DESIDE D3.2: CE3-3

Classes

Location ^c	
IRI	http://w3id.org/CEON/ontology/location/Location
Sub Class Of	Geometry ^c
In Range Of	hasLocation ^{op}

Geometry^c

IRI	http://www.opengis.net/ont/geosparql#Geometry
Description	A coherent set of direct positions in space. The positions are held within a Spatial Reference System (SRS).
In Domain Of	as GML ^{dp} as GeoJSON ^{dp} as WKT ^{dp}
Super Class Of	Location ^c

Object Properties

has location^{op}

IRI	http://w3id.org/CE0N/ontology/location/hasLocation
Range	Location ^c

Datatype Properties

has city^{dp}

IRI	http://w3id.org/CE0N/ontology/location/hasCity
Range	xsd:string

has country code^{dp}

IRI	http://w3id.org/CE0N/ontology/location/hasCountryCode
Range	xsd:string

has postal code^{dp}

IRI	http://w3id.org/CE0N/ontology/location/hasPostalCode
Range	xsd:string

has street^{dp}

IRI	http://w3id.org/CE0N/ontology/location/hasStreet
Range	xsd:string

as GML^{dp}

IRI	http://www.opengis.net/ont/geosparql#asGML
Is Defined By	http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension/geometry-as-wkt-literal
Description	The GML serialization of a Geometry.
Domain	Geometry ^c
Range	geo:gmlLiteral

as GeoJSON^{dp}

IRI	http://www.opengis.net/ont/geosparql#asGeoJSON
Is Defined By	http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension/geometry-as-wkt-literal
Description	The GeoJSON serialization of a Geometry.
Domain	Geometry ^c
Range	geo:geoJSONLiteral

as WKT^{dp}

IRI	http://www.opengis.net/ont/geosparql#asWKT
Is Defined By	http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension/geometry-as-wkt-literal
Description	The WKT serialization of a Geometry.
Domain	Geometry ^c
Range	geo:wktLiteral

Annotation Properties

contributor^{ap}

IRI	http://purl.org/dc/terms/contributor
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created^{ap}

IRI	http://purl.org/dc/terms/created
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creator^{ap}

IRI	http://purl.org/dc/terms/creator
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description ^{ap}	
IRI	http://purl.org/dc/terms/description
license ^{ap}	
IRI	http://purl.org/dc/terms/license
title ^{ap}	
IRI	http://purl.org/dc/terms/title
preferred namespace prefix ^{ap}	
IRI	http://purl.org/vocab/vann/preferredNamespacePrefix
preferred namespace uri ^{ap}	
IRI	http://purl.org/vocab/vann/preferredNamespaceUri
covers requirements ^{ap}	
IRI	http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements
definition ^{ap}	
IRI	http://www.w3.org/2004/02/skos/core#definition
pref label ^{ap}	
IRI	http://www.w3.org/2004/02/skos/core#prefLabel

Namespaces

```

:
    http://w3id.org/CEON/ontology/location/
dcterm
    http://purl.org/dc/terms/
geo
    http://www.opengis.net/ont/geosparql#
odp
    http://www.ontologydesignpatterns.org/schemas/cannotationschema.owl#
owl
    http://www.w3.org/2002/07/owl#
prov
    http://www.w3.org/ns/prov#

```

rdf

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

rdfs

<http://www.w3.org/2000/01/rdf-schema#>

skos

<http://www.w3.org/2004/02/skos/core#>

vann

<http://purl.org/vocab/vann/>

xsd

<http://www.w3.org/2001/XMLSchema#>

Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties