

# Circular Economy Ontology Network (CEON) - Location Module

## Metadata

### IRI

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

### Title

Circular Economy Ontology Network (CEON) - Location Module

### Publisher

Onto-DESIDE

### Creator

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### Contributor

Eva Blomqvist

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2025-06-30

### License

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### Version Iri

<http://w3id.org/CEON/ontology/location/0.2/>

### Version Info

0.2

### Prior Version

0.1

### Preferred Namespace Prefix

ceon-location

### Preferred Namespace Uri

<http://w3id.org/CEON/ontoloy/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, C3-2, C13-4, E2-12.

## Classes

Location <sup>c</sup>	
IRI	<a href="http://w3id.org/CEON/ontology/location/Location">http://w3id.org/CEON/ontology/location/Location</a>
Sub Class Of	<a href="#">Geometry<sup>c</sup></a>
In Range Of	<a href="#">hasLocation<sup>op</sup></a>

## Geometry<sup>c</sup>

**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<sup>dp</sup>](#)  
[as GeoJSON<sup>dp</sup>](#)  
[as WKT<sup>dp</sup>](#)

**Super Class Of** [Location<sup>c</sup>](#)

## Object Properties

has location<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/location/hasLocation>

**Range** [Location<sup>c</sup>](#)

## Datatype Properties

has city<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/location/hasCity>

**Range** [xsd:string](#)

has country<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/location/hasCountry>

**Range** [xsd:string](#)

has country code<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/location/hasCountryCode>

**Range** [xsd:string](#)

has global location number<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/location/hasGlobalLocationNumber>

**Range** [xsd:string](#)

has postal code<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/location/hasPostalCode>

**Range** [xsd:string](#)

has street address<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/location/hasStreetAddress>

**Range** [xsd:string](#)

as GML<sup>dp</sup>

**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<sup>c</sup>](#)

**Range** [geo:gmlLiteral](#)

as GeoJSON<sup>dp</sup>

**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<sup>c</sup>](#)

**Range** [geo:geoJSONLiteral](#)

as WKT<sup>dp</sup>

**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<sup>c</sup>](#)

**Range** [geo:wktLiteral](#)

lat<sup>dp</sup>

**IRI** [http://www.w3.org/2003/01/geo/wgs84\\_pos#lat](http://www.w3.org/2003/01/geo/wgs84_pos#lat)

long<sup>dp</sup>

IRI [http://www.w3.org/2003/01/geo/wgs84\\_pos#long](http://www.w3.org/2003/01/geo/wgs84_pos#long)

## Annotation Properties

contributor<sup>ap</sup>

IRI <http://purl.org/dc/terms/contributor>

created<sup>ap</sup>

IRI <http://purl.org/dc/terms/created>

creator<sup>ap</sup>

IRI <http://purl.org/dc/terms/creator>

description<sup>ap</sup>

IRI <http://purl.org/dc/terms/description>

issued<sup>ap</sup>

IRI <http://purl.org/dc/terms/issued>

license<sup>ap</sup>

IRI <http://purl.org/dc/terms/license>

publisher<sup>ap</sup>

IRI <http://purl.org/dc/terms/publisher>

title<sup>ap</sup>

IRI <http://purl.org/dc/terms/title>

preferred namespace prefix<sup>ap</sup>

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

[preferred namespace uri](#)<sup>ap</sup>

**IRI** <http://purl.org/vocab/vann/preferredNamespaceUri>

[covers requirements](#)<sup>ap</sup>

**IRI** <http://www.ontologydesignpatterns.org/schemas/cpannotation schema.owl#coversRequirements>

[definition](#)<sup>ap</sup>

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

[pref label](#)<sup>ap</sup>

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

## Namespaces

:

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

**dcterms**

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

**geo**

<http://www.opengis.net/ont/geosparql#>

**odp**

<http://www.ontologydesignpatterns.org/schemas/cpannotationschema.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