

# Circular Economy Ontology Network (CEON) - Location Module

## Metadata

**IRI**

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

**Title**

Circular Economy Ontology Network (CEON) - Location Module

**Creator**

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**Contributor**

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**Date Created**

2025-03-19

**License**

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**Version Iri**

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

**Version Info**

0.2

**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 <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>

<b>IRI</b>	<a href="http://www.opengis.net/ont/geosparql#Geometry">http://www.opengis.net/ont/geosparql#Geometry</a>
<b>Description</b>	A coherent set of direct positions in space. The positions are held within a Spatial Reference System (SRS).
<b>In Domain Of</b>	<a href="#">as GML</a> <sup>dp</sup> <a href="#">as GeoJSON</a> <sup>dp</sup> <a href="#">as WKT</a> <sup>dp</sup>
<b>Super Class Of</b>	<a href="#">Location</a> <sup>C</sup>

## Object Properties

### has location<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/location/hasLocation">http://w3id.org/CE0N/ontology/location/hasLocation</a>
<b>Range</b>	<a href="#">Location</a> <sup>C</sup>

## Datatype Properties

### has city<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/location/hasCity">http://w3id.org/CE0N/ontology/location/hasCity</a>
<b>Range</b>	<a href="#">xsd:string</a>

### has country<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/location/hasCountry">http://w3id.org/CE0N/ontology/location/hasCountry</a>
<b>Range</b>	<a href="#">xsd:string</a>

### has country code<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/location/hasCountryCode">http://w3id.org/CE0N/ontology/location/hasCountryCode</a>
<b>Range</b>	<a href="#">xsd:string</a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/location/hasGlobalLocationNumber">http://w3id.org/CE0N/ontology/location/hasGlobalLocationNumber</a>
<b>Range</b>	<a href="#">xsd:string</a>

has postal code<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/ontology/location/hasPostalCode>

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

has street address<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/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>

license<sup>ap</sup>

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

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/cannotation/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