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

Date Created

2023-03-17

License

https://creativecommons.org/licenses/by/4.0/

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/ontoloy/location/

Description

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

Covers Requirements

Covers the following requirements from Onto-DESIDE D3.1: CE3-3

Classes

Location ^c

IRI	http://w3id.org/CEON/ontology

Sub Class Of Geometry^C

In Range Of hasLocation op

Geometry ^C

DescriptionA 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

Range Location^C

Datatype Properties

has city^{dp}

Range xsd:string

has country code dp

Range <u>xsd:string</u>

has postal code dp

IRI http://w3id.org/CEON/ontology/location/hasPostalCode

Range xsd:string

has street dp

Range <u>xsd:string</u>

as GML^{dp}

Is Defined By http://www.opengis.net/spec/geosparq//1.0/req/geometry-extension/geometry-

as-wkt-literal

Description The GML serialization of a Geometry.

Domain Geometry^C

Range <u>geo:gmlLiteral</u>

as GeoJSON^{dp}

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

DescriptionThe GeoJSON serialization of a Geometry.

Domain Geometry ^C

Range geo:geoJSONLiteral

as WKT^{dp}

Is Defined By <a href="http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension-geometry-extension-g

as-wkt-literal

Description The WKT serialization of a Geometry.

Domain Geometry^C

Range geo:wktLiteral

Annotation Properties

contributor ap

http://purl.org/dc/terms/contributor

created ap

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

creator ap

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

description ^{ap}	0	
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/cpannotationschema.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	
Namespace	es	
http://w3id.org/CEON/ontology/location/ dcterms		

```
:
   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

С	Classes
ор	Object Properties
dp	Datatype Properties
ap	Annotation Properties