

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

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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/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^{dp}

| | |
|--------------|---|
| IRI | http://w3id.org/CE0N/ontology/location/hasCountry |
| Range | xsd:string |

has country code^{dp}

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

has global location number^{dp}

| | |
|--------------|---|
| IRI | http://w3id.org/CE0N/ontology/location/hasGlobalLocationNumber |
| Range | xsd:string |

has postal code^{dp}

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

Range [xsd:string](#)

has street address^{dp}

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

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](#)

lat^{dp}

IRI http://www.w3.org/2003/01/geo/wgs84_pos#lat

long^{dp}

IRI http://www.w3.org/2003/01/geo/wgs84_pos#long

Namespaces

:

<http://w3id.org/CE0N/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 |