

Circular Economy Ontology Network (CEON) - Location Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Location Module

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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 |
|------------|---|

created^{ap}

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

creator^{ap}

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

| | |
|--|---|
| 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/
dcterms
    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 |