

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	
<u>IRI</u>	http://w3id.org/CEON/ontology/location/Location
<u>Sub Class Of</u>	Geometry ^c
<u>In Range Of</u>	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/CEON/ontology/location/hasLocation>

Range [Location^c](#)

Datatype Properties

has city^{dp}

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

Range [xsd:string](#)

has country code^{dp}

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

Range [xsd:string](#)

has postal code^{dp}

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

Range [xsd:string](#)

has street^{dp}

IRI <http://w3id.org/CEON/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
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created^{ap}

IRI	http://purl.org/dc/terms/created
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creator^{ap}

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