

Circular Economy Ontology Network (CEON) - Actor ODP

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Actor ODP

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Version Iri

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

Version Info

0.2

Preferred Namespace Prefix

actorODP

Preferred Namespace Uri

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

Description

A core ODP of the CEON ontology network, defining aspects of the actor concept.

Covers Requirements

Covers the following requirements from Onto-DESIDE D3.1: CVN-Process-3, CVN-Actor-1,4,6,7, CVN-Competency-3, CVN-Information-4, C11-1, C11-3, E1-6,6,6,9, E4-10

Classes

Actor^c

IRI <http://w3id.org/CEON/ontology/actorODP/Actor>

In Domain Of [actorType^{op}](#)
[hasActorLocation^{op}](#)

In Range Of [capabilityOf^{op}](#)
[participatingActor^{op}](#)

Actor Type^c

IRI <http://w3id.org/CEON/ontology/actorODP/ActorType>

In Range Of [actorType^{op}](#)

Capability^c

IRI <http://w3id.org/CEON/ontology/actorODP/Capability>

In Domain Of [capabilityOf^{op}](#)
[capabilityProperty^{op}](#)

In Range Of [basedOnCapability^{op}](#)

Collaboration Participation^c

IRI <http://w3id.org/CEON/ontology/actorODP/CollaborationParticipation>

Sub Class Of [Participation^c](#)

In Domain Of [basedOnCapability^{op}](#)
[participationIn^{op}](#)

Participation^c

IRI <http://w3id.org/CEON/ontology/actorODP/Participation>

Sub Class Of [participationStartTime^{dp}](#) *exactly 1* [1^c](#) *or* [participationTimePoint^{dp}](#) *exactly 1* [1^c](#)

In Domain Of [participantRole^{op}](#)
[participatingActor^{op}](#)
[participationEndTime^{dp}](#)
[participationStartTime^{dp}](#)
[participationTimePoint^{dp}](#)

Super Class Of [CollaborationParticipation^c](#)
[ResourceParticipation^c](#)
[ResourceRelation^c](#)

Resource Participation^c

IRI <http://w3id.org/CEON/ontology/actorODP/ResourceParticipation>

Sub Class Of [Participation^c](#)

In Domain Of [participatingObject^{op}](#)
[participatingSubject^{op}](#)

Resource Relation^c

IRI <http://w3id.org/CEON/ontology/actorODP/ResourceRelation>

Sub Class Of [Participation^c](#)

In Domain Of [participatingResource^{op}](#)

Role^c

IRI <http://w3id.org/CEON/ontology/actorODP/Role>

In Range Of [participantRole^{op}](#)

Collaboration^c

IRI <http://w3id.org/CEON/ontology/cvn/Collaboration>

Process^C

IRI <http://w3id.org/CEON/ontology/processODP/Process>

Resource^C

IRI <http://w3id.org/CEON/ontology/resourceODP/Resource>

In Range Of [participatingResource^{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}](#)

In Range Of [hasActorLocation^{OP}](#)

Object Properties

actor type^{OP}

IRI <http://w3id.org/CEON/ontology/actorODP/actorType>

Domain [Actor^C](#)

Range [ActorType^C](#)

based on capability^{OP}

IRI <http://w3id.org/CEON/ontology/actorODP/basedOnCapability>

Domain [CollaborationParticipation^C](#)

Range [Capability^C](#)

capability of^{op}

IRI <http://w3id.org/CEON/ontology/actorODP/capabilityOf>

Domain [Capability^c](#)

Range [Actor^c](#)

capability property^{op}

IRI <http://w3id.org/CEON/ontology/actorODP/capabilityProperty>

Domain [Capability^c](#)

has actor location^{op}

IRI <http://w3id.org/CEON/ontology/actorODP/hasActorLocation>

Domain [Actor^c](#)

Range [Geometry^c](#)

participant role^{op}

IRI <http://w3id.org/CEON/ontology/actorODP/participantRole>

Domain [Participation^c](#)

Range [Role^c](#)

participating actor^{op}

IRI <http://w3id.org/CEON/ontology/actorODP/participatingActor>

Domain [Participation^c](#)

Range [Actor^c](#)

participating object^{op}

IRI <http://w3id.org/CEON/ontology/actorODP/participatingObject>

Domain [ResourceParticipation^c](#)

participating resource^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participatingResource
Domain	ResourceRelation^c
Range	resourceODP:Resource^c

participating subject^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participatingSubject
Domain	ResourceParticipation^c

participation in^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participationIn
Domain	CollaborationParticipation^c
Range	cvn:Collaboration^c or processODP:Process^c

Datatype Properties

participation end time^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/participationEndTime
Domain	Participation^c
Range	xsd:gYear^c or xsd:dateTime^c or xsd:gMonthYear^c or xsd:date^c

participation start time^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/participationStartTime
Domain	Participation^c
Range	xsd:gMonthYear^c or xsd:date^c or xsd:gYear^c or xsd:dateTime^c

participation time point^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/participationTimePoint
Domain	Participation^c
Range	xsd:gMonthYear^c or xsd:date^c or xsd:gYear^c or xsd:dateTime^c

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/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>

Namespaces

:

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

cvn

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

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#>

processODP

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

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#>

resourceODP

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

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

ap

Datatype Properties

Annotation Properties