

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
<u>In Domain Of</u>	actorType ^{op} hasActorLocation ^{op}
<u>In Range Of</u>	capabilityOf ^{op} participatingActor ^{op}

Actor Type ^c	
IRI	http://w3id.org/CEON/ontology/actorODP/ActorType
<u>In Range Of</u>	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
<u>Sub Class Of</u>	participationTimePoint ^{dp} <i>exactly 1 1^c or</i> participationStartTime ^{dp} <i>exactly 1 1^c</i>
<u>In Domain Of</u>	participantRole ^{op} participatingActor ^{op} participationEndTime ^{dp} participationStartTime ^{dp} participationTimePoint ^{dp}
<u>Super Class Of</u>	CollaborationParticipation ^c ResourceParticipation ^c ResourceRelation ^c

Resource Participation^c

IRI	http://w3id.org/CEON/ontology/actorODP/ResourceParticipation
<u>Sub Class Of</u>	Participation ^c
<u>In Domain Of</u>	participatingObject ^{op} participatingSubject ^{op}

Resource Relation^c

IRI <http://w3id.org/CEON/ontology/actor0DP/ResourceRelation>

Sub Class Of [Participation^c](#)

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

Role^c

IRI <http://w3id.org/CEON/ontology/actor0DP/Role>

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

Collaboration^c

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

Process^c

IRI <http://w3id.org/CEON/ontology/process0DP/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/actor0DP/actorType
<u>Domain</u>	<u>Actor</u> ^c
<u>Range</u>	<u>ActorType</u> ^c

based on capability^{op}

IRI	http://w3id.org/CEON/ontology/actor0DP/basedOnCapability
<u>Domain</u>	<u>CollaborationParticipation</u> ^c
<u>Range</u>	<u>Capability</u> ^c

capability of^{op}

IRI	http://w3id.org/CEON/ontology/actor0DP/capabilityOf
<u>Domain</u>	<u>Capability</u> ^c
<u>Range</u>	<u>Actor</u> ^c

capability property^{op}

IRI <http://w3id.org/CEON/ontology/actor0DP/capabilityProperty>

Domain [Capability^C](#)

has actor location^{op}

IRI <http://w3id.org/CEON/ontology/actor0DP/hasActorLocation>

Domain [Actor^C](#)

Range [Geometry^C](#)

participant role^{op}

IRI <http://w3id.org/CEON/ontology/actor0DP/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
<u>Domain</u>	<u>ResourceParticipation</u> ^c

participation in^{op}

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

Datatype Properties

participation end time^{dp}

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

participation start time^{dp}

IRI	http://w3id.org/CEON/ontology/actor0DP/participationStartTime
<u>Domain</u>	Participation ^c
<u>Range</u>	xsd:dateTime ^c <i>or</i> xsd:date ^c <i>or</i> xsd:gMonthYear ^c <i>or</i> xsd:gYear ^c

participation time point^{dp}

IRI	http://w3id.org/CEON/ontology/actor0DP/participationTimePoint
<u>Domain</u>	Participation ^c
<u>Range</u>	xsd:gMonthYear ^c <i>or</i> xsd:date ^c <i>or</i> xsd:dateTime ^c <i>or</i> xsd:gYear ^c

as GML^{dp}

IRI	http://www.opengis.net/ont/geosparql#asGML
<u>Is Defined By</u>	http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension/geometry-as-wkt-literal
<u>Description</u>	The GML serialization of a Geometry.
<u>Domain</u>	Geometry ^C
<u>Range</u>	geo:gmlLiteral

as GeoJSON^{dp}

IRI	http://www.opengis.net/ont/geosparql#asGeoJSON
<u>Is Defined By</u>	http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension/geometry-as-wkt-literal
<u>Description</u>	The GeoJSON serialization of a Geometry.
<u>Domain</u>	Geometry ^C
<u>Range</u>	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/CE0N/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/CE0N/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	Data type Properties
ap	Annotation Properties