

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} <i>exactly 1</i> 1 ^C <i>or</i> participationTimePoint ^{dp} <i>exactly 1</i> 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
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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
<u>Domain</u>	Capability ^c
<u>Range</u>	Actor ^c

capability property^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/capabilityProperty
<u>Domain</u>	Capability ^c

has actor location^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/hasActorLocation
<u>Domain</u>	Actor ^c
<u>Range</u>	Geometry ^c

participant role^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participantRole
<u>Domain</u>	Participation ^c
<u>Range</u>	Role ^c

participating actor^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participatingActor
<u>Domain</u>	Participation ^c
<u>Range</u>	Actor ^c

participating object^{op}

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

participating resource^{op}

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

participating subject^{op}

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

participation in^{op}

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

Datatype Properties

participation end time^{dp}

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

participation start time^{dp}

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

participation time point^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/participationTimePoint
<u>Domain</u>	Participation^c
<u>Range</u>	xsd:dateTime^c or xsd:gYear^c or xsd:gMonthYear^c or xsd:date^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
<u>Is Defined By</u>	http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension/geometry-as-wkt-literal
<u>Description</u>	The WKT serialization of a Geometry.
<u>Domain</u>	Geometry^c
<u>Range</u>	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