

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}
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 [participationTimePoint](#)^{dp} *exactly 1* ^c *or* [participationStartTime](#)^{dp} *exactly 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
<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/actorODP/ResourceRelation
<u>Sub Class Of</u>	Participation^C
<u>In Domain Of</u>	participatingResource^{op}

Role^C

IRI	http://w3id.org/CEON/ontology/actorODP/Role
<u>In Range Of</u>	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
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Resource^C

IRI	http://w3id.org/CEON/ontology/resourceODP/Resource
<u>In Range Of</u>	participatingResource^{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 location^{op}

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

Domain [resourceODP:Resource](#)^c or [Actor](#)^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>	processODP:Process ^c or cyn:Collaboration ^c

Datatype Properties

participation end time ^{dp}	
IRI	http://w3id.org/CEON/ontology/actorODP/participationEndTime
Domain	Participation ^c
Range	xsd:date ^c or xsd:gMonthYear ^c or xsd:gYear ^c or xsd:dateTime ^c

participation start time ^{dp}	
IRI	http://w3id.org/CEON/ontology/actorODP/participationStartTime
Domain	Participation ^c
Range	xsd:gYear ^c or xsd:date ^c or xsd:gMonthYear ^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:dateTime ^c or xsd:date ^c or xsd:gYear ^c

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

Namespaces

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

cvn

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

dcterms

<http://purl.org/dc/terms/>

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/>

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