

# Circular Economy Ontology Network (CEON) - Actor ODP

## Metadata

### IRI

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

### Title

Circular Economy Ontology Network (CEON) - Actor ODP

### Creator

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### Version Iri

<http://w3id.org/CEON/ontology/actorODP/0.1/>

### Version Info

0.1

### Preferred Namespace Prefix

actorODP

### Preferred Namespace Uri

<https://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 <sup>c</sup>	
IRI	<a href="http://w3id.org/CEON/ontology/actorODP/Actor">http://w3id.org/CEON/ontology/actorODP/Actor</a>
<u>In Domain Of</u>	<a href="#">actorType</a> <sup>op</sup>
<u>In Range Of</u>	<a href="#">capabilityOf</a> <sup>op</sup> <a href="#">participatingActor</a> <sup>op</sup>

## Actor Type<sup>C</sup>

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

**In Range Of** [actorType](#)<sup>op</sup>

## Capability<sup>C</sup>

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

**In Domain Of** [capabilityOf](#)<sup>op</sup>  
[capabilityProperty](#)<sup>op</sup>

**In Range Of** [basedOnCapability](#)<sup>op</sup>

## Collaboration Participation<sup>C</sup>

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

**Sub Class Of** [Participation](#)<sup>C</sup>

**In Domain Of** [basedOnCapability](#)<sup>op</sup>  
[participationIn](#)<sup>op</sup>

## Participation<sup>C</sup>

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

**Sub Class Of** [participationTimePoint](#)<sup>dp</sup> *exactly 1* [1](#)<sup>C</sup> *or* [participationStartTime](#)<sup>dp</sup> *exactly 1* [1](#)<sup>C</sup>

**In Domain Of** [participantRole](#)<sup>op</sup>  
[participatingActor](#)<sup>op</sup>  
[participationStartTime](#)<sup>dp</sup>  
[participationTimePoint](#)<sup>dp</sup>

**Super Class Of** [CollaborationParticipation](#)<sup>C</sup>  
[ResourceRelation](#)<sup>C</sup>

## Resource Relation<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/ResourceRelation">http://w3id.org/CEON/ontology/actorODP/ResourceRelation</a>
<b><u>Sub Class Of</u></b>	<a href="#">Participation<sup>c</sup></a>
<b><u>In Domain Of</u></b>	<a href="#">participatingResource<sup>op</sup></a>

## Role<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/Role">http://w3id.org/CEON/ontology/actorODP/Role</a>
<b><u>In Range Of</u></b>	<a href="#">participantRole<sup>op</sup></a>

## Collaboration<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/cvn/Collaboration">http://w3id.org/CEON/ontology/cvn/Collaboration</a>
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## Process<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/process/Process">http://w3id.org/CEON/ontology/process/Process</a>
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## Resource<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/resourceODP/Resource">http://w3id.org/CEON/ontology/resourceODP/Resource</a>
<b><u>In Range Of</u></b>	<a href="#">participatingResource<sup>op</sup></a>

## Object Properties

### actor type<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/actorType">http://w3id.org/CEON/ontology/actorODP/actorType</a>
<b><u>Domain</u></b>	<a href="#">Actor<sup>c</sup></a>
<b><u>Range</u></b>	<a href="#">ActorType<sup>c</sup></a>

## based on capability<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/basedOnCapability">http://w3id.org/CEON/ontology/actorODP/basedOnCapability</a>
<b><u>Domain</u></b>	<a href="#">CollaborationParticipation</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">Capability</a> <sup>c</sup>

## capability of<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/capabilityOf">http://w3id.org/CEON/ontology/actorODP/capabilityOf</a>
<b><u>Domain</u></b>	<a href="#">Capability</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">Actor</a> <sup>c</sup>

## capability property<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/capabilityProperty">http://w3id.org/CEON/ontology/actorODP/capabilityProperty</a>
<b><u>Domain</u></b>	<a href="#">Capability</a> <sup>c</sup>

## has location<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/hasLocation">http://w3id.org/CEON/ontology/actorODP/hasLocation</a>
<b><u>Domain</u></b>	<a href="#">Actor</a> <sup>c</sup> or <a href="#">resourceODP:Resource</a> <sup>c</sup>

## participant role<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/participantRole">http://w3id.org/CEON/ontology/actorODP/participantRole</a>
<b><u>Domain</u></b>	<a href="#">Participation</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">Role</a> <sup>c</sup>

## participating actor<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/participatingActor">http://w3id.org/CEON/ontology/actorODP/participatingActor</a>
<b><u>Domain</u></b>	<a href="#">Participation</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">Actor</a> <sup>c</sup>

## participating resource<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/participatingResource">http://w3id.org/CEON/ontology/actorODP/participatingResource</a>
<b><u>Domain</u></b>	<a href="#">ResourceRelation</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">resourceODP:Resource</a> <sup>c</sup>

## participation in<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/participationIn">http://w3id.org/CEON/ontology/actorODP/participationIn</a>
<b><u>Domain</u></b>	<a href="#">CollaborationParticipation</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">process:Process</a> <sup>c</sup> or <a href="#">cvn:Collaboration</a> <sup>c</sup>

## Datatype Properties

### participation end time<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/participationEndTime">http://w3id.org/CEON/ontology/actorODP/participationEndTime</a>
<b><u>Range</u></b>	<a href="#">xsd:date</a> <sup>c</sup> or <a href="#">xsd:gYear</a> <sup>c</sup> or <a href="#">xsd:dateTime</a> <sup>c</sup> or <a href="#">xsd:gMonthYear</a> <sup>c</sup>

### participation start time<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/participationStartTime">http://w3id.org/CEON/ontology/actorODP/participationStartTime</a>
<b><u>Domain</u></b>	<a href="#">Participation</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">xsd:gMonthYear</a> <sup>c</sup> or <a href="#">xsd:gYear</a> <sup>c</sup> or <a href="#">xsd:dateTime</a> <sup>c</sup> or <a href="#">xsd:date</a> <sup>c</sup>

### participation time point<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actorODP/participationTimePoint">http://w3id.org/CEON/ontology/actorODP/participationTimePoint</a>
<b><u>Domain</u></b>	<a href="#">Participation</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">xsd:gMonthYear</a> <sup>c</sup> or <a href="#">xsd:date</a> <sup>c</sup> or <a href="#">xsd:dateTime</a> <sup>c</sup> or <a href="#">xsd:gYear</a> <sup>c</sup>

## Annotation Properties

contributor <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/contributor">http://purl.org/dc/terms/contributor</a>
creator <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/creator">http://purl.org/dc/terms/creator</a>
description <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/description">http://purl.org/dc/terms/description</a>
title <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>
preferred namespace prefix <sup>ap</sup>	
IRI	<a href="http://purl.org/vocab/vann/preferredNamespacePrefix">http://purl.org/vocab/vann/preferredNamespacePrefix</a>
preferred namespace uri <sup>ap</sup>	
IRI	<a href="http://purl.org/vocab/vann/preferredNamespaceUri">http://purl.org/vocab/vann/preferredNamespaceUri</a>
covers requirements <sup>ap</sup>	
IRI	<a href="http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#coversRequirements">http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#coversRequirements</a>

## Namespaces

:

<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#>

**process**

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

**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