

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

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

**In Range Of** [capabilityOf<sup>op</sup>](#)  
[participatingActor<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/CE0N/ontology/actor0DP/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/CE0N/ontology/actor0DP/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/CE0N/ontology/actor0DP/Participation>

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

**IRI** <http://w3id.org/CE0N/ontology/actor0DP/ResourceRelation>

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

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

## Role<sup>c</sup>

**IRI** <http://w3id.org/CE0N/ontology/actor0DP/Role>

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

## Collaboration<sup>c</sup>

**IRI** <http://w3id.org/CE0N/ontology/cvn/Collaboration>

Process <sup>c</sup>	
IRI	<a href="http://w3id.org/CE0N/ontology/process/Process">http://w3id.org/CE0N/ontology/process/Process</a>
Resource <sup>c</sup>	
IRI	<a href="http://w3id.org/CE0N/ontology/resourceODP/Resource">http://w3id.org/CE0N/ontology/resourceODP/Resource</a>
<u>In Range Of</u>	<a href="#">participatingResource</a> <sup>op</sup>

## Object Properties

actor type <sup>op</sup>	
IRI	<a href="http://w3id.org/CE0N/ontology/actorODP/actorType">http://w3id.org/CE0N/ontology/actorODP/actorType</a>
<u>Domain</u>	<a href="#">Actor</a> <sup>c</sup>
<u>Range</u>	<a href="#">ActorType</a> <sup>c</sup>
based on capability <sup>op</sup>	
IRI	<a href="http://w3id.org/CE0N/ontology/actorODP/basedOnCapability">http://w3id.org/CE0N/ontology/actorODP/basedOnCapability</a>
<u>Domain</u>	<a href="#">CollaborationParticipation</a> <sup>c</sup>
<u>Range</u>	<a href="#">Capability</a> <sup>c</sup>
capability of <sup>op</sup>	
IRI	<a href="http://w3id.org/CE0N/ontology/actorODP/capabilityOf">http://w3id.org/CE0N/ontology/actorODP/capabilityOf</a>
<u>Domain</u>	<a href="#">Capability</a> <sup>c</sup>
<u>Range</u>	<a href="#">Actor</a> <sup>c</sup>
capability property <sup>op</sup>	
IRI	<a href="http://w3id.org/CE0N/ontology/actorODP/capabilityProperty">http://w3id.org/CE0N/ontology/actorODP/capabilityProperty</a>
<u>Domain</u>	<a href="#">Capability</a> <sup>c</sup>
has location <sup>op</sup>	
IRI	<a href="http://w3id.org/CE0N/ontology/actorODP/hasLocation">http://w3id.org/CE0N/ontology/actorODP/hasLocation</a>
<u>Domain</u>	<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/CE0N/ontology/actor0DP/participantRole">http://w3id.org/CE0N/ontology/actor0DP/participantRole</a>
<b>Domain</b>	<a href="#">Participation</a> <sup>c</sup>
<b>Range</b>	<a href="#">Role</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor0DP/participatingActor">http://w3id.org/CE0N/ontology/actor0DP/participatingActor</a>
<b>Domain</b>	<a href="#">Participation</a> <sup>c</sup>
<b>Range</b>	<a href="#">Actor</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor0DP/participatingResource">http://w3id.org/CE0N/ontology/actor0DP/participatingResource</a>
<b>Domain</b>	<a href="#">ResourceRelation</a> <sup>c</sup>
<b>Range</b>	<a href="#">resourceODP:Resource</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor0DP/participationIn">http://w3id.org/CE0N/ontology/actor0DP/participationIn</a>
<b>Domain</b>	<a href="#">CollaborationParticipation</a> <sup>c</sup>
<b>Range</b>	<a href="#">cvm:Collaboration</a> <sup>c</sup> or <a href="#">process:Process</a> <sup>c</sup>

## Datatype Properties

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor0DP/participationEndTime">http://w3id.org/CE0N/ontology/actor0DP/participationEndTime</a>
<b>Range</b>	<a href="#">xsd:date</a> <sup>c</sup> or <a href="#">xsd:gYear</a> <sup>c</sup> or <a href="#">xsd:gMonthYear</a> <sup>c</sup> or <a href="#">xsd:dateTime</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor0DP/participationStartTime">http://w3id.org/CE0N/ontology/actor0DP/participationStartTime</a>
<b>Domain</b>	<a href="#">Participation</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:gYear</a> <sup>c</sup> or <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>

## 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>Domain</b>	<a href="#">Participation</a> <sup>c</sup>
<b>Range</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>

<b>IRI</b>	<a href="http://purl.org/dc/terms/contributor">http://purl.org/dc/terms/contributor</a>
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### creator<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/creator">http://purl.org/dc/terms/creator</a>
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### description<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/description">http://purl.org/dc/terms/description</a>
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### title<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>
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### preferred namespace prefix<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/vocab/vann/preferredNamespacePrefix">http://purl.org/vocab/vann/preferredNamespacePrefix</a>
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### preferred namespace uri<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/vocab/vann/preferredNamespaceUri">http://purl.org/vocab/vann/preferredNamespaceUri</a>
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### covers requirements<sup>ap</sup>

<b>IRI</b>	<a href="http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements">http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements</a>
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## 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#>

**process**

<http://w3id.org/CE0N/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/CE0N/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