

# Circular Economy Ontology Network (CEON) - Actor Module

## Metadata

### IRI

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

### Title

Circular Economy Ontology Network (CEON) - Actor Module

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### Date Created

2023-03-16

### License

<https://github.com/LiUSemWeb/CEON/blob/master/LICENSE>

### Version Iri

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

### Version Info

0.1

### Preferred Namespace Prefix

actor

### Preferred Namespace Uri

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

### Description

The Actor module of CEON (Circular Economy Ontology Network).

### Covers Requirements

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.1: C0-1, C0-2, C3-4, T3-4

## Classes

### Actor Cvn Role<sup>c</sup>

#### IRI

<http://w3id.org/CEON/ontology/actor/ActorCVNRole>

#### Sub Class Of

[ActorCollaborationRole<sup>c</sup>](#)

#### Named Individuals

[collector<sup>ni</sup>](#)

[dismantler<sup>ni</sup>](#)

[manufacturer<sup>ni</sup>](#)

[recycler<sup>ni</sup>](#)

[reseller<sup>ni</sup>](#)

[seller<sup>ni</sup>](#)

[supplier<sup>ni</sup>](#)

[user<sup>ni</sup>](#)

## Actor Collaboration Role<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/ActorCollaborationRole">http://w3id.org/CE0N/ontology/actor/ActorCollaborationRole</a>
<b><u>Sub Class Of</u></b>	<a href="#">actorODP:Role<sup>C</sup></a>
<b><u>Super Class Of</u></b>	<a href="#">ActorCVNRole<sup>C</sup></a> <a href="#">ActorProcessRole<sup>C</sup></a>

## Actor Process Role<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/ActorProcessRole">http://w3id.org/CE0N/ontology/actor/ActorProcessRole</a>
<b><u>Sub Class Of</u></b>	<a href="#">ActorCollaborationRole<sup>C</sup></a>

## Actor Resource Role<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/ActorResourceRole">http://w3id.org/CE0N/ontology/actor/ActorResourceRole</a>
<b><u>Sub Class Of</u></b>	<a href="#">actorODP:Role<sup>C</sup></a>
<b><u>Named Individuals</u></b>	<a href="#">buyer<sup>ni</sup></a> <a href="#">consumer<sup>ni</sup></a> <a href="#">issuer<sup>ni</sup></a> <a href="#">owner<sup>ni</sup></a> <a href="#">producer<sup>ni</sup></a> <a href="#">provider<sup>ni</sup></a> <a href="#">reseller<sup>ni</sup></a> <a href="#">seller<sup>ni</sup></a> <a href="#">supplier<sup>ni</sup></a> <a href="#">updater<sup>ni</sup></a> <a href="#">user<sup>ni</sup></a> <a href="#">viewer<sup>ni</sup></a>

## Buying Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/BuyingResource">http://w3id.org/CE0N/ontology/actor/BuyingResource</a>
<b><u>Sub Class Of</u></b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b><u>Equivalentclass</u></b>	<a href="#">actorODP:participantRole<sup>op</sup></a> value <a href="#">buyer<sup>C</sup></a> <i>and</i> <a href="#">actorODP:ResourceRelation<sup>C</sup></a>

## Cvn Participation<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/CVNParticipation">http://w3id.org/CE0N/ontology/actor/CVNParticipation</a>
<b><u>Sub Class Of</u></b>	<a href="#">actorODP:CollaborationParticipation<sup>C</sup></a> <a href="#">actorODP:CollaborationParticipation<sup>C</sup></a> <i>and</i> <a href="#">actorODP:participationIn<sup>op</sup></a> some <a href="http://w3id.org/CEON/ontology/cvn/CVN&lt;sup&gt;C&lt;/sup&gt;">http://w3id.org/CEON/ontology/cvn/CVN<sup>C</sup></a> <i>and</i> <a href="#">actorODP:participatingActor<sup>op</sup></a> some <a href="#">actorODP:Actor<sup>C</sup></a> <i>and</i> <a href="#">actorODP:participantRole<sup>op</sup></a> some <a href="#">ActorCVNRole<sup>C</sup></a>

## Consuming Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/ConsumingResource">http://w3id.org/CE0N/ontology/actor/ConsumingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a> and <a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">consumer<sup>C</sup></a>

## Issuing Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/IssuingResource">http://w3id.org/CE0N/ontology/actor/IssuingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a> and <a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">issuer<sup>C</sup></a>

## Owning Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/OwningResource">http://w3id.org/CE0N/ontology/actor/OwningResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">owner<sup>C</sup></a> and <a href="#">actorODP:ResourceRelation<sup>C</sup></a>

## Process Participation<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/ProcessParticipation">http://w3id.org/CE0N/ontology/actor/ProcessParticipation</a>
<b>Sub Class Of</b>	<a href="#">actorODP:CollaborationParticipation<sup>C</sup></a> <a href="#">actorODP:CollaborationParticipation<sup>C</sup></a> and <a href="#">actorODP:participationIn<sup>OP</sup></a> some <a href="#">http://w3id.org/CE0N/ontology/process/Process<sup>C</sup></a> and <a href="#">actorODP:participantRole<sup>OP</sup></a> some <a href="#">ActorCVNRole<sup>C</sup></a> and <a href="#">actorODP:participatingActor<sup>OP</sup></a> some <a href="#">actorODP:Actor<sup>C</sup></a>

## Producing Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/ProducingResource">http://w3id.org/CE0N/ontology/actor/ProducingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">producer<sup>C</sup></a> and <a href="#">actorODP:ResourceRelation<sup>C</sup></a>

## Providing Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/ProvidingResource">http://w3id.org/CE0N/ontology/actor/ProvidingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">provider<sup>C</sup></a> and <a href="#">actorODP:ResourceRelation<sup>C</sup></a>

## Reselling Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/ResellingResource">http://w3id.org/CE0N/ontology/actor/ResellingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">reseller<sup>C</sup></a> and <a href="#">actorODP:ResourceRelation<sup>C</sup></a>

## Selling Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/SellingResource">http://w3id.org/CE0N/ontology/actor/SellingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">seller<sup>C</sup></a> and <a href="#">actorODP:ResourceRelation<sup>C</sup></a>

## Supplying Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/SupplyingResource">http://w3id.org/CE0N/ontology/actor/SupplyingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">supplier<sup>C</sup></a> and <a href="#">actorODP:ResourceRelation<sup>C</sup></a>

## Updating Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/UpdatingResource">http://w3id.org/CE0N/ontology/actor/UpdatingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">updater<sup>C</sup></a> and <a href="#">actorODP:ResourceRelation<sup>C</sup></a>

## Using Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/UsingResource">http://w3id.org/CE0N/ontology/actor/UsingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">user<sup>C</sup></a> and <a href="#">actorODP:ResourceRelation<sup>C</sup></a>

## Viewing Resource<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actor/ViewingResource">http://w3id.org/CE0N/ontology/actor/ViewingResource</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a> and <a href="#">actorODP:participantRole<sup>OP</sup></a> value <a href="#">viewer<sup>C</sup></a>

## Actor<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/actorODP/Actor">http://w3id.org/CE0N/ontology/actorODP/Actor</a>
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## Capability<sup>c</sup>

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

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

## Collaboration Participation<sup>c</sup>

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

**Super Class Of** [CVNParticipation<sup>c</sup>](#)  
[ProcessParticipation<sup>c</sup>](#)

## Participation<sup>c</sup>

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

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

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

**Sub Class Of** [actorODP:participantRole<sup>op</sup>](#) some [ActorResourceRole<sup>c</sup>](#) and  
[actorODP:participatingResource<sup>op</sup>](#) some  
[http://w3id.org/CEON/ontology/resourceODP/Resource<sup>c</sup>](http://w3id.org/CEON/ontology/resourceODP/Resource) and  
[actorODP:Participation<sup>c</sup>](#) and [actorODP:participatingActor<sup>op</sup>](#) some  
[actorODP:Actor<sup>c</sup>](#)

**Super Class Of** [BuyingResource<sup>c</sup>](#)  
[ConsumingResource<sup>c</sup>](#)  
[IssuingResource<sup>c</sup>](#)  
[OwningResource<sup>c</sup>](#)  
[ProducingResource<sup>c</sup>](#)  
[ProvidingResource<sup>c</sup>](#)  
[ResellingResource<sup>c</sup>](#)  
[SellingResource<sup>c</sup>](#)  
[SupplyingResource<sup>c</sup>](#)  
[UpdatingResource<sup>c</sup>](#)  
[UsingResource<sup>c</sup>](#)  
[ViewingResource<sup>c</sup>](#)

## Role<sup>c</sup>

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

**Super Class Of** [ActorCollaborationRole<sup>c</sup>](#)  
[ActorResourceRole<sup>c</sup>](#)

## Cvn<sup>c</sup>

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

**Sub Class Of** <http://w3id.org/CEON/ontology/cvn/Collaboration><sup>c</sup>

## Collaboration<sup>c</sup>

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

**Super Class Of** <http://w3id.org/CEON/ontology/cvn/CVN><sup>c</sup>

## Process<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/processODP/Process>

## Resource<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/resourceODP/Resource>

## Object Properties

### capability extent<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/actor/capabilityExtent>

**Sub Property Of** [actorODP:capabilityProperty](#)<sup>op</sup>

**Domain** [actorODP:Capability](#)<sup>c</sup>

### needed resource relation<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/actor/neededResourceRelation>

**Sub Property Of** [actorODP:capabilityProperty](#)<sup>op</sup>

**Domain** [actorODP:Capability](#)<sup>c</sup>

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

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

**Super Property Of**

- [capabilityExtent](#)<sup>op</sup>
- [neededResourceRelation](#)<sup>op</sup>

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

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

participating actor<sup>op</sup>

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

participating resource<sup>op</sup>

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

participation in<sup>op</sup>

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

## Annotation Properties

contributor<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/contributor>

created<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/created>

creator<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/creator>

description<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/description>

license<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/license>

title<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/title>

preferred namespace prefix<sup>ap</sup>

**IRI** <http://purl.org/vocab/vann/preferredNamespacePrefix>

preferred namespace uri<sup>ap</sup>

**IRI** <http://purl.org/vocab/vann/preferredNamespaceUri>

covers requirements<sup>ap</sup>

**IRI** <http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements>

## Namespaces

:

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

**actorODP**

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

**dcterms**

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

**odp**

<http://www.ontologydesignpatterns.org/schemas/cannotationschema.owl#>

**owl**

<http://www.w3.org/2002/07/owl#>

**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#>

**vann**

<http://purl.org/vocab/vann/>

## Legend

c	Classes
op	Object Properties
ap	Annotation Properties