

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

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Version Iri

<http://w3id.org/CEON/ontology/actor/0.2/>

Version Info

0.2

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^C

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

Sub Class Of [ActorCollaborationRole^C](#)

Named Individuals

- [collectorⁿⁱ](#)
- [dismantlerⁿⁱ](#)
- [manufacturerⁿⁱ](#)
- [recyclerⁿⁱ](#)
- [resellerⁿⁱ](#)
- [sellerⁿⁱ](#)
- [supplierⁿⁱ](#)
- [userⁿⁱ](#)

Actor Collaboration Role^C

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

Sub Class Of [actorODP:Role^C](#)

Super Class Of

- [ActorCVNRole^C](#)
- [ActorProcessRole^C](#)

Actor Process Role^C

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

Sub Class Of [ActorCollaborationRole^C](#)

Actor Resource Role^c

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

Sub Class Of [actorODP:Role^c](#)

Named Individuals

[buyerⁿⁱ](#)
[consumerⁿⁱ](#)
[issuerⁿⁱ](#)
[ownerⁿⁱ](#)
[producerⁿⁱ](#)
[providerⁿⁱ](#)
[resellerⁿⁱ](#)
[sellerⁿⁱ](#)
[supplierⁿⁱ](#)
[updaterⁿⁱ](#)
[userⁿⁱ](#)
[viewerⁿⁱ](#)

Buying Resource^c

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

Sub Class Of [actorODP:ResourceRelation^c](#)

Equivalentclass [actorODP:ResourceRelation^c](#) *and* [actorODP:participantRole^{op}](#) value [buyer^c](#)

Cvn Participation^c

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

Sub Class Of [actorODP:CollaborationParticipation^c](#)
[actorODP:participatingActor^{op}](#) some [actorODP:Actor^c](#) *and*
[actorODP:participantRole^{op}](#) some [ActorCVNRole^c](#) *and*
[actorODP:CollaborationParticipation^c](#) *and* [actorODP:participationIn^{op}](#) some
[http://w3id.org/CEON/ontology/cvn/CVN^c](http://w3id.org/CEON/ontology/cvn/CVN)

Consuming Resource^c

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

Sub Class Of [actorODP:ResourceRelation^c](#)

Equivalentclass [actorODP:participantRole^{op}](#) value [consumer^c](#) *and* [actorODP:ResourceRelation^c](#)

Issuing Resource^C

IRI	http://w3id.org/CEON/ontology/actor/IssuingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{op} value issuer^C <i>and</i> actorODP:ResourceRelation^C

Manufacturing Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ManufacturingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:ResourceRelation^C <i>and</i> actorODP:participantRole^{op} value manufacturer^C

Owning Resource^C

IRI	http://w3id.org/CEON/ontology/actor/OwningResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{op} value owner^C <i>and</i> actorODP:ResourceRelation^C

Process Participation^C

IRI	http://w3id.org/CEON/ontology/actor/ProcessParticipation
<u>Sub Class Of</u>	actorODP:CollaborationParticipation^C actorODP:participantRole^{op} some ActorCVNRole^C <i>and</i> actorODP:participationIn^{op} some http://w3id.org/CEON/ontology/processODP/Process^C <i>and</i> actorODP:CollaborationParticipation^C <i>and</i> actorODP:participatingActor^{op} some actorODP:Actor^C

Producing Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ProducingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{op} value producer^C <i>and</i> actorODP:ResourceRelation^C

Providing Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ProvidingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:ResourceRelation^C <i>and</i> actorODP:participantRole^{Op} value provider^C

Reselling Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ResellingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{Op} value reseller^C <i>and</i> actorODP:ResourceRelation^C

Selling Resource^C

IRI	http://w3id.org/CEON/ontology/actor/SellingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:ResourceRelation^C <i>and</i> actorODP:participantRole^{Op} value seller^C

Supplying Resource^C

IRI	http://w3id.org/CEON/ontology/actor/SupplyingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{Op} value supplier^C <i>and</i> actorODP:ResourceRelation^C

Updating Resource^C

IRI	http://w3id.org/CEON/ontology/actor/UpdatingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:ResourceRelation^C <i>and</i> actorODP:participantRole^{Op} value updater^C

Using Resource^C

IRI	http://w3id.org/CEON/ontology/actor/UsingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{op} value user^C <i>and</i> actorODP:ResourceRelation^C

Viewing Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ViewingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{op} value viewer^C <i>and</i> actorODP:ResourceRelation^C

Actor^C

IRI	http://w3id.org/CEON/ontology/actorODP/Actor
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Capability^C

IRI	http://w3id.org/CEON/ontology/actorODP/Capability
<u>In Domain Of</u>	capabilityExtent^{op} neededResourceRelation^{op}

Collaboration Participation^C

IRI	http://w3id.org/CEON/ontology/actorODP/CollaborationParticipation
<u>Super Class Of</u>	CVNParticipation^C ProcessParticipation^C

Participation^C

IRI	http://w3id.org/CEON/ontology/actorODP/Participation
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Resource Relation^c

IRI	http://w3id.org/CEON/ontology/actorODP/ResourceRelation
Sub Class Of	actorODP:participatingActor ^{op} some actorODP:Actor ^c and actorODP:participatingResource ^{op} some http://w3id.org/CEON/ontology/resourceODP/Resource ^c and actorODP:participantRole ^{op} some ActorResourceRole ^c and actorODP:Participation ^c
Super Class Of	BuyingResource ^c ConsumingResource ^c IssuingResource ^c ManufacturingResource ^c OwningResource ^c ProducingResource ^c ProvidingResource ^c ResellingResource ^c SellingResource ^c SupplyingResource ^c UpdatingResource ^c UsingResource ^c ViewingResource ^c

Role^c

IRI	http://w3id.org/CEON/ontology/actorODP/Role
Super Class Of	ActorCollaborationRole ^c ActorResourceRole ^c

Cvn^c

IRI	http://w3id.org/CEON/ontology/cvn/CVN
Sub Class Of	http://w3id.org/CEON/ontology/cvn/Collaboration ^c

Collaboration^c

IRI	http://w3id.org/CEON/ontology/cvn/Collaboration
Super Class Of	http://w3id.org/CEON/ontology/cvn/CVN ^c

Process^c

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

Resource^c

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

Object Properties

capability extent^{op}

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

Sub Property Of [actorODP:capabilityProperty^{op}](#)

Domain [actorODP:Capability^c](#)

needed resource relation^{op}

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

Sub Property Of [actorODP:capabilityProperty^{op}](#)

Domain [actorODP:Capability^c](#)

capability property^{op}

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

Super Property Of

- [capabilityExtent^{op}](#)
- [neededResourceRelation^{op}](#)

participant role^{op}

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

participating actor^{op}

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

participating resource^{op}

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

participation in^{op}

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

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

:

<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/cpannotationschema.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