

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

2024-11-13

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Version Iri

<http://w3id.org/CEON/ontology/actor/0.3/>

Version Info

0.3

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

Cvn Participation^c

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

Sub Class Of

- [actorODP:CollaborationParticipation^c](#)
- [actorODP:CollaborationParticipation^c](#) and [actorODP:participatingActor^{op}](#) some [actorODP:Actor^c](#) and [actorODP:participantRole^{op}](#) some [ActorCVNRole^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:ResourceRelation^c](#) and [actorODP:participantRole^{op}](#) value [consumer^c](#)

Issuing Resource^c

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

Manufacturing Resource^c

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

Owning Resource^c

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

Process Participation^c

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

Producing Resource^c

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

Selling Resource^C

IRI	http://w3id.org/CEON/ontology/actor/SellingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{Op} value seller^C <i>and</i> actorODP:ResourceRelation^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:participantRole^{Op} value updater^C <i>and</i> actorODP:ResourceRelation^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:participatingResource ^{op} some http://w3id.org/CEON/ontology/resourceODP/Resource ^C and actorODP:Participation ^C and actorODP:participatingActor ^{op} some actorODP:Actor ^C and actorODP:participantRole ^{op} some ActorResourceRole ^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