

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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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/CE0N/ontology/actor/ActorCollaborationRole
<u>Sub Class Of</u>	actorODP:Role^C
<u>Super Class Of</u>	ActorCVNRole^C ActorProcessRole^C

Actor Process Role^C

IRI	http://w3id.org/CE0N/ontology/actor/ActorProcessRole
<u>Sub Class Of</u>	ActorCollaborationRole^C

Actor Resource Role^C

IRI	http://w3id.org/CE0N/ontology/actor/ActorResourceRole
<u>Sub Class Of</u>	actorODP:Role^C
<u>Named Individuals</u>	buyerⁿⁱ consumerⁿⁱ issuerⁿⁱ ownerⁿⁱ producerⁿⁱ providerⁿⁱ resellerⁿⁱ sellerⁿⁱ supplierⁿⁱ updaterⁿⁱ userⁿⁱ viewerⁿⁱ

Buying Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/BuyingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:ResourceRelation^C <i>and</i> actorODP:participantRole^{op} value buyer^C

Cvn Participation^C

IRI	http://w3id.org/CE0N/ontology/actor/CVNParticipation
<u>Sub Class Of</u>	actorODP:CollaborationParticipation^C actorODP:participatingActor^{op} some actorODP:Actor^C <i>and</i> actorODP:participantRole^{op} some ActorCVNRole^C <i>and</i> actorODP:participationIn^{op} some http://w3id.org/CEON/ontology/cvn/CVN^C <i>and</i> actorODP:CollaborationParticipation^C

Consuming Resource^C

IRI	http://w3id.org/CE0N/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/CE0N/ontology/actor/IssuingResource
Sub Class Of	actorODP:ResourceRelation^C
Equivalentclass	actorODP:ResourceRelation^C and actorODP:participantRole^{OP} value issuer^C

Manufacturing Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/ManufacturingResource
Sub Class Of	actorODP:ResourceRelation^C
Equivalentclass	actorODP:participantRole^{OP} value manufacturer^C and actorODP:ResourceRelation^C

Owning Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/OwningResource
Sub Class Of	actorODP:ResourceRelation^C
Equivalentclass	actorODP:participantRole^{OP} value owner^C and actorODP:ResourceRelation^C

Process Participation^C

IRI	http://w3id.org/CE0N/ontology/actor/ProcessParticipation
Sub Class Of	actorODP:CollaborationParticipation^C actorODP:participantRole^{OP} some ActorCVNRole^C and actorODP:participationIn^{OP} some http://w3id.org/CE0N/ontology/processODP/Process^C and actorODP:CollaborationParticipation^C and actorODP:participatingActor^{OP} some actorODP:Actor^C

Producing Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/ProducingResource
Sub Class Of	actorODP:ResourceRelation^C
Equivalentclass	actorODP:ResourceRelation^C and actorODP:participantRole^{OP} value producer^C

Providing Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/ProvidingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:ResourceRelation^C and actorODP:participantRole^{OP} value provider^C

Reselling Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/ResellingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{OP} value reseller^C and actorODP:ResourceRelation^C

Selling Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/SellingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{OP} value seller^C and actorODP:ResourceRelation^C

Supplying Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/SupplyingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{OP} value supplier^C and actorODP:ResourceRelation^C

Updating Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/UpdatingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:ResourceRelation^C and actorODP:participantRole^{OP} value updater^C

Using Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/UsingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	actorODP:participantRole^{OP} value user^C and actorODP:ResourceRelation^C

Viewing Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/ViewingResource
Sub Class Of	actorODP:ResourceRelation^C
Equivalentclass	actorODP:ResourceRelation^C and actorODP:participantRole^{op} value viewer^C

Actor^C

IRI	http://w3id.org/CE0N/ontology/actorODP/Actor
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Capability^C

IRI	http://w3id.org/CE0N/ontology/actorODP/Capability
In Domain Of	capabilityExtent^{op} neededResourceRelation^{op}

Collaboration Participation^C

IRI	http://w3id.org/CE0N/ontology/actorODP/CollaborationParticipation
Super Class Of	CVNParticipation^C ProcessParticipation^C

Participation^C

IRI	http://w3id.org/CE0N/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:Participation](#)^C and [actorODP:participatingResource](#)^{op} some <http://w3id.org/CEON/ontology/resourceODP/Resource>^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/CE0N/ontology/actor/capabilityExtent>

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

Domain [actorODP:Capability^c](#)

needed resource relation^{op}

IRI <http://w3id.org/CE0N/ontology/actor/neededResourceRelation>

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

Domain [actorODP:Capability^c](#)

capability property^{op}

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

Super Property Of

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

participant role^{op}

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

participating actor^{op}

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

participating resource^{op}

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

participation in^{op}

IRI <http://w3id.org/CE0N/ontology/actor0DP/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/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/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