

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:participantRole^{op} some ActorCVNRole^c <i>and</i> actorODP:CollaborationParticipation^c <i>and</i> actorODP:participationIn^{op} some http://w3id.org/CE0N/ontology/cvn/CVN^c <i>and</i> actorODP:participatingActor^{op} some actorODP:Actor^c

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
Sub Class Of	actorODP:ResourceRelation^C
Equivalentclass	actorODP:participantRole^{OP} value issuer^C and actorODP:ResourceRelation^C

Manufacturing Resource^C

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

Owning Resource^C

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

Providing Resource^C

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

Reselling Resource^C

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

Selling Resource^C

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

Supplying Resource^C

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

Updating Resource^C

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

Using Resource^C

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

Viewing Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/ViewingResource
<u>Sub Class Of</u>	actorODP:ResourceRelation^C
<u>Equivalentclass</u>	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
<u>In Domain Of</u>	capabilityExtent^{op} neededResourceRelation^{op}

Collaboration Participation^C

IRI	http://w3id.org/CE0N/ontology/actorODP/CollaborationParticipation
<u>Super Class Of</u>	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:participatingResource ^{op} some http://w3id.org/CEON/ontology/resourceODP/Resource ^C and actorODP:Participation ^C and actorODP:participantRole ^{op} some ActorResourceRole ^C and actorODP:participatingActor ^{op} some actorODP:Actor ^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
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Resource^C

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