

Circular Economy Ontology Network (CEON) - Actor Module

Metadata

IRI	http://w3id.org/CEON/ontology/actor/
Title	Circular Economy Ontology Network (CEON) - Actor Module
Creator	Huanyu Li
Contributor	Eva Blomqvist Mikael Lindecrantz Robin Keskisärkkä
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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 In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D2.3: 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>

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

Super Class Of
[ActorCVNRole^c](#)
[ActorProcessRole^c](#)

Actor Process Role^c

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

Sub Class Of [ActorCollaborationRole^c](#)

Actor Resource Role^c

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

Sub Class Of
[actorODP:CollaborationParticipation^c](#)
[actorODP:participantRole^{op}](#) some [ActorCVNRole^c](#) and [actorODP:participationIn^{op}](#) some
[http://w3id.org/CE0N/ontology/cvn/CVN^c](http://w3id.org/CE0N/ontology/cvn/CVN) and [actorODP:participatingActor^{op}](#) some
[actorODP:Actor^c](#) and [actorODP:CollaborationParticipation^c](#)

Consuming Resource^C

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

Organisation^C

IRI	http://w3id.org/CE0N/ontology/actor/Organisation
Is Defined By	ISO 59004:2024 - 3.4.1 organization
Description	Person or group of people that has its own functions with responsibilities, authorities, and relationships to achieve its objectives. The concept of organization includes, but is not limited to sole-trader, company, corporation, firm, enterprise, authority, partnership, charity or institution, or part or combination thereof, whether incorporated or not, public or private (e.g. foundation, union, association, agency, municipality, region, country, intergovernmental agencies). A group of organizations can also be considered as an organization that has, alone or collectively, their own objectives.
Sub Class Of	actorODP:Actor^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

Person^C

IRI	http://w3id.org/CE0N/ontology/actor/Person
Sub Class Of	actorODP:Actor^C

Process Participation^C

IRI	http://w3id.org/CE0N/ontology/actor/ProcessParticipation
Sub Class Of	actorODP:CollaborationParticipation ^C actorODP:participantRole ^{OP} some ActorProcessRole ^C and actorODP:participationIn ^{OP} some http://w3id.org/CEON/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: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:participantRole ^{OP} value provider ^C and actorODP:ResourceRelation ^C

Reselling Resource^C

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

Interested partyStakeholder^C

IRI	http://w3id.org/CE0N/ontology/actor/Stakeholder
Is Defined By	ISO 59004:2024 - 3.4.2 interested party, stakeholder
Description	Person or organization that can affect, be affected by, or perceive itself to be affected by a decision or activity. To “perceive itself to be affected” means the perception has been made known to the organization.
Sub Class Of	Person ^C or Organisation ^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:ResourceRelation^C and actorODP:participantRole^{OP} value updater^C

Using Resource^C

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

Actor^C

IRI	http://w3id.org/CE0N/ontology/actorODP/Actor
Super Class Of	Organisation^C Person^C

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/CEON/ontology/actorODP/Participation>

Resource Relation^C

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

Sub Class Of [actorODP:Participation^C](#) and [actorODP:participatingResource^{OP}](#) some [http://w3id.org/CEON/ontology/resourceODP/Resource^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/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/actorODP/capabilityProperty>

Super Property Of

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

participant role^{op}

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

participating actor^{op}

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

participating resource^{op}

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

participation in^{op}

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