

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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License

<https://github.com/LiUSemWeb/CEON/blob/master/LICENSE>

Version Iri

<http://w3id.org/CEON/ontology/actor/0.1/>

Version Info

0.1

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 <a href="http://w3id.org/CEON/ontology/cvn/CVN<sup>c

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 and actorODP:participantRole^{op} value issuer^C

Owning Resource^C

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

Process Participation^C

IRI	http://w3id.org/CEON/ontology/actor/ProcessParticipation
Sub Class Of	actorODP:CollaborationParticipation^C actorODP:participantRole^{op} some ActorCVNRole^C and actorODP:participatingActor^{op} some actorODP:Actor^C and actorODP:CollaborationParticipation^C and actorODP:participationIn^{op} some <a 107="" 276="" 657="" 675"="" data-label="Section-Header" href="http://w3id.org/CEON/ontology/process/Process<sup>C</sup></td></tr></table></div><div data-bbox="><h2>Producing Resource^C</h2>

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/CEON/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/CEON/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/CEON/ontology/actor/SellingResource
Sub Class Of	actorODP:ResourceRelation^c
Equivalentclass	actorODP:ResourceRelation^c and actorODP:participantRole^{op} value seller^c

Supplying Resource^c

IRI	http://w3id.org/CEON/ontology/actor/SupplyingResource
Sub Class Of	actorODP:ResourceRelation^c
Equivalentclass	actorODP:ResourceRelation^c and actorODP:participantRole^{op} value supplier^c

Updating Resource^c

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

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

In Domain Of

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

Collaboration Participation^c

IRI <http://w3id.org/CEON/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:participatingResource^{op}](#) some
<http://w3id.org/CEON/ontology/resourceODP/Resource^c> and
[actorODP:participantRole^{op}](#) some [ActorResourceRole^c](#) and
[actorODP:Participation^c](#) and [actorODP:participatingActor^{op}](#) some
[actorODP:Actor^c](#)

Super Class Of

[BuyingResource^c](#)
[ConsumingResource^c](#)
[IssuingResource^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](http://w3id.org/CEON/ontology/cvn/Collaboration)

Collaboration^c

IRI <http://w3id.org/CEON/ontology/cvn/Collaboration>

Super Class Of [http://w3id.org/CEON/ontology/cvn/CVN^c](http://w3id.org/CEON/ontology/cvn/CVN)

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/actor0DP/participatingActor>

participating resource^{op}

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

participation in^{op}

IRI <http://w3id.org/CEON/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/cpannotation 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