

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 | <div>collectorⁿⁱ dismantlerⁿⁱ manufacturerⁿⁱ recyclerⁿⁱ resellerⁿⁱ sellerⁿⁱ supplierⁿⁱ userⁿⁱ</div> |

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:participationIn^{Op}](#) some <http://w3id.org/CEON/ontology/cvn/CVN^C> *and*
[actorODP:participatingActor^{Op}](#) some [actorODP:Actor^C](#) *and* [actorODP:participantRole^{Op}](#) some
[ActorCVNRole^C](#) *and* [actorODP:CollaborationParticipation^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:ResourceRelation^C and 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 and actorODP:ResourceRelation^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:participationIn^{OP} some http://w3id.org/CEON/ontology/processODP/Process^C and actorODP:participatingActor^{OP} some actorODP:Actor^C and actorODP:CollaborationParticipation^C and actorODP:participantRole^{OP} some ActorCVNRole^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:participantRole^{OP} value provider^C <i>and</i> actorODP:ResourceRelation^C |

Reselling Resource^C

| | |
|------------------------|---|
| IRI | http://w3id.org/CE0N/ontology/actor/ResellingResource |
| Sub Class Of | actorODP:ResourceRelation^C |
| Equivalentclass | actorODP:ResourceRelation^C <i>and</i> 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 <i>and</i> 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 <i>and</i> actorODP:ResourceRelation^C |

Updating Resource^C

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

Actor^C

| | |
|------------|---|
| IRI | http://w3id.org/CEON/ontology/actorODP/Actor |
|------------|---|

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:Participation^C and actorODP:participatingActor^{OP} some actorODP:Actor^C and actorODP:participantRole^{OP} some ActorResourceRole^C and actorODP:participatingResource^{OP} some http://w3id.org/CEON/ontology/resourceODP/Resource^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](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/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 |