

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 |
| <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/CEON/ontology/actor/ActorProcessRole |
| <u>Sub Class Of</u> | ActorCollaborationRole^C |

Actor Resource Role^C

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

Cvn Participation^C

| | |
|----------------------------|---|
| IRI | http://w3id.org/CEON/ontology/actor/CVNParticipation |
| <u>Sub Class Of</u> | actorODP:CollaborationParticipation^C actorODP:CollaborationParticipation^C and actorODP:participantRole^{op} some ActorCVNRole^C and actorODP:participationIn^{op} some http://w3id.org/CEON/ontology/cvn/CVN^C and actorODP:participatingActor^{op} some actorODP:Actor^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:ResourceRelation^c and actorODP:participantRole^{op} value issuer^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:CollaborationParticipation^c and actorODP:participationIn^{op} some http://w3id.org/CE0N/ontology/process/Process^c and actorODP:participatingActor^{op} some actorODP:Actor^c and actorODP:participantRole^{op} some ActorCVNRole^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 |
| 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:ResourceRelation^C and actorODP:participantRole^{OP} value seller^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:ResourceRelation^C and actorODP:participantRole^{OP} value user^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/actor0DP/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: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](#)
[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/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/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/cannotationschema.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 |