

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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Date Created

2023-03-16

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 <i>and</i> actorODP:ResourceRelation^C |

Cvn Participation^C

| | |
|----------------------------|--|
| IRI | http://w3id.org/CEON/ontology/actor/CVNParticipation |
| <u>Sub Class Of</u> | actorODP:CollaborationParticipation^C actorODP:participatingActor^{Op} some actorODP:Actor^C <i>and</i> actorODP:CollaborationParticipation^C <i>and</i> actorODP:participantRole^{Op} some ActorCVNRole^C <i>and</i> actorODP:participationIn^{Op} some http://w3id.org/CEON/ontology/cvn/CVN^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:participantRole^{op} value issuer^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:participatingActor^{op} some actorODP:Actor^c and actorODP:CollaborationParticipation^c and actorODP:participantRole^{op} some ActorCVNRole^c and actorODP:participationIn^{op} some http://w3id.org/CEON/ontology/process/Process^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/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/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 |
| 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 |
|------------|---|

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:participatingResource^{op}](#) some <http://w3id.org/CEON/ontology/resourceODP/Resource^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 |