Circular Economy Ontology Network (CEON) - Actor Module

Metadata

IRI

```
http://w3id.org/CEON/ontology/ac
tor/
```

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	collector [ni]
	dismantler [ni]
	manufacturer [ni]
	recycler [ni]
	reseller [ni]
	seller [ni]
	supplier [ni]
	user [ni]

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/CEO
N/ontology/actor/Ac
torProcessRole
```

Sub Class Of
ActorCollaborationRole^C

Actor Resource Role^C

IRI
```
http://w3id.org/CEO
N/ontology/actor/Ac
torResourceRole
```

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:participantRole^{op} some ActorCVNRole^C *and* actorODP:participationIn^{op} some http://w3id.org/CEON/ontology/cvn/CVN^C *and* actorODP:CollaborationParticipation^C *and* actorODP:participatingActor^{op} some actorODP:Actor^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:participantRole [op] value issuer [C] *and* actorODP:ResourceRelation [C]

Manufacturing Resource ^C

IRI	`http://w3id.org/CEON/ontology/actor/ManufacturingResource`
Sub Class Of	actorODP:ResourceRelation^C
Equivalentclass	actorODP:ResourceRelation^C *and* actorODP:participantRole^{op} value manufacturer^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:participationIn [op] some http://w3id.org/CEON/ontology/processODP/Process [C] *and* actorODP:CollaborationParticipation [C]

Producing Resource [C]

IRI

`http://w3id.org/CEON/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/CEON/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/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`

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:participantRole ^{op} some ActorResourceRole ^C *and* actorODP:participatingActor ^{op} some actorODP:Actor ^C *and* actorODP:Participation ^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/CEO
N/ontology/actorODP
/Role
```

Super Class Of

ActorCollaborationRole ^C
ActorResourceRole ^C

Cvn ^C

IRI
```
http://w3id.org/CEO
N/ontology/cvn/CVN
```

Sub Class Of http://w3id.org/CEON/ont
ology/cvn/Collaboration ^C

Collaboration ^C

IRI
```
http://w3id.org/CEO
N/ontology/cvn/Coll
aboration
```

Super Class Of http://w3id.org/CEON/ont
ology/cvn/CVN ^C

Process ^C

IRI
```
http://w3id.org/CEO
N/ontology/processO
DP/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