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

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

Sub Class Of actorODP:Role C

Named Individuals

buyerni
consumerni
issuerni
ownerni
producerni
providerni
resellerni
sellerni
supplierni
updaterni
userni

Buying Resource^C

Sub Class Of actorODP:ResourceRelation^C

<u>viewer</u>ni

<u>Equivalentclass</u> <u>actorODP:ResourceRelation^C and actorODP:participantRole^{op} value buyer^C</u>

Cvn Participation ^c

IRI http://w3id.org/CEON/ontology/actor/CVNParticipation

Sub Class Of

actorODP:CollaborationParticipation^C

 $\frac{actorODP:participationIn}{actorODP:participationParticipation}^{op} some \\ \frac{http://w3id.org/CEON/ontology/cvn/CVN}{and} \\ \frac{actorODP:CollaborationParticipation}{actorODP:participatingActor}^{op} some \\ \frac{actorODP:Actor}{and} \\ \frac{actorODP:participantRole}{actorODP:participantRole}^{op} some \\ \frac{actorCVNRole}{actorCVNRole}^{op}$

Consuming Resource ^C

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:ResourceRelation^c and actorODP:participantRole^{op} value consumer

С

Issuing Resource ^C

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:ResourceRelation and actorODP:participantRole pop value issuer actorODP:

Manufacturing Resource ^c

IRI http://w3id.org/CEON/ontology/actor/ManufacturingResource

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:ResourceRelation and actorODP:participantRole op value

manufacturer ^C

Owning Resource ^C

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:participantRole op value owner and actorODP:ResourceRelation actorODP:R

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:CollaborationParticipation^c and actorODP:participatingActor^{op} some

 $\frac{actor ODP: Actor ^{\texttt{C}} \ and \ actor ODP: participation In ^{op} \ some \\ \underline{http://w3id.org/CEON/ontology/processODP/Process ^{\texttt{C}}}$

Producing Resource^C

Sub Class Of actorODP:ResourceRelation C

Equivalentclass actorODP:participantRole op value producer and actorODP:ResourceRelation actorOD

Providing Resource^C

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:ResourceRelation and actorODP:participantRole op value provider and actorODP:participantRole op value provider and actorODP:

Reselling Resource^C

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:participantRole op value reseller and actorODP:ResourceRelation

Selling Resource^C

Sub Class Of actorODP:ResourceRelation^C

<u>Equivalentclass</u> <u>actorODP:participantRole^{op} value seller^c and actorODP:ResourceRelation^c</u>

Supplying Resource^C

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:participantRole op value supplier and actorODP:ResourceRelation actorODP:ResourceRelation

Updating Resource C

Sub Class Of actorODP:ResourceRelation C

Equivalentclass actorODP:participantRole op value updater and actorODP:ResourceRelation actorODP:ResourceRelation actorODP:ResourceRelation actorODP:

Using Resource^C

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:participantRole^{op} value user^c and actorODP:ResourceRelation^c

Viewing Resource^C

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:participantRole op value viewer and actorODP:ResourceRelation actorODP:ResourceRelation actorODP:ResourceRelation actorODP:

Actor ^C

http://w3id.org/CEON/ontology/actorODP/Actor

Capability ^C

In Domain Of

<u>capabilityExtent</u>^{op}

neededResourceRelation op

Collaboration Participation ^c

http://w3id.org/CEON/ontology/actorODP/CollaborationPartic

ipation

Super Class Of <u>CVNParticipation</u>^C

ProcessParticipation^C

Participation ^C

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:participatingActor op some actorODP:Actor and actorODP:participantRole op some ActorResourceRole c **Super Class Of** BuyingResource^C ConsumingResource^C <u>IssuingResource</u>^C ManufacturingResource^C OwningResource C ProducingResource^C ProvidingResource^C ResellingResource^C SellingResource^C <u>SupplyingResource</u>^C <u>UpdatingResource</u>^C <u>UsingResource</u>^C <u>ViewingResource</u>^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/CVNC Process ^c IRI http://w3id.org/CEON/ontology/processODP/Process Resource ^c

http://w3id.org/CEON/ontology/resourceODP/Resource

IRI

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

Sub Property Of actorODP:capabilityProperty op

Domain actorODP:Capability^C

capability property op

Super Property Of

- capabilityExtent op
- neededResourceRelation op

participant role op

participating actor op

participating resource op

ce

participation in op

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

