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/0.3/

Version Info

0.3

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

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 and actorODP:participantRole pyerc

Cvn Participation ^C

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

Sub Class Of

actorODP:CollaborationParticipation^C

<u>actorODP:participatingActor^{op}</u> some <u>actorODP:Actor^c</u> and <u>actorODP:participantRole^{op}</u> some <u>ActorCVNRole^c</u> and

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

http://w3id.org/CEON/ontology/cvn/CVNC

Consuming Resource ^C

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

Sub Class Of actorODP:ResourceRelation^C

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

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:ResourceRelation^c and actorODP:participantRole^{op} value manufacturer

С

Owning Resource^C

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

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass <u>actorODP:participantRole op value owner and actorODP:ResourceRelation actorODP:ResourceRelation actorODP:ResourceRelation actorODP:</u>

Process Participation ^C

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

Sub Class Of

actorODP:CollaborationParticipation^c

actorODP:CollaborationParticipation^c and actorODP:participatingActor^{op} some actorODP:Actor^c and actorODP:participantRole^{op} some ActorProcessRole^c and

actorODP:participationIn op some

http://w3id.org/CEON/ontology/processODP/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 and actorODP:ResourceRelation actorODP:ResourceRelation actorODP:

Providing Resource^C

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

Sub Class Of actorODP:ResourceRelation^C

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

Reselling Resource^C

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

Sub Class Of actorODP:ResourceRelation^c

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

Selling Resource ^C

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

Sub Class Of actorODP:ResourceRelation^C

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

Supplying Resource^C

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

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass <u>actorODP:participantRole op value supplier and actorODP:ResourceRelation actorODP:ResourceRelation actorODP:ResourceRelation actorODP:</u>

Updating Resource ^C

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

Sub Class Of actorODP:ResourceRelation^C

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

Using Resource^C

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

Sub Class Of actorODP:ResourceRelation^C

Equivalentclass actorODP:participantRole op value user and actorODP:ResourceRelation actorODP:Re

Viewing Resource^C

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

Sub Class Of actorODP:ResourceRelation^c

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

Actor ^C

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

Capability ^C

IRI http://w3id.org/CEON/ontology/actorODP/Capability

In Domain Of

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

neededResourceRelation op

Collaboration Participation ^C

IRI http://w3id.org/CEON/ontology/actorODP/CollaborationParticipation

Super Class Of

<u>CVNParticipation^c</u> <u>ProcessParticipation^c</u>

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:participantRole^{op} some ActorResourceRole^c and

actorODP:participatingActor^{op} some actorODP:Actor^c and actorODP:Participation^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

Collaboration ^C

IRI http://w3id.org/CEON/ontology/cvn/Collaboration

Super Class Of 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

- capabilityExtentop
- 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 uriap

IRI

http://purl.org/vocab/vann/preferredNamespaceUri

covers requirements ap

IRI

http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#covers Requirements

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

ар

Annotation Properties