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]

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/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	buyer [ni] consumer [ni] issuer [ni] owner [ni] producer [ni] provider [ni] reseller [ni] seller [ni] supplier [ni] updater [ni] user [ni] viewer [ni]

Buying Resource [C]

IRI	http://w3id.org/CEON/ontology/actor/BuyingResource
Sub Class Of	actorODP:ResourceRelation [C]
Equivalentclass	actorODP:participantRole [op] value buyer [C] *and* actorODP:ResourceRelation [C]

Cvn Participation [C]

IRI	http://w3id.org/CEON/ontology/actor/CVNParticipation
Sub Class Of	actorODP:CollaborationParticipation [C] actorODP:participatingActor [op] some actorODP:Actor [C] *and* actorODP:participationIn [op] some http://w3id.org/CEON/ontology/cvn/CVN [C] *and* actorODP:CollaborationParticipation [C] *and* actorODP:participantRole [op] some ActorCVNRole [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: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:participationIn ^{op} some http://w3id.org/CEON/ontology/processODP/Process ^C *and* actorODP:CollaborationParticipation ^C *and* actorODP:participantRole ^{op} some ActorCVNRole ^C *and* actorODP:participatingActor ^{op} some actorODP:Actor ^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:participantRole ^{op} value seller ^C *and* actorODP:ResourceRelation ^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:ResourceRelation ^C *and* actorODP:participantRole ^{op} value updater ^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:ResourceRelation ^C *and* actorODP:participantRole ^{op} value viewer ^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/CollaborationPartic ipation`

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:participantRole ^{op} some ActorResourceRole ^C *and* actorODP:participatingActor ^{op} some actorODP:Actor ^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/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/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/cpannotation 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/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