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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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	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:participantRole [op] some ActorCVNRole [C] *and* actorODP:CollaborationParticipation [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:ResourceRelation^C *and* actorODP:participantRole^{op} value issuer^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:participationIn^{op} some
http://w3id.org/CEON/ontology/process/Process^C *and*
actorODP:CollaborationParticipation^C *and* actorODP:participantRole^{op} some
ActorCVNRole^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:participantRole^{op} value provider^C *and* actorODP:ResourceRelation^C

Reselling Resource ^C

IRI	http://w3id.org/CEON/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/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:participantRole ^{op} value supplier ^C *and* actorODP:ResourceRelation ^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:participatingResource ^{op} some
http://w3id.org/CEON/ontology/resourceODP/Resource ^C *and*
actorODP:Participation ^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/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