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