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

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.2: 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:ResourceRelation [C] *and* actorODP:participantRole [op] value buyer [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:CollaborationParticipation [C] *and* actorODP:participantRole [op] some ActorCVNRole [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:ResourceRelation [C] *and* actorODP:participantRole [op] value consumer [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]

Organisation [C]

IRI	`http://w3id.org/CEON/ontology/actor/Organisation`
Is Defined By	ISO 59004:2024 - 3.4.1 organization
Description	Person or group of people that has its own functions with responsibilities, authorities, and relationships to achieve its objectives. The concept of organization includes, but is not limited to sole-trader, company, corporation, firm, enterprise, authority, partnership, charity or institution, or part or combination thereof, whether incorporated or not, public or private (e.g. foundation, union, association, agency, municipality, region, country, intergovernmental agencies). A group of organizations can also be considered as an organization that has, alone or collectively,their own objectives.
Sub Class Of	actorODP:Actor [C]

Owning Resource [C]

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

Person ^C

IRI `http://w3id.org/CEON/ontology/actor/Person`

Sub Class Of actorODP:Actor ^C

Process Participation ^C

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

Sub Class Of

actorODP:CollaborationParticipation ^C
actorODP:CollaborationParticipation ^C *and* actorODP:participationIn ^{op} some
http://w3id.org/CEON/ontology/processODP/Process ^C *and*
actorODP:participantRole ^{op} some ActorProcessRole ^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:participantRole ^{op} value producer ^C *and* actorODP:ResourceRelation ^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

Interested partyStakeholder ^C

IRI   `http://w3id.org/CEON/ontology/actor/Stakeholder`

Is Defined By   ISO 59004:2024 - 3.4.2 interested party, stakeholder

Description   Person or organization that can affect, be affected by, or perceive itself to be affected by a decision or activity. To "perceive itself to be affected" means the perception has been made known to the organization.

Sub Class Of   Person ^C *or* Organisation ^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: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`

Super Class Of Organisation ^C
                   Person ^C

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:participatingResource ^{op} some
http://w3id.org/CEON/ontology/resourceODP/Resource ^C *and*
actorODP:participatingActor ^{op} some actorODP:Actor ^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