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 D2.3: 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:CollaborationParticipation [C] *and* actorODP:participantRole [op] some ActorCVNRole [C] *and* actorODP:participationIn [op] some http://w3id.org/CEON/ontology/cvn/CVN [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: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:participantRole [op] value manufacturer [C] *and* actorODP:ResourceRelation [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:participantRole [op] value owner [C] *and* actorODP:ResourceRelation [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:participatingActor ^{op} some actorODP:Actor ^C *and* actorODP:participationIn ^{op} some http://w3id.org/CEON/ontology/processODP/Process ^C *and* actorODP:CollaborationParticipation ^C *and* actorODP:participantRole ^{op} some ActorProcessRole ^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: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:participantRole ^{op} value seller ^C *and* actorODP:ResourceRelation ^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: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:ResourceRelation ^C *and* actorODP:participantRole ^{op} value viewer ^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: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
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