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:CollaborationParticipation ^C *and* actorODP:participatingActor ^{op} some actorODP:Actor ^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: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]

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: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:participantRole ^{op} some ActorProcessRole ^C *and*
actorODP:CollaborationParticipation ^C *and* actorODP:participatingActor ^{op} some
actorODP:Actor ^C *and* actorODP:participationIn ^{op} some
http://w3id.org/CEON/ontology/processODP/Process ^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:participantRole ^{op} some ActorResourceRole ^C *and*
actorODP:participatingActor ^{op} some actorODP:Actor ^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

<table>
<tr><td colspan="2">

preferred namespace uri ^{ap}

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<tr><td>**IRI**</td><td>`http://purl.org/vocab/vann/preferredNamespaceUri`</td></tr>
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<tr><td colspan="2">

covers requirements ^{ap}

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<tr><td>**IRI**</td><td>`http://www.ontologydesignpatterns.org/schemas/cpannotation schema.owl#coversRequirements`</td></tr>
</table>

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