

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/0.1/actor/>

Version Info

0.1

Preferred Namespace Prefix

actor

Preferred Namespace Uri

<http://w3id.org/CEON/ontology/0.1/actor/>

Description

The Actor module of CEON (Circular Economy Ontology Network).

Covers Requirements

What are the roles of this actor in this network?

Classes

Actor Cvn Role^c

IRI

<http://w3id.org/CEON/ontology/actor/ActorCVNRole>

Sub Class Of

[actor:ActorCollaborationRole^c](#)

Actor Collaboration Role^c

IRI <http://w3id.org/CEON/ontology/actor/ActorCollaborationRole>

Sub Class Of <http://w3id.org/CEON/ontology/actorODP/Role>^c

Super Class Of
[actor:ActorCVNRole](#)^c
[actor:ActorProcessRole](#)^c

Actor Process Role^c

IRI <http://w3id.org/CEON/ontology/actor/ActorProcessRole>

Sub Class Of [actor:ActorCollaborationRole](#)^c

Actor Resource Role^c

IRI <http://w3id.org/CEON/ontology/actor/ActorResourceRole>

Sub Class Of <http://w3id.org/CEON/ontology/actorODP/Role>^c

Buying Resource^c

IRI <http://w3id.org/CEON/ontology/actor/BuyingResource>

Sub Class Of <http://w3id.org/CEON/ontology/actorODP/ResourceRelation>^c

Equivalentclass <http://w3id.org/CEON/ontology/actorODP/ResourceRelation>^c *and*
<http://w3id.org/CEON/ontology/actorODP/participantRole>^{op} value

Cvn Participation^c

IRI <http://w3id.org/CEON/ontology/actor/CVNParticipation>

Sub Class Of
<http://w3id.org/CEON/ontology/actorODP/CollaborationParticipation>^c
<http://w3id.org/CEON/ontology/actorODP/Participation>^c *and*
<http://w3id.org/CEON/ontology/actorODP/participantRole>^{op} some
and <http://w3id.org/CEON/ontology/actorODP/participatingActor>^{op} some
and <http://w3id.org/CEON/ontology/actorODP/participationIn>^{op} some

Consuming Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ConsumingResource
Sub Class Of	^C
Equivalentclass	^C and ^{OP} value

Issuing Resource^C

IRI	http://w3id.org/CEON/ontology/actor/IssuingResource
Sub Class Of	^C
Equivalentclass	^C and ^{OP} value

Owning Resource^C

IRI	http://w3id.org/CEON/ontology/actor/OwningResource
Sub Class Of	^C
Equivalentclass	^{OP} value and ^C

Process Participation^C

IRI	http://w3id.org/CEON/ontology/actor/ProcessParticipation
Sub Class Of	^C ^{OP} some and ^{OP} some and ^{OP} some and ^C

Producing Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ProducingResource
Sub Class Of	^C
Equivalentclass	^C and ^{OP} value

Providing Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ProvidingResource
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C
Equivalentclass	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C <i>and</i> http://w3id.org/CEON/ontology/actorODP/participantRole ^{OP} value

Reselling Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ResellingResource
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C
Equivalentclass	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C <i>and</i> http://w3id.org/CEON/ontology/actorODP/participantRole ^{OP} value

Selling Resource^C

IRI	http://w3id.org/CEON/ontology/actor/SellingResource
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C
Equivalentclass	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C <i>and</i> http://w3id.org/CEON/ontology/actorODP/participantRole ^{OP} value

Supplying Resource^C

IRI	http://w3id.org/CEON/ontology/actor/SupplyingResource
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C
Equivalentclass	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C <i>and</i> http://w3id.org/CEON/ontology/actorODP/participantRole ^{OP} value

Updating Resource^C

IRI	http://w3id.org/CEON/ontology/actor/UpdatingResource
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C
Equivalentclass	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C <i>and</i> http://w3id.org/CEON/ontology/actorODP/participantRole ^{OP} value

Using Resource^C

IRI	http://w3id.org/CEON/ontology/actor/UsingResource
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C
Equivalentclass	http://w3id.org/CEON/ontology/actorODP/participantRole ^{op} value and http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C

Viewing Resource^C

IRI	http://w3id.org/CEON/ontology/actor/ViewingResource
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C
Equivalentclass	http://w3id.org/CEON/ontology/actorODP/participantRole ^{op} value and http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C

Actor^C

IRI	http://w3id.org/CEON/ontology/actorODP/Actor
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Capability^C

IRI	http://w3id.org/CEON/ontology/actorODP/Capability
In Domain Of	capability extent ^{op} needed resource relations ^{op}

Collaboration Participation^C

IRI	http://w3id.org/CEON/ontology/actorODP/CollaborationParticipation
Super Class Of	actor:CVNParticipation ^C actor:ProcessParticipation ^C

Participation^C

IRI	http://w3id.org/CEON/ontology/actorODP/Participation
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Resource Relation^C

IRI	http://w3id.org/CEON/ontology/actorODP/ResourceRelation
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/participantRole ^{op} some and http://w3id.org/CEON/ontology/actorODP/participatingActor ^{op} some and http://w3id.org/CEON/ontology/actorODP/participatingResource ^{op} some and http://w3id.org/CEON/ontology/actorODP/Participation ^C
Super Class Of	actor:BuyingResource ^C actor:ConsumingResource ^C actor:IssuingResource ^C actor:OwningResource ^C actor:ProducingResource ^C actor:ProvidingResource ^C actor:ResellingResource ^C actor:SellingResource ^C actor:SupplyingResource ^C actor:UpdatingResource ^C actor:UsingResource ^C actor:ViewingResource ^C

Role^C

IRI	http://w3id.org/CEON/ontology/actorODP/Role
Super Class Of	actor:ActorCollaborationRole ^C actor: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/process/Process
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Resource^c

IRI <http://w3id.org/CEON/ontology/resourceODP/Resource>

Object Properties

capability extent^{op}

IRI <http://w3id.org/CEON/ontology/actor/capabilityExtent>

Description

The extent of this capability, e.g. stating whether there are limits to the capability, such as a maximum amount or size of something.

Sub Property Of <http://w3id.org/CEON/ontology/actorODP/capabilityProperty>^{op}

Domain <http://w3id.org/CEON/ontology/actorODP/Capability>^c

needed resource relations^{op}

IRI <http://w3id.org/CEON/ontology/actor/neededResourceRelation>

Description

In order for an actor to have a capability, it needs to have certain resources, e.g. materials, infrastructure, know-how, information etc.

Sub Property Of <http://w3id.org/CEON/ontology/actorODP/capabilityProperty>^{op}

Domain <http://w3id.org/CEON/ontology/actorODP/Capability>^c

capability property^{op}

IRI <http://w3id.org/CEON/ontology/actorODP/capabilityProperty>

Super Property Of

- [capability extent](#)^{op}
- [needed resource relations](#)^{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/cpannotationschema.owl#coversRequirements

Namespaces

actor

<http://w3id.org/CEON/ontology/actor/>

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