

Circular Economy Ontology Network (CEON) - Actor ODP

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Actor ODP

Creator

Eva Blomqvist

Contributor

Huanyu Li

Mikael Lindcrantz

Robin Keskkä

Version Iri

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

Version Info

0.1

Preferred Namespace Prefix

actorODP

Preferred Namespace Uri

<https://w3id.org/CEON/ontoloy/actorODP/>

Description

A core ODP of the CEON ontology network, defining aspects of the actor concept.

Covers Requirements

Covers the following requirements from Onto-DESIDE D3.1: CVN-Process-3, CVN-Actor-1,4,6,7, CVN-Competency-3, CVN-Information-4, C11-1, C11-3, E1-6,6,6,9, E4-10

Classes

Actor ^c	
IRI	http://w3id.org/CEON/ontology/actorODP/Actor
In Domain Of	actorType ^{op}
In Range Of	capabilityOf ^{op} participatingActor ^{op}
Actor Type ^c	
IRI	http://w3id.org/CEON/ontology/actorODP/ActorType
In Range Of	actorType ^{op}

Capability^c

IRI	http://w3id.org/CEON/ontology/actorODP/Capability
In Domain Of	capabilityOf^{op} capabilityProperty^{op}
In Range Of	basedOnCapability^{op}

Collaboration Participation^c

IRI	http://w3id.org/CEON/ontology/actorODP/CollaborationParticipation
Sub Class Of	Participation^c
In Domain Of	basedOnCapability^{op} participationIn^{op}

Participation^c

IRI	http://w3id.org/CEON/ontology/actorODP/Participation
Sub Class Of	participationTimePoint^{dp} exactly 1 <u>1</u>^c or participationStartTime^{dp} exactly 1 <u>1</u>^c
In Domain Of	participantRole^{op} participatingActor^{op} participationStartTime^{dp} participationTimePoint^{dp}
Super Class Of	CollaborationParticipation^c ResourceRelation^c

Resource Relation^c

IRI	http://w3id.org/CEON/ontology/actorODP/ResourceRelation
Sub Class Of	Participation^c
In Domain Of	participatingResource^{op}

Role^c

IRI	http://w3id.org/CEON/ontology/actorODP/Role
In Range Of	participantRole^{op}

Collaboration^c

IRI	http://w3id.org/CEON/ontology/cvn/Collaboration
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Process^c

IRI <http://w3id.org/CEON/ontology/process/Process>

Resource^c

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

In Range Of [participatingResource^{op}](#)

Object Properties

actor type^{op}

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

Domain [Actor^c](#)

Range [ActorType^c](#)

based on capability^{op}

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

Domain [CollaborationParticipation^c](#)

Range [Capability^c](#)

capability of^{op}

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

Domain [Capability^c](#)

Range [Actor^c](#)

capability property^{op}

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

Domain [Capability^c](#)

has location^{op}

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

Domain [resourceODP:Resource^c or Actor^c](#)

participant role^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participantRole
Domain	Participation^c
Range	Role^c

participating actor^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participatingActor
Domain	Participation^c
Range	Actor^c

participating resource^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participatingResource
Domain	ResourceRelation^c
Range	resourceODP:Resource^c

participation in^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participationIn
Domain	CollaborationParticipation^c
Range	process:Process^c or cvn:Collaboration^c

Datatype Properties

participation end time^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/participationEndTime
Range	xsd:gMonthYear^c or xsd:date^c or xsd:gYear^c or xsd:dateTime^c

participation start time^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/participationStartTime
Domain	Participation^c
Range	xsd:gMonthYear^c or xsd:dateTime^c or xsd:gYear^c or xsd:date^c

participation time point^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/participationTimePoint
Domain	Participation
Range	xsd:date ^c or xsd:gMonthYear ^c or xsd:gYear ^c or xsd:dateTime ^c

Annotation Properties

contributor^{ap}

IRI	http://purl.org/dc/terms/contributor
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creator^{ap}

IRI	http://purl.org/dc/terms/creator
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description^{ap}

IRI	http://purl.org/dc/terms/description
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title^{ap}

IRI	http://purl.org/dc/terms/title
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preferred namespace prefix^{ap}

IRI	http://purl.org/vocab/vann/preferredNamespacePrefix
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preferred namespace uri^{ap}

IRI	http://purl.org/vocab/vann/preferredNamespaceUri
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covers requirements^{ap}

IRI	http://www.ontologydesignpatterns.org/schemas/cpannotation-schema.owl#coversRequirements
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Namespaces

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

cvn

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

dcterms

<http://purl.org/dc/terms/>
odp <http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#>
owl <http://www.w3.org/2002/07/owl#>
process <http://w3id.org/CEON/ontology/process/>
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#>
resourceODP <http://w3id.org/CEON/ontology/resourceODP/>
vann <http://purl.org/vocab/vann/>
xsd <http://www.w3.org/2001/XMLSchema#>

Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties