

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 Lindecrantz

Robin Keskisärkkä

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/ontology/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/actor0DP/Actor>

In Domain Of [actorType](#)^{op}

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

Actor Type^C

IRI <http://w3id.org/CEON/ontology/actor0DP/ActorType>

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

Capability^C

IRI <http://w3id.org/CEON/ontology/actor0DP/Capability>

In Domain Of [capabilityOf](#)^{op}
[capabilityProperty](#)^{op}

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

Collaboration Participation^c

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

Participation^c

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

Resource Relation^C

IRI <http://w3id.org/CEON/ontology/actor0DP/ResourceRelation>

Sub Class Of [Participation^C](#)

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

Role^C

IRI <http://w3id.org/CEON/ontology/actor0DP/Role>

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

Collaboration^C

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

Process^C

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

Resource^c

IRI	http://w3id.org/CEON/ontology/resourceODP/Resource
<u>In Range Of</u>	<u>participatingResource</u> ^{op}

Object Properties

actor type^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/actorType
<u>Domain</u>	<u>Actor</u> ^c
<u>Range</u>	<u>ActorType</u> ^c

based on capability^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/basedOnCapability
<u>Domain</u>	<u>CollaborationParticipation</u> ^c
<u>Range</u>	<u>Capability</u> ^c

capability of^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/capabilityOf
<u>Domain</u>	<u>Capability</u> ^c
<u>Range</u>	<u>Actor</u> ^c

capability property^{op}

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

has location^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/hasLocation
<u>Domain</u>	<u>Actor</u> ^c <i>or</i> <u>resourceODP:Resource</u> ^c

participant role^{op}

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

participating actor^{op}

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

participating resource^{op}

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

participation in^{op}

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

Datatype Properties

participation end time^{dp}

IRI <http://w3id.org/CEON/ontology/actor0DP/participationEndTime>

Range [xsd:gMonthYear^c](#) *or* [xsd:dateTime^c](#) *or* [xsd:date^c](#) *or* [xsd:gYear^c](#)

participation start time^{dp}

IRI <http://w3id.org/CEON/ontology/actor0DP/participationStartTime>

Domain [Participation^c](#)

Range [xsd:dateTime^c](#) *or* [xsd:date^c](#) *or* [xsd:gMonthYear^c](#) *or* [xsd:gYear^c](#)

participation time point^{dp}

IRI	http://w3id.org/CEON/ontology/actor0DP/participationTimePoint
<u>Domain</u>	Participation ^c
<u>Range</u>	xsd:gMonthYear ^c or xsd:gYear ^c or xsd:dateTime ^c or xsd:date ^c

Annotation Properties

contributor^{ap}

IRI	http://purl.org/dc/terms/contributor
------------	---

creator^{ap}

IRI	http://purl.org/dc/terms/creator
------------	---

description^{ap}

IRI	http://purl.org/dc/terms/description
------------	---

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

:

<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/CE0N/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/CE0N/ontology/resourceODP/>

vann

<http://purl.org/vocab/vann/>

xsd

<http://www.w3.org/2001/XMLSchema#>

Legend

c	Classes
op	Object Properties
dp	Data type Properties
ap	Annotation Properties