

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/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 |
| <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>resourceODP:Resource</u> ^c or <u>Actor</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> | cvn:Collaboration ^c <i>or</i> process:Process ^c |

Datatype Properties

participation end time^{dp}

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

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

participation start time^{dp}

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

Domain [Participation^c](#)

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

participation time point^{dp}

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

Domain [Participation](#)^c

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