

Circular Economy Ontology Network (CEON) - Actor ODP

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Actor ODP

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Version Iri

<http://w3id.org/CEON/ontology/actorODP/0.3/>

Version Info

0.3

Preferred Namespace Prefix

actorODP

Preferred Namespace Uri

<http://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	participatingActor ^{op}

Actor Type^C

IRI	http://w3id.org/CEON/ontology/actorODP/ActorType
<u>In Range Of</u>	<u>actorType</u> ^{op}

Capability^C

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

Collaboration Participation^C

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

Infrastructure^C

IRI	http://w3id.org/CEON/ontology/actorODP/Infrastructure
<u>In Range Of</u>	<u>participating_infrastructure</u> ^{op}

Participation^c

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

Resource Participation^c

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

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/processODP/Process>

Resource^c

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

In Range Of [participatingObject^{op}](#)
[participatingResource^{op}](#)
[participatingSubject^{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](#) or [Infrastructure^c](#)

capability property^{op}

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

participant role^{op}

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

participating actor^{op}

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

participating object^{op}

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

participating resource^{op}

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

participating subject^{op}

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

participating_infrastructure^{op}

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

participation in^{op}

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

Datatype Properties

participation end time^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/participationEndTime
<u>Domain</u>	Participation ^c
<u>Range</u>	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/actorODP/participationStartTime
<u>Domain</u>	Participation ^c
<u>Range</u>	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](#)^c

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

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
definition ^{ap}	
IRI	http://www.w3.org/2004/02/skos/core#definition
pref label ^{ap}	
IRI	http://www.w3.org/2004/02/skos/core#prefLabel

Namespaces

:

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

cvn

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

dcterms

<http://purl.org/dc/terms/>

geo

<http://www.opengis.net/ont/geosparql#>

odp

<http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#>

owl

<http://www.w3.org/2002/07/owl#>

processODP

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

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/>

skos

<http://www.w3.org/2004/02/skos/core#>

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