

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

Covers the following requirements from Onto-DESIDE D3.2: CE1-1, CE2-1, CE2-2, CE4-2, CE6-3, CE12-1, CE10-1, CE10-4, CE10-9, CVN-Actor-1,4,6,7, CVN-Competency-3, 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
In Range Of	actorType^{op}

Capability^C

IRI <http://w3id.org/CE0N/ontology/actor0DP/Capability>

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

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

Collaboration Participation^C

IRI <http://w3id.org/CE0N/ontology/actor0DP/CollaborationParticipation>

Sub Class Of [Participation^C](#)

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

Infrastructure^C

IRI <http://w3id.org/CE0N/ontology/actor0DP/Infrastructure>

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

Participation^C

IRI <http://w3id.org/CE0N/ontology/actor0DP/Participation>

Sub Class Of [participationStartTime^{dp} exactly 1 1^C](#) or [participationTimePoint^{dp} exactly 1 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/CE0N/ontology/actor0DP/ResourceParticipation>

Sub Class Of [Participation^C](#)

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

Resource Relation^C

IRI <http://w3id.org/CE0N/ontology/actor0DP/ResourceRelation>

Sub Class Of [Participation^C](#)

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

Role^C

IRI <http://w3id.org/CE0N/ontology/actor0DP/Role>

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

Collaboration^C

IRI <http://w3id.org/CE0N/ontology/cvn/Collaboration>

Process^C

IRI <http://w3id.org/CE0N/ontology/process0DP/Process>

Resource^C

IRI <http://w3id.org/CE0N/ontology/resource0DP/Resource>

In Range Of [participatingObject^{OP}](#)
[participatingResource^{OP}](#)
[participatingSubject^{OP}](#)

Object Properties

actor type^{OP}

IRI <http://w3id.org/CE0N/ontology/actor0DP/actorType>

Domain [Actor^C](#)

Range [ActorType^C](#)

based on capability^{OP}

IRI <http://w3id.org/CE0N/ontology/actor0DP/basedOnCapability>

Domain [CollaborationParticipation^C](#)

Range [Capability^C](#)

capability of^{op}

IRI <http://w3id.org/CE0N/ontology/actorODP/capabilityOf>

Domain [Capability^c](#)

Range [Infrastructure^c](#) or [Actor^c](#)

capability property^{op}

IRI <http://w3id.org/CE0N/ontology/actorODP/capabilityProperty>

Domain [Capability^c](#)

participant role^{op}

IRI <http://w3id.org/CE0N/ontology/actorODP/participantRole>

Domain [Participation^c](#)

Range [Role^c](#)

participating actor^{op}

IRI <http://w3id.org/CE0N/ontology/actorODP/participatingActor>

Domain [Participation^c](#)

Range [Actor^c](#)

participating object^{op}

IRI <http://w3id.org/CE0N/ontology/actorODP/participatingObject>

Domain [ResourceParticipation^c](#)

Range [resourceODP:Resource^c](#)

participating resource^{op}

IRI <http://w3id.org/CE0N/ontology/actorODP/participatingResource>

Domain [ResourceRelation^c](#)

Range [resourceODP:Resource^c](#)

participating subject^{op}

IRI	http://w3id.org/CE0N/ontology/actorODP/participatingSubject
Domain	ResourceParticipation^c
Range	resourceODP:Resource^c

participating_infrastructure^{op}

IRI	http://w3id.org/CE0N/ontology/actorODP/participating_infrastructure
Domain	Participation^c
Range	Infrastructure^c

participation in^{op}

IRI	http://w3id.org/CE0N/ontology/actorODP/participationIn
Domain	CollaborationParticipation^c
Range	processODP:Process^c or cvn:Collaboration^c

Datatype Properties

participation end time^{dp}

IRI	http://w3id.org/CE0N/ontology/actorODP/participationEndTime
Domain	Participation^c
Range	xsd:date^c or xsd:dateTime^c or xsd:gMonthYear^c or xsd:gYear^c

participation start time^{dp}

IRI	http://w3id.org/CE0N/ontology/actorODP/participationStartTime
Domain	Participation^c
Range	xsd:dateTime^c or xsd:gYear^c or xsd:gMonthYear^c or xsd:date^c

participation time point^{dp}

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

Domain [Participation](#)^c

Range [xsd:gYear](#)^c or [xsd:gMonthYear](#)^c or [xsd:date](#)^c or [xsd:dateTime](#)^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/cpannotation-schema.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/CE0N/ontology/actorODP/>

cvn

<http://w3id.org/CE0N/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/CE0N/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/CE0N/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