

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/0.1/>

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/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}

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}
[participationStartTime](#)^{dp}
[participationTimePoint](#)^{dp}

Super Class Of [CollaborationParticipation](#)^c
[ResourceRelation](#)^c

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/process/Process
Resource ^c	
IRI	http://w3id.org/CE0N/ontology/resourceODP/Resource
<u>In Range Of</u>	participatingResource ^{op}

Object Properties

actor type ^{op}	
IRI	http://w3id.org/CE0N/ontology/actorODP/actorType
<u>Domain</u>	Actor ^c
<u>Range</u>	ActorType ^c
based on capability ^{op}	
IRI	http://w3id.org/CE0N/ontology/actorODP/basedOnCapability
<u>Domain</u>	CollaborationParticipation ^c
<u>Range</u>	Capability ^c
capability of ^{op}	
IRI	http://w3id.org/CE0N/ontology/actorODP/capabilityOf
<u>Domain</u>	Capability ^c
<u>Range</u>	Actor ^c
capability property ^{op}	
IRI	http://w3id.org/CE0N/ontology/actorODP/capabilityProperty
<u>Domain</u>	Capability ^c
has location ^{op}	
IRI	http://w3id.org/CE0N/ontology/actorODP/hasLocation
<u>Domain</u>	resourceODP:Resource ^c or Actor ^c

participant role^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participantRole
Domain	Participation ^c
Range	Role ^c

participating actor^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participatingActor
Domain	Participation ^c
Range	Actor ^c

participating resource^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participatingResource
Domain	ResourceRelation ^c
Range	resourceODP:Resource ^c

participation in^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participationIn
Domain	CollaborationParticipation ^c
Range	cvm:Collaboration ^c or process:Process ^c

Datatype Properties

participation end time^{dp}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participationEndTime
Range	xsd:date ^c or xsd:gMonthYear ^c or xsd:dateTime ^c or xsd:gYear ^c

participation start time^{dp}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participationStartTime
Domain	Participation ^c
Range	xsd:date ^c or xsd:gMonthYear ^c or xsd:gYear ^c or xsd:dateTime ^c

participation time point^{dp}

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

Domain [Participation](#)^c

Range [xsd:date](#)^c or [xsd:dateTime](#)^c or [xsd:gYear](#)^c or [xsd:gMonthYear](#)^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/cannotation-schema.owl#coversRequirements>

Namespaces

:

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

cvn

<http://w3id.org/CE0N/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	Datatype Properties
ap	Annotation Properties