

Circular Economy Ontology Network (CEON) - Actor ODP

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Actor ODP

Publisher

Onto-DESIDE

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Version Iri

<http://w3id.org/CEON/ontology/actorODP/0.4/>

Version Info

0.4

Prior Version

0.3

Preferred Namespace Prefix

ceon-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/CE0N/ontology/actor0DP/ActorType
<u>In Range Of</u>	actorType ^{op}

Capability^c

IRI	http://w3id.org/CE0N/ontology/actor0DP/Capability
<u>In Domain Of</u>	capabilityOf ^{op} capabilityProperty ^{op}
<u>In Range Of</u>	basedOnCapability ^{op}

Collaboration Participation^c

IRI	http://w3id.org/CE0N/ontology/actor0DP/CollaborationParticipation
<u>Sub Class Of</u>	Participation ^c
<u>In Domain Of</u>	basedOnCapability ^{op} participationIn ^{op}

Infrastructure^c

IRI	http://w3id.org/CE0N/ontology/actor0DP/Infrastructure
<u>In Range Of</u>	participatingInfrastructure ^{op}

Participation^c

IRI	http://w3id.org/CE0N/ontology/actor0DP/Participation
<u>Sub Class Of</u>	participationStartTime ^{dp} <i>exactly 1</i> 1 ^c <i>or</i> participationTimePoint ^{dp} <i>exactly 1</i> 1 ^c
<u>In Domain Of</u>	participantRole ^{op} participatingActor ^{op} participatingInfrastructure ^{op} participationEndTime ^{dp} participationStartTime ^{dp} participationTimePoint ^{dp}
<u>Super Class Of</u>	CollaborationParticipation ^c ResourceParticipation ^c ResourceRelation ^c

Resource Participation^c

IRI	http://w3id.org/CE0N/ontology/actor0DP/ResourceParticipation
<u>Sub Class Of</u>	Participation^c
<u>In Domain Of</u>	participatingObject^{op} participatingSubject^{op}

Resource Relation^c

IRI	http://w3id.org/CE0N/ontology/actor0DP/ResourceRelation
<u>Sub Class Of</u>	Participation^c
<u>In Domain Of</u>	participatingResource^{op}

Role^c

IRI	http://w3id.org/CE0N/ontology/actor0DP/Role
<u>In Range Of</u>	participantRole^{op}

Collaboration^c

IRI	http://w3id.org/CE0N/ontology/cvn/Collaboration
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Process^c

IRI	http://w3id.org/CE0N/ontology/process0DP/Process
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Resource^c

IRI	http://w3id.org/CE0N/ontology/resource0DP/Resource
<u>In Range Of</u>	participatingObject^{op} participatingResource^{op} participatingSubject^{op}

Object Properties

actor type^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/actorType
<u>Domain</u>	Actor ^c
<u>Range</u>	ActorType ^c

based on capability^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/basedOnCapability
<u>Domain</u>	CollaborationParticipation ^c
<u>Range</u>	Capability ^c

capability of^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/capabilityOf
<u>Domain</u>	Capability ^c
<u>Range</u>	Actor ^c or Infrastructure ^c

capability property^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/capabilityProperty
<u>Domain</u>	Capability ^c

participant role^{op}

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

participating actor^{op}

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

participating infrastructure^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participatingInfrastructure
<u>Domain</u>	Participation ^c
<u>Range</u>	Infrastructure ^c

participating object^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participatingObject
<u>Domain</u>	ResourceParticipation ^c
<u>Range</u>	resourceODP:Resource ^c

participating resource^{op}

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

participating subject^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participatingSubject
<u>Domain</u>	ResourceParticipation ^c
<u>Range</u>	resourceODP:Resource ^c

participation in^{op}

IRI	http://w3id.org/CE0N/ontology/actor0DP/participationIn
<u>Domain</u>	CollaborationParticipation ^c
<u>Range</u>	cyn:Collaboration ^c or processODP:Process ^c

Datatype Properties

participation end time ^{dp}	
IRI	http://w3id.org/CE0N/ontology/actor0DP/participationEndTime
Domain	Participation ^c
Range	xsd:gYear ^c or xsd:date ^c or xsd:gMonthYear ^c or xsd:dateTime ^c

participation start time ^{dp}	
IRI	http://w3id.org/CE0N/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/CE0N/ontology/actor0DP/participationTimePoint
Domain	Participation ^c
Range	xsd:gYear ^c or xsd:date ^c or xsd:gMonthYear ^c or xsd:dateTime ^c

Namespaces

:	http://w3id.org/CE0N/ontology/actor0DP/
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/process0DP/
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/resource0DP/
vann	

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

xsd

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

Legend

c	Classes
op	Object Properties
dp	Datatype Properties