

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
<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}

Participation^c

IRI	http://w3id.org/CE0N/ontology/actor0DP/Participation
<u>Sub Class Of</u>	participationTimePoint^{dp} <i>exactly 1</i> 1^c <i>or</i> participationStartTime^{dp} <i>exactly 1</i> 1^c
<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/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/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>	Actor ^c or resourceODP:Resource ^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	process:Process ^c or cvm:Collaboration ^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:gYear ^c or xsd:dateTime ^c

participation start time^{dp}

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

participation time point^{dp}

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

Annotation Properties

contributor^{ap}

IRI	http://purl.org/dc/terms/contributor
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creator^{ap}

IRI	http://purl.org/dc/terms/creator
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description^{ap}

IRI	http://purl.org/dc/terms/description
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title^{ap}

IRI	http://purl.org/dc/terms/title
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preferred namespace prefix^{ap}

IRI	http://purl.org/vocab/vann/preferredNamespacePrefix
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preferred namespace uri^{ap}

IRI	http://purl.org/vocab/vann/preferredNamespaceUri
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covers requirements^{ap}

IRI	http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements
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Namespaces

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<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