Circular Economy Ontology Network (CEON) - Actor ODP

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Actor ODP

Creator

Eva Blomqvist

Contributor

Huanyu Li

Mikael Lindecrantz

Robin Keskisärkkä

Date Created

2023-03-17

License

https://creativecommons.org/licenses/by/4.0/

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/ontoloy/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 D2.3: 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	<u>participatingActor</u> op
Actor Type ^c	
IRI	http://w3id.org/CEON/ontology/actorODP/ActorType
In Range Of	actorType op

Capability ^C

IRI http://w3id.org/CEON/ontology/actorODP/Capability

In Domain Of

capabilityOf^{op} capabilityProperty^{op}

In Range Of basedOnCapability op

Collaboration Participation ^C

Sub Class Of Participation^C

In Domain Of

basedOnCapability^{op}
participationIn^{op}

Infrastructure ^C

IRI http://w3id.org/CEON/ontology/actorODP/Infrastructure

In Range Of <u>participating_infrastructure^op</u>

Participation ^c

Sub Class Of participationTimePoint^{dp} exactly 1 1^c or participationStartTime^{dp} exactly 1 1^c

In Domain Of

<u>participantRole</u>^{op} <u>participatingActor</u>^{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

<u>participatingObject</u>^{op} <u>participatingSubject</u>^{op} Resource Relation ^C

Sub Class Of Participation C

In Domain Of participatingResource op

Role^C

In Range Of participantRole op

Collaboration ^C

IRI http://w3id.org/CEON/ontology/cvn/Collaboration

Process^C

Resource ^C

http://w3id.org/CEON/ontology/resourceODP/Resource

In Range Of

<u>participatingObject</u>^{op} <u>participatingResource</u>^{op} <u>participatingSubject</u>^{op}

Object Properties

actor type op

http://w3id.org/CEON/ontology/actorODP/actorType

Domain Actor^C

Range ActorType^C

based on capability op

http://w3id.org/CEON/ontology/actorODP/basedOnCapability

Domain CollaborationParticipation^C

Range Capability^C

capability of op

Domain Capability^C

Range <u>Infrastructure^c or Actor^c</u>

capability property op

Domain <u>Capability</u>^C

participant role op

Domain Participation^C

Range Role^C

participating actor op

Domain Participation^C

Range Actor^C

participating object op

IRI http://w3id.org/CEON/ontology/actorODP/participatingObject

Domain ResourceParticipation^C

Range resourceODP:Resource^C

participating resource op

Domain ResourceRelation^C

Range resourceODP:Resource^C

participating subject op

Domain ResourceParticipation^c

Range resourceODP:Resource^C

participating_infrastructure op

Domain Participation C

Range <u>Infrastructure</u>^C

participation in op

Domain CollaborationParticipation^C

Range <u>cvn:Collaboration</u> or <u>processODP:Process</u>

Datatype Properties

participation end time dp

IRI http://w3id.org/CEON/ontology/actorODP/participationEndTime

Domain Participation^C

Range xsd:gYear^c or xsd:dateTime^c or xsd:date^c or xsd:gMonthYear^c

participation start time dp

Domain Participation^C

Range xsd:date^c or xsd:gMonthYear^c or xsd:dateTime^c or xsd:gYear^c

participation time point dp

http://w3id.org/CEON/ontology/actorODP/participationTimePoint

Domain Participation^C

Range xsd:gMonthYear^c or xsd:gYear^c or xsd:dateTime^c or xsd:dateC

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

С	Classes
ор	Object Properties
dp	Datatype Properties
ap	Annotation Properties