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/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 D3.2: CE1-1, CE2-1, CE2-2, CE4-2, CE6-3, CE12-1, CE10-1, CE10-3, CE10-4, CE10-9, C3-6, C3-9, C11-1, C11-3, C13-8, C13-10, E1-6, E1-9, E4-10.

Classes

Actor ^C	
IRI	`http://w3id.org/CEON/ontology/actorODP/Actor`
In Range Of	participatingActor ^{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

IRI   `http://w3id.org/CEON/ontology/actorODP/CollaborationParticipation`

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   participatingInfrastructure ^{op}

Participation ^C

IRI   `http://w3id.org/CEON/ontology/actorODP/Participation`

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

In Domain Of
participantRole ^{op}
participatingActor ^{op}
participatingInfrastructure ^{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
participatingObject ^{op}
participatingSubject ^{op}

Resource Relation ^C

IRI	http://w3id.org/CEON/ontology/actorODP/ResourceRelation
Sub Class Of	Participation ^C
In Domain Of	participatingResource ^{op}

Role ^C

IRI	http://w3id.org/CEON/ontology/actorODP/Role
In Range Of	participantRole ^{op}

Collaboration ^C

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

Process ^C

IRI	http://w3id.org/CEON/ontology/processODP/Process

Resource ^C

IRI	http://w3id.org/CEON/ontology/resourceODP/Resource
In Range Of	participatingObject ^{op} participatingResource ^{op} participatingSubject ^{op}

Object Properties

based on capability ^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/basedOnCapability
Domain	CollaborationParticipation ^C
Range	Capability ^C

capability of ^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/capabilityOf
Domain	Capability ^C
Range	Actor ^C *or* Infrastructure ^C

capability property ^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/capabilityProperty
Domain	Capability ^c

participant role ^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participantRole
Domain	Participation ^c
Range	Role ^c

participating actor ^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participatingActor
Domain	Participation ^c
Range	Actor ^c

participating infrastructure ^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participatingInfrastructure
Domain	Participation ^c
Range	Infrastructure ^c

participating object ^{op}

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

participating resource ^{op}

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

participating subject ^{op}

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

participation in ^{op}

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

Datatype Properties

participation end time ^{dp}

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

participation start time ^{dp}

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

participation time point ^{dp}

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

---

issued ^{ap}

IRI http://purl.org/dc/terms/issued

---

license ^{ap}

IRI http://purl.org/dc/terms/license

---

publisher ^{ap}

IRI http://purl.org/dc/terms/publisher

---

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

<table>
<tr><td colspan="2">covers requirements ^{ap}</td></tr>
<tr><td>**IRI**</td><td>http://www.ontologydesignpatterns.org/schemas/cpannotation
schema.owl#coversRequirements</td></tr>
</table>

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/

vann

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

xsd

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

Legend

<table>
<tr><td>c</td><td>Classes</td></tr>
<tr><td>op</td><td>Object Properties</td></tr>
<tr><td>dp</td><td>Datatype Properties</td></tr>
<tr><td>ap</td><td>Annotation Properties</td></tr>
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