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/0.3/

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 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/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

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	participating_infrastructure ^{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} 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	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

actor type ^{op}

IRI	`http://w3id.org/CEON/ontology/actorODP/actorType`
Domain	Actor ^C
Range	ActorType ^C

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	Infrastructure ^C *or* Actor ^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 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

participating_infrastructure ^{op}

IRI	`http://w3id.org/CEON/ontology/actorODP/participating_infrastructure`
Domain	Participation ^C
Range	Infrastructure ^C

participation in ^{op}

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

Datatype Properties

participation end time ^{dp}

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

participation start time ^{dp}

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

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

<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>

covers requirements ap	
IRI	http://www.ontologydesignpatterns.org/schemas/cpannotation schema.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

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties