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/CollaborationPartic
ipation

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/ResourceParticipati
on

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	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 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	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:gYear ^c *or* xsd:date ^c *or* xsd:gMonthYear ^c

participation start time ^{dp}

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

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