Circular Economy Ontology Network (CEON) - Actor ODP

Metadata

IRI

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

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   participationTimePoint ^{dp} *exactly* 1 1 ^c *or* participationStartTime ^{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	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:gYear ^c or xsd:date ^c or xsd:dateTime ^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:gYear ^c or xsd:dateTime ^c or xsd:gMonthYear ^c

participation time point ^{dp}

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

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

Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties