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

Version Iri

http://w3id.org/CEON/ontology/actorODP/0.1/

Version Info

0.1

Preferred Namespace Prefix

actorODP

Preferred Namespace Uri

https://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	capabilityOf [op] 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}

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}
participationStartTime ^{dp}
participationTimePoint ^{dp}

Super Class Of

CollaborationParticipation ^C
ResourceRelation ^C

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/process/Process

Resource ^c

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

capability property ^{op}

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

has location ^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/hasLocation
Domain	Actor ^c *or* resourceODP:Resource ^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 resource ^{op}

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

participation in ^{op}

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

Datatype Properties

participation end time ^{dp}

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

participation time point ^{dp}

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

Annotation Properties

contributor ^{ap}

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

creator ^{ap}

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

description ^{ap}

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

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

Namespaces

:

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

cvn

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

dcterms

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

odp

http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#

owl

http://www.w3.org/2002/07/owl#

process

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

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

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties