Circular Economy Ontology Network (CEON) - Actor ODP

Metadata

IRI

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

Title

> Circular Economy Ontology Network (CEON) - Actor ODP

Creator

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Date Created

> 2023-03-17

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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 D2.3: 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	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:date ^C or xsd:gYear ^C or xsd:gMonthYear ^C or xsd:dateTime ^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:dateTime ^c *or* xsd:gYear ^c *or* xsd:date ^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/voc
ab/vann/preferredNa
mespacePrefix
```

preferred namespace uri ^{ap}

IRI
```
http://purl.org/voc
ab/vann/preferredNa
mespaceUri
```

covers requirements ^{ap}

IRI   http://www.ontology
designpatterns.org/
schemas/cpannotatio
nschema.owl#coversR
equirements

definition ^{ap}

IRI   http://www.w3.org/2
004/02/skos/core#de
finition

pref label ^{ap}

IRI   http://www.w3.org/2
004/02/skos/core#pr
efLabel

Namespaces

:

http://w3id.org/CEON/ontology/ac
torODP/

cvn

http://w3id.org/CEON/ontology/cv
n/

dcterms

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

geo

http://www.opengis.net/ont/geosp
arql#

odp

http://www.ontologydesignpattern
s.org/schemas/cpannotationschema
.owl#

owl

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

processODP

http://w3id.org/CEON/ontology/pr
ocessODP/

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/re
sourceODP/

skos

http://www.w3.org/2004/02/skos/c
ore#

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