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

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Version Iri

http://w3id.org/CEON/ontology/actorODP/0.2/

Version Info

0.2

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} hasActorLocation^{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   participationTimePoint ^{dp} *exactly* 1 1 ^C *or* participationStartTime ^{dp} *exactly* 1 1 ^C

In Domain Of

participantRole ^{op}
participatingActor ^{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	participatingResource ^{op}

Geometry ^C

IRI	`http://www.opengis.net/ont/geosparql#Geometry`
Description	A coherent set of direct positions in space. The positions are held within a Spatial Reference System (SRS).
In Domain Of	as GML ^{dp} as GeoJSON ^{dp} as WKT ^{dp}
In Range Of	hasActorLocation ^{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 actor location ^{op}

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

Domain   Actor ^C

Range   Geometry ^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

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

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

participation time point ^{dp}

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

as GML ^{dp}

IRI	`http://www.opengis.net/ont/geosparql#asGML`
Is Defined By	http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension/geometry-as-wkt-literal
Description	The GML serialization of a Geometry.
Domain	Geometry ^c
Range	geo:gmlLiteral

as GeoJSON ^{dp}

IRI	`http://www.opengis.net/ont/geosparql#asGeoJSON`
Is Defined By	http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension/geometry-as-wkt-literal
Description	The GeoJSON serialization of a Geometry.
Domain	Geometry ^c
Range	geo:geoJSONLiteral

as WKT ^{dp}

IRI	`http://www.opengis.net/ont/geosparql#asWKT`
Is Defined By	http://www.opengis.net/spec/geosparql/1.0/req/geometry-extension/geometry-as-wkt-literal
Description	The WKT serialization of a Geometry.
Domain	Geometry ^c
Range	geo:wktLiteral

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