

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/0.2/>

Version Info

0.2

Preferred Namespace Prefix

actorODP

Preferred Namespace Uri

<http://w3id.org/CEON/ontology/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	<u>actorType</u> ^{op} <u>hasActorLocation</u> ^{op}
In Range Of	<u>capabilityOf</u> ^{op} <u>participatingActor</u> ^{op}
Actor Type ^c	
IRI	http://w3id.org/CEON/ontology/actorODP/ActorType
In Range Of	<u>actorType</u> ^{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}

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} 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
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Process^c

IRI	http://w3id.org/CEON/ontology/processODP/Process
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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
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Description	A coherent set of direct positions in space. The positions are held within a Spatial Reference System (SRS).
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In Domain Of	as GML^{dp} as GeoJSON^{dp} as WKT^{dp}
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In Range Of	hasActorLocation^{op}
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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	cvn:Collaboration^c or processODP:Process^c

Datatype Properties

participation end time^{dp}

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

participation start time^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/participationStartTime
Domain	Participation^c
Range	xsd:gYear^c or xsd:date^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:gYear^c or xsd:date^c or xsd:gMonthYear^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
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created^{ap}

IRI	http://purl.org/dc/terms/created
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creator^{ap}

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

:

actor0DP <http://w3id.org/CEON/ontology/actor0DP/>

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