

Actor ODP

Metadata

IRI

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

Title

Actor ODP

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Version Iri

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

Version Info

0.1

Preferred Namespace Prefix

actorODP

Preferred Namespace Uri

<https://w3id.org/CEON/ontoloy/0.1/actorODP/>

Description

A core ODP of the CEON ontology network, defining aspects of the actor concept.

Classes

Actor^c

IRI

<http://w3id.org/CEON/ontology/actorODP/Actor>

Description

An agent able to act in the context of a circular value network, e.g. an organisation, person.

In Domain Of

[has actor type](#)^{op}

In Range Of

[Relates to the actor holding the capability](#)^{op}
[has participating actor](#)^{op}

Actor Type^c

IRI	http://w3id.org/CEON/ontology/actorODP/ActorType
Description	The type of an actor, e.g. the type of company, or a specific subtype based on the organisations capabilities.
In Range Of	has actor type ^{op}

Capability^c

IRI	http://w3id.org/CEON/ontology/actorODP/Capability
Description	Something that the actor is capable of doing, e.g. performing a certain role in a process, based on some properties, such as access to infrastructure, resources and know-how.
In Domain Of	Relates to the actor holding the capability. ^{op} capability property ^{op}
In Range Of	based on capability ^{op}

Circular Value Network Participation^c

IRI	http://w3id.org/CEON/ontology/actorODP/CollaborationParticipation
Description	The relation involving the role of a certain actor with respect to a value network or a process in such a network, e.g. an organisation (actor) acting as the recycler (role) in a glass recycling value network (network) at a specific point or period in time. Or an organisation (actor) acting as the dismantler (role) in a dismantling step of a building deconstruction process (process step) at a specific point or period in time.
Sub Class Of	Participation ^c
In Domain Of	based on capability ^{op} is a participation in ^{op}

Participation^c

IRI <http://w3id.org/CEON/ontology/actorODP/Participation>

Sub Class Of [start time](#)^{dp} *exactly* 1
[or time point](#)^{dp} *exactly* 1

In Domain Of [has participant role](#)^{op}
[has participating actor](#)^{op}

Super Class Of [Circular Value Network Participation](#)^c
[Resource Relation](#)^c

Resource Relation^c

IRI <http://w3id.org/CEON/ontology/actorODP/ResourceRelation>

Description The relation involving the role of a certain actor with respect to a certain resource, e.g. an organisation or individual (actor) owning (role) a specific product (resource) at a specific point or period in time.

Sub Class Of [Participation](#)^c

In Domain Of [has participating resource](#)^{op}

Role^c

IRI <http://w3id.org/CEON/ontology/actorODP/Role>

Description A role that an actor can take in a specific context. Applies both to roles in the context of resources, such as owner, manufacturer, reseller etc. of that resource, as well as roles in relation to a circular value network, such as recycler, dismantler, transporter etc., in relation to a material flow.

In Range Of [has participant role](#)^{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
<u>In Range Of</u>	has participating resource^{op}

Object Properties

has actor type^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/actorType
<u>Description</u>	The type of the actor.
<u>Domain</u>	Actor^c
<u>Range</u>	Actor Type^c

based on capability^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/basedOnCapability
<u>Description</u>	An actor participates in a collaboration based on that it has some capability that is useful for the collaboration.
<u>Domain</u>	Circular Value Network Participation^c
<u>Range</u>	Capability^c

Relates to the actor holding the capability.capability of^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/capabilityOf
<u>Domain</u>	Capability^c
<u>Range</u>	Actor^c

capability property^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/capabilityProperty
Description	Relates some properties to the capability, such as the parameters of it, or the needed resources.
Domain	Capability ^c

has participant role^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participantRole
Description	Holds the value of the role of the participant in this participation relation.
Domain	Participation ^c
Range	Role ^c

has participating actor^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participatingActor
Description	Holds the value of the actor involved in this participation relation.
Domain	Participation ^c
Range	Actor ^c

has participating resource^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participatingResource
Description	The resource that this participation relation relates to, i.e. for which the actor holds the specified role.
Domain	Resource Relation ^c
Range	http://w3id.org/CEON/ontology/resourceODP/Resource ^c

is a participation in ^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participationIn
Description	The collaboration or process that this participation relates to.
Domain	Circular Value Network Participation ^c
Range	http://w3id.org/CEON/ontology/process/Process ^c or http://w3id.org/CEON/ontology/cvn/Collaboration ^c

Datatype Properties

end time ^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/endTime
Description	The end of a time interval.
Range	xsd:date ^c or xsd:dateTime ^c or xsd:gYear ^c or xsd:gMonthYear ^c

start time ^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/startTime
Description	The start of a time interval.
Range	xsd:dateTime ^c or xsd:gYear ^c or xsd:date ^c or xsd:gMonthYear ^c

time point ^{dp}

IRI	http://w3id.org/CEON/ontology/actorODP/timePoint
Description	The point in time when something took place or was valid.
Range	xsd:gMonthYear ^c or xsd:gYear ^c or xsd:dateTime ^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

Namespaces

actorODP

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

dcterms

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

owl

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

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#>

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