

Circular Value Network

Metadata

IRI

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

Title

Circular Value Network

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Version Iri

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

Version Info

0.1

Preferred Namespace Prefix

cvn

Preferred Namespace Uri

<https://w3id.org/CEON/ontology/0.1/cvn/>

Description

A core module of the CEON ontology network, defining aspects of the circular value network (CVN) itself.

Classes

Participation^c

IRI

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

Circular Value Network^C

IRI	http://w3id.org/CEON/ontology/cvn/CVN
Description	An instantiation of a circular value network, i.e. a concrete network of different actors collaborating to achieve some goal.
Sub Class Of	Collaboration^C
In Domain Of	implements blueprint^{op} implementsStrategy^{op}

Circular Value Network Blueprint^C

IRI	http://w3id.org/CEON/ontology/cvn/CVNBlueprint
Description	A plan or a pattern of a CVN configuration that can then be filled with actual actors and processes. The blueprint can be used to capture a desired setup of a network, or for reusing patterns of CVNs.
In Domain Of	plansToImplementStrategy^{op}
In Range Of	implements blueprint^{op}

Circular Strategy^C

IRI	http://w3id.org/CEON/ontology/cvn/CircularStrategy
Description	A circular strategy, such as to recycle, reuse or refurbish something.
In Range Of	implementsStrategy^{op} plansToImplementStrategy^{op}

Collaboration^C

IRI	http://w3id.org/CEON/ontology/cvn/Collaboration
Description	Collaboration Some collaboration to achieve a goal.
Super Class Of	Circular Value Network^C

Process^c

IRI <http://w3id.org/CEON/ontology/process/Process>

In Domain Of [next process](#)^{op}

In Range Of [next process](#)^{op}

Resource^c

IRI <http://w3id.org/CEON/ontology/resourceODP/Resource>

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

Value^c

IRI <http://w3id.org/CEON/ontology/value/Value>

In Range Of [creates value](#)^{op}

Value Proposition^c

IRI <http://w3id.org/CEON/ontology/value/ValueProposition>

In Range Of [aims at value](#)^{op}

Object Properties

has actor type^{op}

IRI <http://w3id.org/CEON/ontology/cvn/actorType>

Description The type of the actor.

aims at value^{op}

IRI	http://w3id.org/CEON/ontology/cvn/aimsAtValue
Description	The value proposition that the planned abstract CVN configuration, or concrete network wants to achieve.
Domain	Circular Value Network Blueprint^c or Circular Value Network^c
Range	http://w3id.org/CEON/ontology/value/ValueProposition^c

composed of^{op}

IRI	http://w3id.org/CEON/ontology/cvn/composedOf
Description	Both a CVN and a process can be composed of other CVNs or processes.
Domain	http://w3id.org/CEON/ontology/process/Process^c or Circular Value Network^c
Range	http://w3id.org/CEON/ontology/process/Process^c or Circular Value Network^c

creates value^{op}

IRI	http://w3id.org/CEON/ontology/cvn/createsValue
Description	Value creation can be captured at the actor level, i.e. value created by an actor's participation in a collaboration, or at the process or complete CVN level.
Domain	Circular Value Network^c or http://w3id.org/CEON/ontology/process/Process^c or actorODP:Participation^c
Range	http://w3id.org/CEON/ontology/value/Value^c

implements blueprint^{op}

IRI	http://w3id.org/CEON/ontology/cvn/implementsBlueprint
Description	The blueprint (or plan) that this concrete CVN is an instance of.
Domain	Circular Value Network^c
Range	Circular Value Network Blueprint^c

implements strategy^{op}

IRI <http://w3id.org/CEON/ontology/cvn/implementsStrategy>

Sub Property Of [related strategy^{op}](#)

Domain [Circular Value Network^c](#)

Range [Circular Strategy^c](#)

next process^{op}

IRI <http://w3id.org/CEON/ontology/cvn/nextProcess>

Description Processes in a CVN are ordered in the sense that something has to be done before something else, since the input of one process may be the output of another.

Domain [http://w3id.org/CEON/ontology/process/Process^c](http://w3id.org/CEON/ontology/process/Process)

Range [http://w3id.org/CEON/ontology/process/Process^c](http://w3id.org/CEON/ontology/process/Process)

has participant role^{op}

IRI <http://w3id.org/CEON/ontology/cvn/participantRole>

Description Holds the value of the role of the participant in this participation relation.

has participating actor^{op}

IRI <http://w3id.org/CEON/ontology/cvn/participatingActor>

Description Holds the value of the actor involved in this participation relation.

has participating resource^{op}

IRI <http://w3id.org/CEON/ontology/cvn/participatingResource>

Description The resource that this participation relation relates to, i.e. for which the actor holds the specified role.

Range [http://w3id.org/CEON/ontology/resourceODP/Resource^c](http://w3id.org/CEON/ontology/resourceODP/Resource)

is a participation in ^{op}

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

plans to implement strategy ^{op}

IRI	http://w3id.org/CEON/ontology/cvn/plansToImplementStrategy
Sub Property Of	related strategy ^{op}
Domain	Circular Value Network Blueprint ^c
Range	Circular Strategy ^c

related strategy ^{op}

IRI	http://w3id.org/CEON/ontology/cvn/relatedStrategy
Description	A strategy that is targeted by this CVN or CVN blueprint.
Super Property Of	<ul style="list-style-type: none">• implementsStrategy^{op}• plansToImplementStrategy^{op}

Datatype Properties

end time ^{dp}

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

start time^{dp}

IRI <http://w3id.org/CEON/ontology/cvn/startTime>

Description The start of a time interval.

Range [xsd:date^c](#) or [xsd:dateTime^c](#) or [xsd:gMonthYear^c](#) or [xsd:gYear^c](#)

time point^{dp}

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

:

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

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