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/ontoloy/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 reccycle, 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 ᶜ *or* Circular Value Network Blueprint ᶜ

Range   http://w3id.org/CEON/ontology/value/ValueProposition ᶜ

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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

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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   http://w3id.org/CEON/ontology/process/Process ᶜ *or* actorODP:Participation ᶜ *or* Circular Value Network ᶜ

Range   http://w3id.org/CEON/ontology/value/Value ᶜ

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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
Range	http://w3id.org/CEON/ontology/process/Process ^c

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.

har 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

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

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 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