Circular Economy Ontology Network (CEON) - Circular Value Network Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Circular Value Network Module

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Version Iri

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

Version Info

0.1

Preferred Namespace Prefix

cvn

Preferred Namespace Uri

http://w3id.org/CEON/ontoloy/cvn/

Description

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

Covers Requirements

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.1: CVN-CVN-1,6, CVN-Process-1,6, CVN-VP-1,3, CVN-Type-3, C0-1.

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

Resource ^c

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

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

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	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	Circular Value Network ^c or process:Process ^c
Range	Circular Value Network ^c or process:Process ^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	process:Process^c *or* actorODP:Participation^c *or* Circular Value Network^c
Range	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

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}

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/

odp

http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#

owl

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

process

http://w3id.org/CEON/ontology/process/

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/

value

http://w3id.org/CEON/ontology/value/

vann

http://purl.org/vocab/vann/

xsd

http://www.w3.org/2001/XMLSchema#

Legend

c	Classes
op	Object Properties
ap	Annotation Properties