

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

Creator

Eva Blomqvist

Contributor

Huanyu Li

Mikael Lindecrantz

Robin Keskisärkkä

Date Created

2023-03-22

License

<https://creativecommons.org/licenses/by/4.0/>

Version Iri

<http://w3id.org/CEON/ontology/cvn/0.2/>

Version Info

0.2

Preferred Namespace Prefix

cvn

Preferred Namespace Uri

<http://w3id.org/CEON/ontology/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, CVN-Process-1,6, CVN-VP-1, CVN-Type-3, C0-1.

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.2: CE1-1, CE2-1, CE3-1, CE3-2, CE4-1, CE5-16, C0-1.

Classes

Participation^c

IRI

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

Cvn^C

IRI	http://w3id.org/CE0N/ontology/cvn/CVN
<u>Is Defined By</u>	ISO 59004:2024 - 3.5.3 value network
<u>Description</u>	A network of interlinked value chains and interested parties.
<u>Sub Class Of</u>	Collaboration ^C
<u>In Domain Of</u>	implementsBlueprint ^{op} implementsStrategy ^{op}

Cvn Blueprint^C

IRI	http://w3id.org/CE0N/ontology/cvn/CVNBlueprint
<u>In Domain Of</u>	plansToImplementStrategy ^{op}
<u>In Range Of</u>	implementsBlueprint ^{op}

Circular Strategy^C

IRI	http://w3id.org/CE0N/ontology/cvn/CircularStrategy
<u>In Range Of</u>	implementsStrategy ^{op} plansToImplementStrategy ^{op}

Collaboration^C

IRI	http://w3id.org/CE0N/ontology/cvn/Collaboration
<u>Super Class Of</u>	CVN ^C

Process^C

IRI	http://w3id.org/CE0N/ontology/processODP/Process
-----	---

Resource^C

IRI	http://w3id.org/CE0N/ontology/resourceODP/Resource
-----	---

Value^C

IRI	http://w3id.org/CE0N/ontology/value/Value
<u>In Range Of</u>	createsValue ^{op}

Value Proposition^c

IRI	http://w3id.org/CE0N/ontology/value/ValueProposition
<u>In Range Of</u>	aimsAtValue ^{op}

Object Properties

aims at value^{op}

IRI	http://w3id.org/CE0N/ontology/cvn/aimsAtValue
<u>Domain</u>	CVNBlueprint ^c or CVN ^c
<u>Range</u>	value:ValueProposition ^c

composed of^{op}

IRI	http://w3id.org/CE0N/ontology/cvn/composedOf
<u>Domain</u>	CVN ^c or processODP:Process ^c
<u>Range</u>	CVN ^c or processODP:Process ^c

creates value^{op}

IRI	http://w3id.org/CE0N/ontology/cvn/createsValue
<u>Domain</u>	CVN ^c or processODP:Process ^c or actorODP:Participation ^c
<u>Range</u>	value:Value ^c

implements blueprint^{op}

IRI	http://w3id.org/CE0N/ontology/cvn/implementsBlueprint
<u>Domain</u>	CVN ^c
<u>Range</u>	CVNBlueprint ^c

implements strategy^{op}

IRI	http://w3id.org/CE0N/ontology/cvn/implementsStrategy
<u>Sub Property Of</u>	relatedStrategy ^{op}
<u>Domain</u>	CVN ^c
<u>Range</u>	CircularStrategy ^c

plans to implement strategy^{op}

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

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

Domain [CVNBlueprint^c](#)

Range [CircularStrategy^c](#)

related strategy^{op}

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

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/>

actor

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

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#>

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/>

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