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/0.3/

Version Info

0.3

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, 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/CEON/ontology/cvn/CVN`
Is Defined By	ISO 59004:2024 - 3.5.3 value network
Description	A network of interlinked value chains and interested parties.
Sub Class Of	Collaboration [C]
In Domain Of	implementsBlueprint [op] implementsStrategy [op]

Cvn Blueprint [C]

IRI	`http://w3id.org/CEON/ontology/cvn/CVNBlueprint`
In Domain Of	plansToImplementStrategy [op]
In Range Of	implementsBlueprint [op]

Circular Strategy [C]

IRI	`http://w3id.org/CEON/ontology/cvn/CircularStrategy`
In Range Of	implementsStrategy [op] plansToImplementStrategy [op]

Collaboration [C]

IRI	`http://w3id.org/CEON/ontology/cvn/Collaboration`
Super Class Of	CVN [C]

Process [C]

IRI	`http://w3id.org/CEON/ontology/processODP/Process`

Resource [C]

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

Value [C]

IRI	`http://w3id.org/CEON/ontology/value/Value`
In Range Of	createsValue [op]

Value Proposition ^c

IRI	http://w3id.org/CEON/ontology/value/ValueProposition
In Range Of	aimsAtValue ^{op}

Object Properties

aims at value ^{op}

IRI	http://w3id.org/CEON/ontology/cvn/aimsAtValue
Domain	CVN ^c *or* CVNBlueprint ^c
Range	value:ValueProposition ^c

composed of ^{op}

IRI	http://w3id.org/CEON/ontology/cvn/composedOf
Domain	CVN ^c *or* processODP:Process ^c
Range	CVN ^c *or* processODP:Process ^c

creates value ^{op}

IRI	http://w3id.org/CEON/ontology/cvn/createsValue
Domain	processODP:Process ^c *or* actorODP:Participation ^c *or* CVN ^c
Range	value:Value ^c

implements blueprint ^{op}

IRI	http://w3id.org/CEON/ontology/cvn/implementsBlueprint
Domain	CVN ^c
Range	CVNBlueprint ^c

implements strategy ^{op}

IRI	http://w3id.org/CEON/ontology/cvn/implementsStrategy
Sub Property Of	relatedStrategy ^{op}
Domain	CVN ^c
Range	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