

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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Date Created

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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/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.

Classes

Participation^c

IRI

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

Cvn^C

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

Circular Strategy^C

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

Collaboration^C

| | |
|----------------|---|
| IRI | http://w3id.org/CE0N/ontology/cvn/Collaboration |
| Super Class Of | 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 |
| In Range Of | 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> | CVN ^C or CVNBlueprint ^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> | processODP:Process ^C or CVN ^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/CE0N/ontology/cvn/plansToImplementStrategy>

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

Domain [CVNBlueprint^c](#)

Range [CircularStrategy^c](#)

related strategy^{op}

IRI <http://w3id.org/CE0N/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/CE0N/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 |