

# 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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### License

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### 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 D2.3: CE1-1, CE2-1, CE3-1, CE3-2, CE4-1, CE5-16, C0-1.

## Classes

### Participation<sup>c</sup>

#### IRI

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

## Cvn<sup>C</sup>

IRI	<a href="http://w3id.org/CE0N/ontology/cvn/CVN">http://w3id.org/CE0N/ontology/cvn/CVN</a>
<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>	<a href="#">Collaboration</a> <sup>C</sup>
<u>In Domain Of</u>	<a href="#">implementsBlueprint</a> <sup>op</sup> <a href="#">implementsStrategy</a> <sup>op</sup>

## Cvn Blueprint<sup>C</sup>

IRI	<a href="http://w3id.org/CE0N/ontology/cvn/CVNBlueprint">http://w3id.org/CE0N/ontology/cvn/CVNBlueprint</a>
<u>In Domain Of</u>	<a href="#">plansToImplementStrategy</a> <sup>op</sup>
<u>In Range Of</u>	<a href="#">implementsBlueprint</a> <sup>op</sup>

## Circular Strategy<sup>C</sup>

IRI	<a href="http://w3id.org/CE0N/ontology/cvn/CircularStrategy">http://w3id.org/CE0N/ontology/cvn/CircularStrategy</a>
<u>In Range Of</u>	<a href="#">implementsStrategy</a> <sup>op</sup> <a href="#">plansToImplementStrategy</a> <sup>op</sup>

## Collaboration<sup>C</sup>

IRI	<a href="http://w3id.org/CE0N/ontology/cvn/Collaboration">http://w3id.org/CE0N/ontology/cvn/Collaboration</a>
<u>Super Class Of</u>	<a href="#">CVN</a> <sup>C</sup>

## Process<sup>C</sup>

IRI	<a href="http://w3id.org/CE0N/ontology/processODP/Process">http://w3id.org/CE0N/ontology/processODP/Process</a>
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## Resource<sup>C</sup>

IRI	<a href="http://w3id.org/CE0N/ontology/resourceODP/Resource">http://w3id.org/CE0N/ontology/resourceODP/Resource</a>
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## Value<sup>C</sup>

IRI	<a href="http://w3id.org/CE0N/ontology/value/Value">http://w3id.org/CE0N/ontology/value/Value</a>
<u>In Range Of</u>	<a href="#">createsValue</a> <sup>op</sup>

## Value Proposition<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/ValueProposition">http://w3id.org/CE0N/ontology/value/ValueProposition</a>
<b><u>In Range Of</u></b>	<a href="#">aimsAtValue</a> <sup>op</sup>

## Object Properties

### aims at value<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/cvn/aimsAtValue">http://w3id.org/CE0N/ontology/cvn/aimsAtValue</a>
<b><u>Domain</u></b>	<a href="#">CVNBlueprint</a> <sup>C</sup> or <a href="#">CVN</a> <sup>C</sup>
<b><u>Range</u></b>	<a href="#">value:ValueProposition</a> <sup>C</sup>

### composed of<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/cvn/composedOf">http://w3id.org/CE0N/ontology/cvn/composedOf</a>
<b><u>Domain</u></b>	<a href="#">CVN</a> <sup>C</sup> or <a href="#">processODP:Process</a> <sup>C</sup>
<b><u>Range</u></b>	<a href="#">processODP:Process</a> <sup>C</sup> or <a href="#">CVN</a> <sup>C</sup>

### creates value<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/cvn/createsValue">http://w3id.org/CE0N/ontology/cvn/createsValue</a>
<b><u>Domain</u></b>	<a href="#">actorODP:Participation</a> <sup>C</sup> or <a href="#">CVN</a> <sup>C</sup> or <a href="#">processODP:Process</a> <sup>C</sup>
<b><u>Range</u></b>	<a href="#">value:Value</a> <sup>C</sup>

### implements blueprint<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/cvn/implementsBlueprint">http://w3id.org/CE0N/ontology/cvn/implementsBlueprint</a>
<b><u>Domain</u></b>	<a href="#">CVN</a> <sup>C</sup>
<b><u>Range</u></b>	<a href="#">CVNBlueprint</a> <sup>C</sup>

### implements strategy<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/cvn/implementsStrategy">http://w3id.org/CE0N/ontology/cvn/implementsStrategy</a>
<b><u>Sub Property Of</u></b>	<a href="#">relatedStrategy</a> <sup>op</sup>
<b><u>Domain</u></b>	<a href="#">CVN</a> <sup>C</sup>
<b><u>Range</u></b>	<a href="#">CircularStrategy</a> <sup>C</sup>

plans to implement strategy<sup>op</sup>

**IRI** <http://w3id.org/CE0N/ontology/cvn/plansToImplementStrategy>

**Sub Property Of** [relatedStrategy<sup>op</sup>](#)

**Domain** [CVNBlueprint<sup>c</sup>](#)

**Range** [CircularStrategy<sup>c</sup>](#)

related strategy<sup>op</sup>

**IRI** <http://w3id.org/CE0N/ontology/cvn/relatedStrategy>

**Super Property Of**

- [implementsStrategy<sup>op</sup>](#)
- [plansToImplementStrategy<sup>op</sup>](#)

## Annotation Properties

contributor<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/contributor>

creator<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/creator>

description<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/description>

title<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/title>

preferred namespace prefix<sup>ap</sup>

**IRI** <http://purl.org/vocab/vann/preferredNamespacePrefix>

preferred namespace uri<sup>ap</sup>

**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