

Circular Economy Ontology Network (CEON) - Value Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Value Module

Publisher

Onto-DESIDE

Creator

Huanyu Li

Contributor

Eva Blomqvist
Mikael Lindecrantz
Robin Keskisärkkä

Date Created

2025-05-20

Date Issued

2025-06-30

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Version Iri

<http://w3id.org/CEON/ontology/value/0.3/>

Version Info

0.3

Preferred Namespace Prefix

ceon-value

Preferred Namespace Uri

<https://w3id.org/CEON/ontoloy/value/>

Description

A core ODP of the CEON ontology network, defining aspects of the value concept.

Covers Requirements

Covers the following requirements from Onto-DESIDE D3.2: CE1-3, CE5-16, CE5-17.

Classes

Resource ^c	
IRI	http://w3id.org/CEON/ontology/resourceODP/Resource
In Range Of	hasValuableResource^{op} targettingResource^{op}

Economic Value^c

IRI <http://w3id.org/CE0N/ontology/value/EconomicValue>

Sub Class Of [Value^c](#)

Equivalentclass [UseValue^c](#)

Environmental Value^c

IRI <http://w3id.org/CE0N/ontology/value/EnvironmentalValue>

Sub Class Of [Value^c](#)

Exchange Value^c

IRI <http://w3id.org/CE0N/ontology/value/ExchangeValue>

Sub Class Of [Value^c](#)

Social Value^c

IRI <http://w3id.org/CE0N/ontology/value/SocialValue>

Sub Class Of [Value^c](#)

Use Value^c

IRI <http://w3id.org/CE0N/ontology/value/UseValue>

Sub Class Of [Value^c](#)

Value^c

IRI	http://w3id.org/CEON/ontology/value/Value
<u>Is Defined By</u>	ISO 59004:2024 - 3.1.7 value
<u>Description</u>	Gain(s) or benefit(s) from satisfying needs and expectations, in relation to the use and conservation of resources. EXAMPLE: Revenue, savings, productivity, sustainability, satisfaction, empowerment, engagement, experience, public health, trust. Value is relative to, and determined by the perception of, those interested party(ies) able to capture it. Value can be financial or non-financial, e.g. social, environmental, other gains or benefits. Value is dynamic over time.
<u>In Range Of</u>	hasAimedValue ^{op} hasAssociatedValue ^{op}
<u>Super Class Of</u>	EconomicValue ^c EnvironmentalValue ^c ExchangeValue ^c SocialValue ^c UseValue ^c

Value Participation^c

IRI	http://w3id.org/CEON/ontology/value/ValueParticipation
<u>Sub Class Of</u>	actorODP:Participation
<u>In Domain Of</u>	hasValuableResource ^{op} hasValueParticipantRole ^{op}
<u>In Range Of</u>	onValueParticipation ^{op} targettingValueParticipation ^{op}
<u>Restriction</u>	hasAssociatedValue ^{op} some ValueParticipation ^c

Value Participation Role^c

IRI	http://w3id.org/CEON/ontology/value/ValueParticipationRole
<u>Sub Class Of</u>	actorODP:Role
<u>In Range Of</u>	hasValueParticipantRole ^{op}
<u>Named Individuals</u>	ValueConsumer ⁿⁱ ValueContributor ⁿⁱ ValueCreator ⁿⁱ ValueDestroyer ⁿⁱ ValueDistributor ⁿⁱ ValueEvaluator ⁿⁱ

Value Perception^C

IRI	http://w3id.org/CE0N/ontology/value/ValuePerception
<u>In Domain Of</u>	hasAssociatedValue ^{op} onValueParticipation ^{op}
<u>In Range Of</u>	hasPerception ^{op}

Value Proposition^C

IRI	http://w3id.org/CE0N/ontology/value/ValueProposition
<u>In Domain Of</u>	hasAimedValue ^{op} proposedBy ^{op} targettingActor ^{op} targettingResource ^{op} targettingValueParticipation ^{op}
<u>Restriction</u>	hasAimedValue ^{op} some ValueProposition ^C targettingActor ^{op} some ValueProposition ^C targettingValueParticipation ^{op} some ValueProposition ^C

Object Properties

has aimed value^{op}

IRI	http://w3id.org/CE0N/ontology/value/hasAimedValue
<u>Domain</u>	ValueProposition ^C
<u>Range</u>	Value ^C

has associated value^{op}

IRI	http://w3id.org/CE0N/ontology/value/hasAssociatedValue
<u>Sub Property Of</u>	topObjectProperty ^{op}
<u>Domain</u>	ValuePerception ^C
<u>Range</u>	Value ^C

has perception^{op}

IRI	http://w3id.org/CE0N/ontology/value/hasPerception
<u>Domain</u>	ValueProposition ^C <i>or</i> actorODP:Actor ^C
<u>Range</u>	ValuePerception ^C

has vp targets^{op}

IRI <http://w3id.org/CEON/ontology/value/hasVPTargets>

Super Property Of

- [targettingActor^{op}](#)
- [targettingResource^{op}](#)
- [targettingValueParticipation^{op}](#)

has valuable resource^{op}

IRI <http://w3id.org/CEON/ontology/value/hasValuableResource>

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

Domain [ValueParticipation^c](#)

Range [http://w3id.org/CEON/ontology/resourceODP/Resource^c](http://w3id.org/CEON/ontology/resourceODP/Resource)

has value participant role^{op}

IRI <http://w3id.org/CEON/ontology/value/hasValueParticipantRole>

Sub Property Of [actorODP:participantRole](#)

Domain [ValueParticipation^c](#)

Range [ValueParticipationRole^c](#)

on value participation^{op}

IRI <http://w3id.org/CEON/ontology/value/onValueParticipation>

Domain [ValuePerception^c](#)

Range [ValueParticipation^c](#)

proposed by^{op}

IRI <http://w3id.org/CEON/ontology/value/proposedBy>

Domain [ValueProposition^c](#)

Range [actorODP:Actor](#)

targetting actor^{op}

IRI <http://w3id.org/CEON/ontology/value/targettingActor>

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

Domain [ValueProposition^c](#)

Range [actorODP:Actor](#)

targetting resource^{op}

IRI	http://w3id.org/CEON/ontology/value/targettingResource
Sub Property Of	hasVPTargets^{op}
Domain	ValueProposition^c
Range	http://w3id.org/CEON/ontology/resourceODP/Resource ^c

targetting value participation^{op}

IRI	http://w3id.org/CEON/ontology/value/targettingValueParticipation
Sub Property Of	hasVPTargets^{op}
Domain	ValueProposition^c
Range	ValueParticipation^c

Namespaces

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	http://w3id.org/CEON/ontology/value/
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#
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#
vann	http://purl.org/vocab/vann/
xsd	http://www.w3.org/2001/XMLSchema#

Legend

^c	Classes
^{op}	Object Properties