

Circular Economy Ontology Network (CEON) - Value Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Value Module

Creator

Eva Blomqvist

Contributor

Huanyu Li

Mikael Lindecrantz

Robin Keskisärkkä

Date Created

2023-03-30

License

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

Version Iri

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

Version Info

0.2

Preferred Namespace Prefix

value

Preferred Namespace Uri

<https://w3id.org/CEON/ontology/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/CEON/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/CE0N/ontology/value/Value>

Is Defined By ISO 59004:2024 - 3.1.7 value

Description 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.

In Range Of [hasAimedValue^{op}](#)
[hasAssociatedValue^{op}](#)

Super Class Of [EconomicValue^c](#)
[EnvironmentalValue^c](#)
[ExchangeValue^c](#)
[SocialValue^c](#)
[UseValue^c](#)

Value Participation^c

IRI	http://w3id.org/CE0N/ontology/value/ValueParticipation
Sub Class Of	actorODP:Participation
In Domain Of	hasValuableResource ^{op} valueParticipantRole ^{op}
In Range Of	onParticipation ^{op} targettingValueParticipation ^{op}
Restriction	hasAssociatedValue ^{op} some ValueParticipation ^c

Value Participation Role^c

IRI	http://w3id.org/CE0N/ontology/value/ValueParticipationRole
Sub Class Of	actorODP:Role
In Range Of	valueParticipantRole ^{op}
Named Individuals	ValueConsumer ⁿⁱ ValueContributor ⁿⁱ ValueCreator ⁿⁱ ValueDestroyer ⁿⁱ ValueDistributor ⁿⁱ ValueEvaluator ⁿⁱ

Value Perception^c

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

Value Perception Type^c

IRI	http://w3id.org/CE0N/ontology/value/ValuePerceptionType
------------	---

Value Proposition^C

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

In Domain Of
[hasAimedValue](#)^{op}
[proposedBy](#)^{op}
[targettingActor](#)^{op}
[targettingResource](#)^{op}
[targettingValueParticipation](#)^{op}

Restriction
[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>

Domain [ValueProposition](#)^C

Range [Value](#)^C

has associated value^{op}

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

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

Domain [ValuePerception](#)^C

Range [Value](#)^C

has perception^{op}

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

Domain [ValueProposition](#)^C or [actorODP:Actor](#)^C

Range [ValuePerception](#)^C

has perception type^{op}

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

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)

on participation^{op}

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

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](http://w3id.org/CEON/ontology/resourceODP/Resource)

targetting value participation^{op}

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

value participant role^{op}

IRI	http://w3id.org/CEON/ontology/value/valueParticipantRole
Sub Property Of	actorODP:participantRole
Domain	ValueParticipation^c
Range	ValueParticipationRole^c

Annotation Properties

contributor^{ap}

IRI	http://purl.org/dc/terms/contributor
------------	---

created^{ap}

IRI	http://purl.org/dc/terms/created
------------	---

creator^{ap}

IRI	http://purl.org/dc/terms/creator
------------	---

description^{ap}

IRI	http://purl.org/dc/terms/description
------------	---

license^{ap}

IRI	http://purl.org/dc/terms/license
------------	---

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/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
ap	Annotation Properties