

Circular Economy Ontology Network (CEON) - Value Module

Metadata

IRI

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

Title

Circular Economy Ontology Network
(CEON) - Value Module

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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 D2.3: CE1-3, CE5-16, CE5-17.

Classes

Resource^C

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

Sub Class Of [Value^c](#)

Social Value^c

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

Sub Class Of [Value^c](#)

Use Value^c

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

Sub Class Of [Value^c](#)

Value^c

IRI <http://w3id.org/CEON/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/CEON/ontology/value/ValueParticipation
<u>Sub Class Of</u>	actorODP:Participation
<u>In Domain Of</u>	hasValuableResource ^{op} valueParticipantRole ^{op}
<u>In Range Of</u>	onParticipation ^{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>	valueParticipantRole ^{op}
<u>Named Individuals</u>	ValueConsumer ⁿⁱ ValueContributor ⁿⁱ ValueCreator ⁿⁱ ValueDestroyer ⁿⁱ ValueDistributor ⁿⁱ ValueEvaluator ⁿⁱ

Value Perception^c

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

In Domain Of [hasAssociatedValue^{op}](#)
[onParticipation^{op}](#)

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

Value Perception Type^c

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

Value Proposition^C

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

Domain [ValueProposition](#)^C

Range [Value](#)^C

has associated value^{op}

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

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

Domain [ValuePerception](#)^c

Range [Value](#)^c

has perception^{op}

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

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

Range [ValuePerception](#)^c

has perception type^{op}

IRI <http://w3id.org/CEON/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
<u>Domain</u>	ValueProposition^c
<u>Range</u>	actorODP:Actor

targetting actor^{op}

IRI	http://w3id.org/CEON/ontology/value/targettingActor
<u>Sub Property Of</u>	hasVPTargets^{op}
<u>Domain</u>	ValueProposition^c
<u>Range</u>	actorODP:Actor

targetting resource^{op}

IRI	http://w3id.org/CEON/ontology/value/targettingResource
<u>Sub Property Of</u>	hasVPTargets^{op}
<u>Domain</u>	ValueProposition^c
<u>Range</u>	<a href="http://w3id.org/CEON/ontology/resourceODP/Resource<sup>c</sup>">http://w3id.org/CEON/ontology/resourceODP/Resource^c

targetting value participation^{op}

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

value participant role^{op}

IRI	http://w3id.org/CEON/ontology/value/valueParticipantRole
<u>Sub Property Of</u>	<u>actorODP:participantRole</u>
<u>Domain</u>	<u>ValueParticipation</u> ^c
<u>Range</u>	<u>ValueParticipationRole</u> ^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
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preferred namespace uri^{ap}

IRI	http://purl.org/vocab/vann/preferredNamespaceUri
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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
ap	Annotation Properties