

# 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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### 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<sup>C</sup>

#### IRI

<http://w3id.org/CEON/ontology/resourceODP/Resource>

#### In Range Of

[hasValuableResource](#)<sup>op</sup>

[targettingResource](#)<sup>op</sup>

### Economic Value<sup>C</sup>

#### IRI

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

#### Sub Class Of

[Value](#)<sup>C</sup>

#### Equivalentclass

[UseValue](#)<sup>C</sup>

## Environmental Value<sup>c</sup>

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

**Sub Class Of** [Value<sup>c</sup>](#)

## Exchange Value<sup>c</sup>

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

**Sub Class Of** [Value<sup>c</sup>](#)

## Social Value<sup>c</sup>

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

**Sub Class Of** [Value<sup>c</sup>](#)

## Use Value<sup>c</sup>

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

**Sub Class Of** [Value<sup>c</sup>](#)

## Value<sup>c</sup>

**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<sup>op</sup>](#)  
[hasAssociatedValue<sup>op</sup>](#)

**Super Class Of** [EconomicValue<sup>c</sup>](#)  
[EnvironmentalValue<sup>c</sup>](#)  
[ExchangeValue<sup>c</sup>](#)  
[SocialValue<sup>c</sup>](#)  
[UseValue<sup>c</sup>](#)

## Value Participation<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/ValueParticipation">http://w3id.org/CE0N/ontology/value/ValueParticipation</a>
<b>Sub Class Of</b>	<a href="#">actorODP:Participation</a>
<b>In Domain Of</b>	<a href="#">hasValuableResource</a> <sup>op</sup> <a href="#">valueParticipantRole</a> <sup>op</sup>
<b>In Range Of</b>	<a href="#">onParticipation</a> <sup>op</sup> <a href="#">targettingValueParticipation</a> <sup>op</sup>
<b>Restriction</b>	<a href="#">hasAssociatedValue</a> <sup>op</sup> some <a href="#">ValueParticipation</a> <sup>C</sup>

## Value Participation Role<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/ValueParticipationRole">http://w3id.org/CE0N/ontology/value/ValueParticipationRole</a>
<b>Sub Class Of</b>	<a href="#">actorODP:Role</a>
<b>In Range Of</b>	<a href="#">valueParticipantRole</a> <sup>op</sup>
<b>Named Individuals</b>	<a href="#">ValueConsumer</a> <sup>ni</sup> <a href="#">ValueContributor</a> <sup>ni</sup> <a href="#">ValueCreator</a> <sup>ni</sup> <a href="#">ValueDestroyer</a> <sup>ni</sup> <a href="#">ValueDistributor</a> <sup>ni</sup> <a href="#">ValueEvaluator</a> <sup>ni</sup>

## Value Perception<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/ValuePerception">http://w3id.org/CE0N/ontology/value/ValuePerception</a>
<b>In Domain Of</b>	<a href="#">hasAssociatedValue</a> <sup>op</sup> <a href="#">onParticipation</a> <sup>op</sup>
<b>In Range Of</b>	<a href="#">hasPerception</a> <sup>op</sup>

## Value Perception Type<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/ValuePerceptionType">http://w3id.org/CE0N/ontology/value/ValuePerceptionType</a>
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## Value Proposition<sup>C</sup>

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

**In Domain Of**  
[hasAimedValue](#)<sup>op</sup>  
[proposedBy](#)<sup>op</sup>  
[targettingActor](#)<sup>op</sup>  
[targettingResource](#)<sup>op</sup>  
[targettingValueParticipation](#)<sup>op</sup>

**Restriction**  
[hasAimedValue](#)<sup>op</sup> some [ValueProposition](#)<sup>C</sup>  
[targettingActor](#)<sup>op</sup> some [ValueProposition](#)<sup>C</sup>  
[targettingValueParticipation](#)<sup>op</sup> some [ValueProposition](#)<sup>C</sup>

## Object Properties

### has aimed value<sup>op</sup>

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

**Domain** [ValueProposition](#)<sup>C</sup>

**Range** [Value](#)<sup>C</sup>

### has associated value<sup>op</sup>

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

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

**Domain** [ValuePerception](#)<sup>C</sup>

**Range** [Value](#)<sup>C</sup>

### has perception<sup>op</sup>

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

**Domain** [actorODP:Actor](#)<sup>C</sup> or [ValueProposition](#)<sup>C</sup>

**Range** [ValuePerception](#)<sup>C</sup>

### has perception type<sup>op</sup>

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

## has vp targets<sup>op</sup>

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

**Super Property Of**

- [targettingActor<sup>op</sup>](#)
- [targettingResource<sup>op</sup>](#)
- [targettingValueParticipation<sup>op</sup>](#)

## has valuable resource<sup>op</sup>

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

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

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

**Range** [http://w3id.org/CEON/ontology/resourceODP/Resource<sup>c</sup>](http://w3id.org/CEON/ontology/resourceODP/Resource)

## on participation<sup>op</sup>

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

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

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

## proposed by<sup>op</sup>

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

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

**Range** [actorODP:Actor](#)

## targetting actor<sup>op</sup>

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

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

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

**Range** [actorODP:Actor](#)

## targetting resource<sup>op</sup>

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

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

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

**Range** [http://w3id.org/CEON/ontology/resourceODP/Resource<sup>c</sup>](http://w3id.org/CEON/ontology/resourceODP/Resource)

## targetting value participation<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/targettingValueParticipation">http://w3id.org/CE0N/ontology/value/targettingValueParticipation</a>
<b>Sub Property Of</b>	<a href="#">hasVPTargets<sup>op</sup></a>
<b>Domain</b>	<a href="#">ValueProposition<sup>c</sup></a>
<b>Range</b>	<a href="#">ValueParticipation<sup>c</sup></a>

## value participant role<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/valueParticipantRole">http://w3id.org/CE0N/ontology/value/valueParticipantRole</a>
<b>Sub Property Of</b>	<a href="#">actorODP:participantRole</a>
<b>Domain</b>	<a href="#">ValueParticipation<sup>c</sup></a>
<b>Range</b>	<a href="#">ValueParticipationRole<sup>c</sup></a>

## Annotation Properties

### contributor<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/contributor">http://purl.org/dc/terms/contributor</a>
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### created<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/created">http://purl.org/dc/terms/created</a>
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### creator<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/creator">http://purl.org/dc/terms/creator</a>
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### description<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/description">http://purl.org/dc/terms/description</a>
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### license<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/license">http://purl.org/dc/terms/license</a>
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### title<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>
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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/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