

# 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

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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/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	<a href="http://w3id.org/CEON/ontology/resourceODP/Resource">http://w3id.org/CEON/ontology/resourceODP/Resource</a>
In Range Of	<a href="#">hasValuableResource<sup>op</sup></a> <a href="#">targettingResource<sup>op</sup></a>

## Economic Value<sup>c</sup>

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

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

**Equivalentclass** [UseValue<sup>c</sup>](#)

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

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

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

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

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

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

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

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

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

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

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

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

## Value<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/value/Value">http://w3id.org/CEON/ontology/value/Value</a>
<b><u>Is Defined By</u></b>	ISO 59004:2024 - 3.1.7 value
<b><u>Description</u></b>	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.
<b><u>In Range Of</u></b>	<a href="#">hasAimedValue</a> <sup>op</sup> <a href="#">hasAssociatedValue</a> <sup>op</sup>
<b><u>Super Class Of</u></b>	<a href="#">EconomicValue</a> <sup>c</sup> <a href="#">EnvironmentalValue</a> <sup>c</sup> <a href="#">ExchangeValue</a> <sup>c</sup> <a href="#">SocialValue</a> <sup>c</sup> <a href="#">UseValue</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/value/ValueParticipation">http://w3id.org/CEON/ontology/value/ValueParticipation</a>
<b><u>Sub Class Of</u></b>	<a href="#">actorODP:Participation</a>
<b><u>In Domain Of</u></b>	<a href="#">hasValuableResource</a> <sup>op</sup> <a href="#">hasValueParticipantRole</a> <sup>op</sup>
<b><u>In Range Of</u></b>	<a href="#">onValueParticipation</a> <sup>op</sup> <a href="#">targettingValueParticipation</a> <sup>op</sup>
<b><u>Restriction</u></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/CEON/ontology/value/ValueParticipationRole">http://w3id.org/CEON/ontology/value/ValueParticipationRole</a>
<b><u>Sub Class Of</u></b>	<a href="#">actorODP:Role</a>
<b><u>In Range Of</u></b>	<a href="#">hasValueParticipantRole</a> <sup>op</sup>
<b><u>Named Individuals</u></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><u>In Domain Of</u></b>	<a href="#">hasAssociatedValue</a> <sup>op</sup> <a href="#">onValueParticipation</a> <sup>op</sup>
<b><u>In Range Of</u></b>	<a href="#">hasPerception</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 Domain Of</u></b>	<a href="#">hasAimedValue</a> <sup>op</sup> <a href="#">proposedBy</a> <sup>op</sup> <a href="#">targettingActor</a> <sup>op</sup> <a href="#">targettingResource</a> <sup>op</sup> <a href="#">targettingValueParticipation</a> <sup>op</sup>
<b><u>Restriction</u></b>	<a href="#">hasAimedValue</a> <sup>op</sup> some <a href="#">ValueProposition</a> <sup>C</sup> <a href="#">targettingActor</a> <sup>op</sup> some <a href="#">ValueProposition</a> <sup>C</sup> <a href="#">targettingValueParticipation</a> <sup>op</sup> some <a href="#">ValueProposition</a> <sup>C</sup>

## Object Properties

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/hasAimedValue">http://w3id.org/CE0N/ontology/value/hasAimedValue</a>
<b><u>Domain</u></b>	<a href="#">ValueProposition</a> <sup>C</sup>
<b><u>Range</u></b>	<a href="#">Value</a> <sup>C</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/hasAssociatedValue">http://w3id.org/CE0N/ontology/value/hasAssociatedValue</a>
<b><u>Sub Property Of</u></b>	<a href="#">topObjectProperty</a> <sup>op</sup>
<b><u>Domain</u></b>	<a href="#">ValuePerception</a> <sup>C</sup>
<b><u>Range</u></b>	<a href="#">Value</a> <sup>C</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/value/hasPerception">http://w3id.org/CE0N/ontology/value/hasPerception</a>
<b><u>Domain</u></b>	<a href="#">ValueProposition</a> <sup>C</sup> <i>or</i> <a href="#">actorODP:Actor</a> <sup>C</sup>
<b><u>Range</u></b>	<a href="#">ValuePerception</a> <sup>C</sup>

## 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)

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

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

**Sub Property Of** [actorODP:participantRole](#)

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

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

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

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

**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>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/value/targettingResource">http://w3id.org/CEON/ontology/value/targettingResource</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="http://w3id.org/CEON/ontology/resourceODP/Resource">http://w3id.org/CEON/ontology/resourceODP/Resource</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/value/targettingValueParticipation">http://w3id.org/CEON/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>

## Namespaces

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	<a href="http://w3id.org/CEON/ontology/value/">http://w3id.org/CEON/ontology/value/</a>
<b>actorODP</b>	<a href="http://w3id.org/CEON/ontology/actorODP/">http://w3id.org/CEON/ontology/actorODP/</a>
<b>dcterms</b>	<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>
<b>odp</b>	<a href="http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#">http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#</a>
<b>owl</b>	<a href="http://www.w3.org/2002/07/owl#">http://www.w3.org/2002/07/owl#</a>
<b>prov</b>	<a href="http://www.w3.org/ns/prov#">http://www.w3.org/ns/prov#</a>
<b>rdf</b>	<a href="http://www.w3.org/1999/02/22-rdf-syntax-ns#">http://www.w3.org/1999/02/22-rdf-syntax-ns#</a>
<b>rdfs</b>	<a href="http://www.w3.org/2000/01/rdf-schema#">http://www.w3.org/2000/01/rdf-schema#</a>
<b>vann</b>	<a href="http://purl.org/vocab/vann/">http://purl.org/vocab/vann/</a>
<b>xsd</b>	<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>

## Legend

<sup>c</sup>	Classes
<sup>op</sup>	Object Properties