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/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/CEON/ontology/value/EconomicValue`
Sub Class Of	Value [C]
Equivalentclass	UseValue [C]

Environmental Value [C]

IRI	`http://w3id.org/CEON/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
Sub Class Of	actorODP:Participation
In Domain Of	hasValuableResource ^{op} hasValueParticipantRole ^{op}
In Range Of	onValueParticipation ^{op} targettingValueParticipation ^{op}
Restriction	hasAssociatedValue ^{op} some ValueParticipation ^C

Value Participation Role ^C

IRI	http://w3id.org/CEON/ontology/value/ValueParticipationRole
Sub Class Of	actorODP:Role
In Range Of	hasValueParticipantRole ^{op}
Named Individuals	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} onValueParticipation ^{op}
In Range Of	hasPerception ^{op}

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 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

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/targettingValuePartici` `pation`
Sub Property Of	hasVPTargets ^{op}
Domain	ValueProposition ^c
Range	ValueParticipation ^c

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