Circular Economy Ontology Network (CEON) - Value Module

Metadata

IRI

```
http://w3id.org/CEON/ontology/va
lue/
```

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

Classes

Resource ^C

IRI

```
http://w3id.org/CEO
N/ontology/resource
ODP/Resource
```

In Range Of

hasValuableResource ^{op}

targettingResource ^{op}

Economic Value ^C

IRI

```
http://w3id.org/CEO
N/ontology/value/Ec
onomicValue
```

Sub Class Of   Value ^C

Equivalentclass   UseValue ^C

Environmental Value ^C

IRI

```
http://w3id.org/CEO
N/ontology/value/En
vironmentalValue
```

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] valueParticipantRole [op]
In Range Of	onParticipation [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	valueParticipantRole [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}

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/CEO
N/ontology/value/Va
lueProposition

In Domain Of

hasAimedValue ^{op}

proposedBy ^{op}

targettingActor ^{op}

targettingResource ^{op}

targettingValueParticipati
on ^{op}

Restriction

hasAimedValue ^{op} some

ValueProposition ^C

targettingActor ^{op} some

ValueProposition ^C

targettingValueParticipati
on ^{op} some

ValueProposition ^C

Object Properties

has aimed value ^{op}

IRI　　　　　http://w3id.org/CEO
N/ontology/value/ha
sAimedValue

Domain　　　ValueProposition ^C

Range　　　Value ^C

has associated value ^{op}

IRI
`http://w3id.org/CEO
N/ontology/value/ha
sAssociatedValue`

Sub Property Of
topObjectProperty^{op}

Domain
ValuePerception^c

Range
Value^c

has perception ^{op}

IRI
`http://w3id.org/CEO
N/ontology/value/ha
sPerception`

Domain
ValueProposition^c *or*
actorODP:Actor^c

Range
ValuePerception^c

has perception type ^{op}

IRI
`http://w3id.org/CEO
N/ontology/value/ha
sPerceptionType`

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

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

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