Circular Economy Ontology Network (CEON) - Process Module

Metadata

IRI

`http://w3id.org/CEON/ontology/process/`

Title

Circular Economy Ontology Network (CEON) - Process Module

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Version Iri

http://w3id.org/CEON/ontology/process/0.3/

Version Info

0.3

Preferred Namespace Prefix

process

Preferred Namespace Uri

https://w3id.org/CEON/ontology/process/

Description

The Process module of CEON (Circular Economy Ontology Network).

Covers Requirements

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.1: T8-2

Classes

Energy [c]

IRI	`http://w3id.org/CEON/ontology/energy/Energy`
Sub Class Of	resourceODP:Resource [c]
In Range Of	needsEnergy [op]

Assembling Process [c]

IRI	`http://w3id.org/CEON/ontology/process/AssemblingProcess`
Sub Class Of	processODP:Transformation [c]

Buy Resource Process ^C

IRI	http://w3id.org/CEON/ontology/process/BuyResourceProcess
Sub Class Of	processODP:Transformation ^C

Co2Emission ^C

IRI	http://w3id.org/CEON/ontology/process/CO2Emission
Sub Class Of	resourceODP:Resource ^C
In Range Of	producesCO2 ^{op}

Cathalyst ^C

IRI	http://w3id.org/CEON/ontology/process/Cathalyst
Sub Class Of	resourceODP:Resource ^C
In Range Of	usesCathalyst ^{op}

Change Resource Process ^C

IRI	http://w3id.org/CEON/ontology/process/ChangeResourceProcess
Sub Class Of	processODP:Transformation ^C

Contact Process ^C

IRI	http://w3id.org/CEON/ontology/process/ContactProcess
Sub Class Of	processODP:Transformation ^C

Deconstruction Process ^C

IRI	http://w3id.org/CEON/ontology/process/DeconstructionProcess
Sub Class Of	processODP:Transformation ^C

Disassembling Process ^C

IRI	http://w3id.org/CEON/ontology/process/DisassemblingProcess
Sub Class Of	processODP:Transformation ^C

Dismantle Process ^C

IRI http://w3id.org/CEON/ontology/process/DismantleProcess

Sub Class Of processODP:Transformation ^C

Ensure Claim Process ^C

IRI http://w3id.org/CEON/ontology/process/EnsureClaimProcess

Sub Class Of processODP:Transformation ^C

Issuing Certificate Process ^C

IRI http://w3id.org/CEON/ontology/process/IssuingCertificatePr
ocess

Sub Class Of processODP:Transformation ^C

Manufacturing Process ^C

IRI http://w3id.org/CEON/ontology/process/ManufacturingProcess

Sub Class Of processODP:Transformation ^C

Offset Process ^C

IRI http://w3id.org/CEON/ontology/process/OffsetProcess

Sub Class Of processODP:Transformation ^C

Production Process ^C

IRI http://w3id.org/CEON/ontology/process/ProductionProcess

Sub Class Of processODP:Transformation ^C

Recycle Process ^C

IRI http://w3id.org/CEON/ontology/process/RecycleProcess

Sub Class Of processODP:Transformation ^C

Refurbishment Process ^C

IRI http://w3id.org/CEON/ontology/process/RefurbishmentProcess

Sub Class Of processODP:Transformation ^C

Remove Process ^C

IRI   http://w3id.org/CEON/ontology/process/RemoveProcess

Sub Class Of   processODP:Transformation ^C

Remove Resource Process ^C

IRI   http://w3id.org/CEON/ontology/process/RemoveResourceProces s

Sub Class Of   processODP:Transformation ^C

Repair Process ^C

IRI   http://w3id.org/CEON/ontology/process/RepairProcess

Sub Class Of   processODP:Transformation ^C

Resell Process ^C

IRI   http://w3id.org/CEON/ontology/process/ResellProcess

Sub Class Of   processODP:Transformation ^C

Reuse Process ^C

IRI   http://w3id.org/CEON/ontology/process/ReuseProcess

Sub Class Of   processODP:Transformation ^C

Sell Resource Process ^C

IRI   http://w3id.org/CEON/ontology/process/SellResourceProcess

Sub Class Of   processODP:Transformation ^C

Service Process ^C

IRI   http://w3id.org/CEON/ontology/process/ServiceProcess

Sub Class Of   processODP:Transformation ^C

Share Resource Process ^C

IRI   http://w3id.org/CEON/ontology/process/ShareResourceProcess

Sub Class Of   processODP:Transformation ^C

Take Back Process^C

IRI   `http://w3id.org/CEON/ontology/process/TakeBackProcess`

Sub Class Of   processODP:Transformation^C

Transformation^C

IRI   `http://w3id.org/CEON/ontology/processODP/Transformation`

Super Class Of

AssemblingProcess^C
BuyResourceProcess^C
ChangeResourceProcess^C
ContactProcess^C
DeconstructionProcess^C
DisassemblingProcess^C
DismantleProcess^C
EnsureClaimProcess^C
IssuingCertificateProcess^C
ManufacturingProcess^C
OffsetProcess^C
ProductionProcess^C
RecycleProcess^C
RefurbishmentProcess^C
RemoveProcess^C
RemoveResourceProcess^C
RepairProcess^C
ResellProcess^C
ReuseProcess^C
SellResourceProcess^C
ServiceProcess^C
ShareResourceProcess^C
TakeBackProcess^C

Resource^C

IRI   `http://w3id.org/CEON/ontology/resourceODP/Resource`

In Range Of   resultingResource^{op}

Super Class Of

http://w3id.org/CEON/ontology/energy/Energy^C
CO2Emission^C
Cathalyst^C

Object Properties

needs energy ^{op}

IRI	`http://w3id.org/CEON/ontology/process/needsEnergy`
Sub Property Of	processODP:hasInput ^{op}
Range	http://w3id.org/CEON/ontology/energy/Energy ^C

produces co2 ^{op}

IRI	`http://w3id.org/CEON/ontology/process/producesCO2`
Sub Property Of	processODP:hasOutput ^{op}
Range	CO2Emission ^C

resulting resource ^{op}

IRI	`http://w3id.org/CEON/ontology/process/resultingResource`
Sub Property Of	processODP:hasOutput ^{op}
Range	resourceODP:Resource ^C

uses cathalyst ^{op}

IRI	`http://w3id.org/CEON/ontology/process/usesCathalyst`
Sub Property Of	processODP:hasInput ^{op}
Range	Cathalyst ^C

has input ^{op}

IRI	`http://w3id.org/CEON/ontology/processODP/hasInput`
Super Property Of	• needsEnergy ^{op} • usesCathalyst ^{op}

has output ^{op}

IRI	`http://w3id.org/CEON/ontology/processODP/hasOutput`
Super Property Of	• producesCO2 ^{op} • resultingResource ^{op}

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

covers requirements ^{ap}

IRI   http://www.ontologydesignpatterns.org/schemas/cpannotation schema.owl#coversRequirements

Namespaces

:

http://w3id.org/CEON/ontology/process/

dcterms

http://purl.org/dc/terms/

odp

http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#

owl

http://www.w3.org/2002/07/owl#

processODP

http://w3id.org/CEON/ontology/processODP/

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#

resourceODP

http://w3id.org/CEON/ontology/resourceODP/

vann

http://purl.org/vocab/vann/

Legend

c	Classes
op	Object Properties
ap	Annotation Properties