

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/0.1/>

Version Info

0.1

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

Assembling Process ^C	
IRI	http://w3id.org/CEON/ontology/process/AssemblingProcess
Description	A process of assembling.
Sub Class Of	processODP:Transformation ^C

Buy Resource Process^C

IRI <http://w3id.org/CEON/ontology/process/BuyResourceProcess>

Description A process of buying a resource.

Sub Class Of [processODP:Transformation^C](#)

CO2 emission^C

IRI <http://w3id.org/CEON/ontology/process/CO2Emission>

Description An amount of CO2.

Sub Class Of [resourceODP:Resource^C](#)

In Range Of [produces CO2^{op}](#)

Cathalyst^C

IRI <http://w3id.org/CEON/ontology/process/Cathalyst>

Description A resource that is needed as a cathalyst by a process, but that is not considered the direct input or output of it.

Sub Class Of [resourceODP:Resource^C](#)

In Range Of [uses cathalyst^{op}](#)

Change Resource Process^C

IRI <http://w3id.org/CEON/ontology/process/ChangeResourceProcess>

Description A process of a changing resource.

Sub Class Of [processODP:Transformation^C](#)

Contact Process^C

IRI <http://w3id.org/CEON/ontology/process/ContactProcess>

Description A contact process.

Sub Class Of [processODP:Transformation^C](#)

Deconstruction Process^C

IRI <http://w3id.org/CEON/ontology/process/DeconstructionProcess>

Description A process of deconstruction.

Sub Class Of [processODP:Transformation^C](#)

Dismantle Process^C

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

Description A process of dismantling.

Sub Class Of [processODP:Transformation^C](#)

Energy^C

IRI <http://w3id.org/CEON/ontology/process/Energy>

Description An amount of energy.

Sub Class Of [resourceODP:Resource^C](#)

In Range Of [needs energy^{OP}](#)

Ensure Claim Process^C

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

Description A process of ensuring a claim.

Sub Class Of [processODP:Transformation^C](#)

Issuing Certificate Process^C

IRI <http://w3id.org/CEON/ontology/process/IssuingCertificateProcess>

Description A process of issuing a certificate.

Sub Class Of [processODP:Transformation^C](#)

Manufacturing Process^C

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

Description A process of manufacturing.

Sub Class Of [processODP:Transformation^C](#)

Offset Process^C

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

Description A process of offsetting.

Sub Class Of [processODP:Transformation^C](#)

Production Process^C

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

Description A process of production.

Sub Class Of [processODP:Transformation^C](#)

Recycle Process^C

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

Description A process of recycling.

Sub Class Of [processODP:Transformation^C](#)

Refurbishment Process^C

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

Description A process of refurbishment.

Sub Class Of [processODP:Transformation^C](#)

Remove Process^C

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

Description A process of removing.

Sub Class Of [processODP:Transformation^C](#)

Remove Resource Process^C

IRI <http://w3id.org/CEON/ontology/process/RemoveResourceProcess>

Description A process of removing a resource.

Sub Class Of [processODP:Transformation^C](#)

Repair Process^C

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

Description A process of repairing.

Sub Class Of [processODP:Transformation^C](#)

Resell Process^C

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

Description A process of reselling.

Sub Class Of [processODP:Transformation^C](#)

Reuse Process^C

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

Description A process of reusing.

Sub Class Of [processODP:Transformation^C](#)

Sell Resource Process^C

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

Description A process of selling a resource.

Sub Class Of [processODP:Transformation^C](#)

Service Process^C

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

Description A process of servicing.

Sub Class Of [processODP:Transformation^C](#)

Share Resource Process^C

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

Description A process of sharing a resource.

Sub Class Of [processODP:Transformation^C](#)

Take Back Process^C

IRI <http://w3id.org/CEON/ontology/process/TakeBackProcess>

Description A process of taking back.

Sub Class Of [processODP:Transformation^C](#)

Transformation^c

IRI <http://w3id.org/CEON/ontology/processODP/Transformation>

Super Class Of

[Assembling Process^c](#)
[Buy Resource Process^c](#)
[Change Resource Process^c](#)
[Contact Process^c](#)
[Deconstruction Process^c](#)
[Dismantle Process^c](#)
[Ensure Claim Process^c](#)
[Issuing Certificate Process^c](#)
[Manufacturing Process^c](#)
[Offset Process^c](#)
[Production Process^c](#)
[Recycle Process^c](#)
[Refurbishment Process^c](#)
[Remove Process^c](#)
[Remove Resource Process^c](#)
[Repair Process^c](#)
[Resell Process^c](#)
[Reuse Process^c](#)
[Sell Resource Process^c](#)
[Service Process^c](#)
[Share Resource Process^c](#)
[Take Back Process^c](#)

Resource^c

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

In Range Of [resulting product^{op}](#)

Super Class Of

[CO2 emission^c](#)
[Cathalyst^c](#)
[Energy^c](#)

Object Properties

needs energy^{op}

IRI <http://w3id.org/CEON/ontology/process/needsEnergy>

Description The energy needed to perform a certain process.

Sub Property Of [processODP:hasInput^{op}](#)

Range [Energy^c](#)

produces CO2^{op}

IRI <http://w3id.org/CEON/ontology/process/producesCO2>

Description The CO2 released or produced by the process.

Sub Property Of [processODP:hasOutput^{op}](#)

Range [CO2 emission^c](#)

resulting product^{op}

IRI <http://w3id.org/CEON/ontology/process/resultingProduct>

Description The resource that is the output (product, i.e. what is produced) from a certain process.

Sub Property Of [processODP:hasOutput^{op}](#)

Range [resourceODP:Resource^c](#)

uses cathalyst^{op}

IRI <http://w3id.org/CEON/ontology/process/usesCathalyst>

Description The cathalyst used in a process.

Sub Property Of [processODP:hasInput^{op}](#)

Range [Cathalyst^c](#)

has input^{op}

IRI <http://w3id.org/CEON/ontology/processODP/hasInput>

Super Property Of

- [needs energy^{op}](#)
- [uses cathalyst^{op}](#)

has output^{op}

IRI <http://w3id.org/CEON/ontology/processODP/hasOutput>

Super Property Of

- [produces CO2^{op}](#)
- [resulting product^{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/cannotationschema.owl#coversRequirements>

Namespaces

:

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

dcterms

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

odp

<http://www.ontologydesignpatterns.org/schemas/cannotationschema.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

op

ap

Classes

Object Properties

Annotation Properties