

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, T10-1

Classes

Assembling Process^C

IRI

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

Sub Class Of

[processODP:Transformation](#)

Buy Resource Process^C

IRI

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

Sub Class Of

[processODP:Transformation](#)

CO2 emission^C

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

Description An amount of CO2.

Sub Class Of [resourceODP:Resource](#)

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](#)

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

Change Resource Process^C

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

Sub Class Of [processODP:Transformation](#)

Contact Process^C

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

Sub Class Of [processODP:Transformation](#)

Deconstruction Process^C

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

Sub Class Of [processODP:Transformation](#)

Dismantle Process^C

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

Sub Class Of [processODP:Transformation](#)

Energy^C

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

Description An amount of energy.

Sub Class Of [resourceODP:Resource](#)

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

Ensure Claim Process^C

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

Sub Class Of [processODP:Transformation](#)

Issuing Certificate Process^C

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

Sub Class Of [processODP:Transformation](#)

Manufacturing Process^C

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

Sub Class Of [processODP:Transformation](#)

Offset Process^C

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

Sub Class Of [processODP:Transformation](#)

Production Process^C

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

Sub Class Of [processODP:Transformation](#)

Recycle Process^C

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

Sub Class Of [processODP:Transformation](#)

Refurbishment Process^C

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

Sub Class Of [processODP:Transformation](#)

Remove Process^C

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

Sub Class Of [processODP:Transformation](#)

Remove Resource Process^C

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

Sub Class Of [processODP:Transformation](#)

Repair Process^C

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

Sub Class Of [processODP:Transformation](#)

Resell Process^C

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

Sub Class Of [processODP:Transformation](#)

Reuse Process^C

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

Sub Class Of [processODP:Transformation](#)

Sell Resource Process^C

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

Sub Class Of [processODP:Transformation](#)

Service Process^C

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

Sub Class Of [processODP:Transformation](#)

Share Resource Process^C

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

Sub Class Of [processODP:Transformation](#)

Take Back Process^C

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

Sub Class Of [processODP:Transformation](#)

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](#)

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](#)

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](#)

Range [resourceODP:Resource](#)

uses cathalyst^{op}

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

Description The cathalyst used in a process.

Sub Property Of [processODP:hasInput](#)

Range [Cathalyst](#)^c

Annotation Properties

contributor^{ap}

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

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/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

Legend

c

op

ap

Classes

Object Properties

Annotation Properties