

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/0.4/>

Version Info

0.4

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

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

Classes

Energy ^c	
<u>IRI</u>	http://w3id.org/CEON/ontology/energy/Energy
<u>Sub Class Of</u>	resourceODP:Resource^c
<u>In Range Of</u>	needsEnergy^{op}
Assembling Process ^c	
<u>IRI</u>	http://w3id.org/CEON/ontology/process/AssemblingProcess
<u>Sub Class Of</u>	processODP:TransformationProcess^c

Buy Resource Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Co2Emission^c

IRI <http://w3id.org/CEON/ontology/process/C02Emission>

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

In Range Of [producesCO2^{op}](#)

Catalyst^c

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

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

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

Change Resource Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Contact Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Deconstruction Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Disassembling Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Dismantle Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Ensure Claim Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Issuing Certificate Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Manufacturing Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Offset Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Production Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Recycle Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Refurbishment Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Remove Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Remove Resource Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Repair Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Resell Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Reuse Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Sell Resource Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Service Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Share Resource Process^c

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

Sub Class Of [processODP:TransformationProcess^c](#)

Take Back Process^c

IRI	http://w3id.org/CEON/ontology/process/TakeBackProcess
Sub Class Of	processODP:TransformationProcess^c

Transformation Process^c

IRI	http://w3id.org/CEON/ontology/processODP/TransformationProcess
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 Catalyst^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 catalyst^{op}

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

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

Range [Catalyst^c](#)

has input^{op}

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

Super Property Of

- [needsEnergy^{op}](#)
- [usesCatalyst^{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/cpannotationSchema.owl#coversRequirements

Namespaces

:

dcterms <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