

Circular Economy Ontology Network (CEON) - Process Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Process Module

Creator

Huanyu Li

Contributor

Eva Blomqvist

Mikael Lindcrantz

Robin Keskkä

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Version Iri

<http://w3id.org/CEON/ontology/process/0.2/>

Version Info

0.2

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
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}

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: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/DeconstructionProces s
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

Energy^c

IRI	http://w3id.org/CEON/ontology/process/Energy
Sub Class Of	resourceODP:Resource^c
In Range Of	needsEnergy^{op}

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	resultingProduct ^{op}
Super Class Of	CO2Emission ^c Catalyst ^c Energy ^c

Object Properties

needs energy^{op}

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

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

Range [Energy^c](#)

produces co2^{op}

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

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

Range [CO2Emission^c](#)

resulting product^{op}

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

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}](#)
- [resultingProduct^{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