

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
<u>Sub Class Of</u>	<u>processODP:Transformation</u> ^C

Buy Resource Process^C

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

Co2Emission^C

IRI	http://w3id.org/CEON/ontology/process/CO2Emission
<u>Sub Class Of</u>	<u>resourceODP:Resource</u> ^C
<u>In Range Of</u>	<u>producesCO2</u> ^{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](#)

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/IssuingCertificateProcess>

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

Manufacturing Process^C

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

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/RefurbishmentProcesses>

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/RemoveResourceProcess>

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/ShareResourceProcesses>

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/process0DP/Transformation>

Super Class Of

[AssemblingProcess^c](#)

[BuyResourceProcess^c](#)

[ChangeResourceProcess](#)

^c

[ContactProcess^c](#)

[DeconstructionProcess^c](#)

[DismantleProcess^c](#)

[EnsureClaimProcess^c](#)

[IssuingCertificateProcess](#)

^c

[ManufacturingProcess^c](#)

[OffsetProcess^c](#)

[ProductionProcess^c](#)

[RecycleProcess^c](#)

[RefurbishmentProcess^c](#)

[RemoveProcess^c](#)

[RemoveResourceProces](#)

[s^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](#)
[Cathalyst^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/producesC02>

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 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/process0DP/hasInput>

Super Property Of

- [needsEnergy](#)^{op}
- [usesCathalyst](#)^{op}

has output^{op}

IRI <http://w3id.org/CEON/ontology/process0DP/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/cpannotation-schema.owl#coversRequirements

Namespaces

:

<http://w3id.org/CE0N/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/CE0N/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/CE0N/ontology/resourceODP/>

vann

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

Legend

c	Classes
op	Object Properties
ap	Annotation Properties