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

DescriptionA process of assembling.

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

DescriptionA 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

DescriptionA process of a changing resource.

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

DescriptionAn 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.

Issuing Certificate Process ^c

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

DescriptionA 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

DescriptionA 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

DescriptionA 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.

Reuse Process^C

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

DescriptionA 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

DescriptionA 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

DescriptionThe 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

DescriptionThe 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

DescriptionThe 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

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#covers Requirements

Namespaces

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

dcterms

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

odp

http://www.ontology design patterns.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

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Classes

Object Properties

Annotation Properties