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/0.2/

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}

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

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/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/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
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/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 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/processODP/hasInput
Super Property Of	• needsEnergy ^{op} • usesCathalyst ^{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/cpannotation schema.owl#coversRequirements

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

`http://purl.org/vocab/vann/`

Legend

c	Classes
op	Object Properties
ap	Annotation Properties