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/IssuingCertificateProcess`

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/cpannotationschema.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

Legend

c	Classes
op	Object Properties
ap	Annotation Properties