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/0.4/

Version Info

0.4

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

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D2.3: T8-2

Classes

Energy ^C

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

Assembling Process ^C

IRI	`http://w3id.org/CEON/ontology/process/AssemblingProcess`
Sub Class Of	processODP:TransformationProcess ^C

Buy Resource Process ^C

IRI	`http://w3id.org/CEON/ontology/process/BuyResourceProcess`
Sub Class Of	processODP:TransformationProcess ^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:TransformationProcess [C]

Contact Process [C]

IRI	http://w3id.org/CEON/ontology/process/ContactProcess
Sub Class Of	processODP:TransformationProcess [C]

Deconstruction Process [C]

IRI	http://w3id.org/CEON/ontology/process/DeconstructionProcess
Sub Class Of	processODP:TransformationProcess [C]

Disassembling Process [C]

IRI	http://w3id.org/CEON/ontology/process/DisassemblingProcess
Sub Class Of	processODP:TransformationProcess [C]

Dismantle Process [C]

IRI	http://w3id.org/CEON/ontology/process/DismantleProcess
Sub Class Of	processODP:TransformationProcess [C]

Ensure Claim Process [C]

IRI

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

Sub Class Of

processODP:TransformationProcess [C]

Issuing Certificate Process [C]

IRI

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

Sub Class Of

processODP:TransformationProcess [C]

Manufacturing Process [C]

IRI

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

Sub Class Of

processODP:TransformationProcess [C]

Offset Process [C]

IRI

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

Sub Class Of

processODP:TransformationProcess [C]

Production Process [C]

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

Sub Class Of processODP:TransformationProcess [C]

Recycle Process [C]

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

Sub Class Of processODP:TransformationProcess [C]

Refurbishment Process [C]

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

Sub Class Of processODP:TransformationProcess [C]

Remove Process [C]

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

Sub Class Of processODP:TransformationProcess [C]

Remove Resource Process [C]

IRI	`http://w3id.org/CEON/ontology/process/RemoveResourceProcess`
Sub Class Of	processODP:TransformationProcess [C]

Repair Process [C]

IRI	`http://w3id.org/CEON/ontology/process/RepairProcess`
Sub Class Of	processODP:TransformationProcess [C]

Resell Process [C]

IRI	`http://w3id.org/CEON/ontology/process/ResellProcess`
Sub Class Of	processODP:TransformationProcess [C]

Reuse Process [C]

IRI	`http://w3id.org/CEON/ontology/process/ReuseProcess`
Sub Class Of	processODP:TransformationProcess [C]

Sell Resource Process ^C

IRI

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

Sub Class Of

processODP:TransformationProcess ^C

Service Process ^C

IRI

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

Sub Class Of

processODP:TransformationProcess ^C

Share Resource Process ^C

IRI

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

Sub Class Of

processODP:TransformationProcess ^C

Take Back Process ^C

IRI

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

Sub Class Of

processODP:TransformationProcess ^C

Transformation Process ^C

IRI

`http://w3id.org/CEON/ontology/processODP/TransformationProcess`

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	resultingResource ^{op}
Super Class Of	http://w3id.org/CEON/ontology/energy/Energy ^C CO2Emission ^C Cathalyst ^C

Object Properties

needs energy ^{op}

IRI	`http://w3id.org/CEON/ontology/process/needsEnergy`
Sub Property Of	processODP:hasInput ^{op}
Range	http://w3id.org/CEON/ontology/energy/Energy ^C

produces co2 ^{op}

IRI	`http://w3id.org/CEON/ontology/process/producesCO2`
Sub Property Of	processODP:hasOutput ^{op}
Range	CO2Emission ^c

resulting resource ^{op}

IRI	`http://w3id.org/CEON/ontology/process/resultingResource`
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} - resultingResource ^{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.ontology designpatterns.org/ schemas/cpannotatio nschema.owl#coversR equirements`

Namespaces

:

`http://w3id.org/CEON/ontology/pr ocess/`

dcterms

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

odp

`http://www.ontologydesignpattern s.org/schemas/cpannotationschema .owl#`

owl

`http://www.w3.org/2002/07/owl#`

processODP

`http://w3id.org/CEON/ontology/pr ocessODP/`

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/re sourceODP/`

vann

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

Legend

c	Classes
op	Object Properties
ap	Annotation Properties