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/0.5/

Version Info

0.5

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 D3.2: 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]

Catalyst [C]

IRI	http://w3id.org/CEON/ontology/process/Catalyst
Sub Class Of	resourceODP:Resource [C]
In Range Of	usesCatalyst [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/IssuingCertificatePr ocess
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 Catalyst ^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 catalyst ^{op}

IRI	`http://w3id.org/CEON/ontology/process/usesCatalyst`
Sub Property Of	processODP:hasInput ^{op}
Range	Catalyst ^c

has input ^{op}

IRI	`http://w3id.org/CEON/ontology/processODP/hasInput`
Super Property Of	- needsEnergy ^{op} - usesCatalyst ^{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.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