Circular Economy Ontology Network (CEON) - Process Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Process Module

Creator

Huanyu Li

Contributor

Eva Blomqvist

Mikael Lindecrantz

Robin Keskisärkkä

Date Created

2023-03-16

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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]

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
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

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contributor ^{ap}

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

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created ^{ap}

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

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creator ^{ap}

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

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description ^{ap}

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

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license ^{ap}

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

---

title ^{ap}

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

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preferred namespace prefix ^{ap}

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

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preferred namespace uri ^{ap}

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

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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

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

Legend

c	Classes
op	Object Properties
ap	Annotation Properties