Circular Economy Ontology Network (CEON) - Process ODP

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Process ODP

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Version Iri

http://w3id.org/CEON/ontology/processODP/0.1/

Version Info

0.1

Preferred Namespace Prefix

processODP

Preferred Namespace Uri

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

Description

A core ODP of the CEON ontology network, defining aspects of the process concept.

Covers Requirements

Covers the following requirements from Onto-DESIDE D3.1: CVN-Process-3,4,5, C3-1, C4-2, C4-5, C4-7, C4-9, C13-2, E2-6

Classes

Process Participation [c]

IRI	http://w3id.org/CEON/ontology/actor/ProcessParticipation
Restriction	actorODP:participationIn [op] some actor:ProcessParticipation [c]

Process ^c

IRI	http://w3id.org/CEON/ontology/processODP/Process
Description	An activity in the context of a circular value network, handling resources.

In Domain Of

hasPart ^{op}
has process execution ^{op}
has process type ^{op}
nextProcess ^{op}

In Range Of

hasPart ^{op}
nextProcess ^{op}

Super Class Of   Transformation ^c

Process execution ^c

IRI	http://w3id.org/CEON/ontology/processODP/ProcessExecution
Description	An execution of a specific process.

In Range Of   has process execution ^{op}

Process type ^c

IRI	http://w3id.org/CEON/ontology/processODP/ProcessType
Description	The type of a process.

In Range Of   has process type ^{op}

Situation ^c

IRI	http://w3id.org/CEON/ontology/processODP/Situation

In Domain Of   isSettingFor ^{op}

In Range Of

intialSituation ^{op}
resultingSituation ^{op}

Transformation ^c

IRI	http://w3id.org/CEON/ontology/processODP/Transformation
Sub Class Of	Process ^c
In Domain Of	hasInput ^{op} hasOutput ^{op} intialSituation ^{op} occursInLocation ^{op} resultingSituation ^{op}

Object Properties

participation in ^{op}

IRI	http://w3id.org/CEON/ontology/actorODP/participationIn

has input ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/hasInput
Domain	Transformation ^c

has output ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/hasOutput
Domain	Transformation ^c

has part ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/hasPart
Domain	Process ^c
Range	Process ^c

has process execution ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/hasProcessExecution
Description	A process can have specific executions.
Domain	Process ^c
Range	Process execution ^c

has process type ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/hasProcessType
Description	The type of the process.
Domain	Process ^c
Range	Process type ^c

intial situation ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/intialSituation
Domain	Transformation ^c
Range	Situation ^c

is setting for ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/isSettingFor
Domain	Situation ^c

next process ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/nextProcess
Domain	Process ^c
Range	Process ^c

occurs in location ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/occursInLocation
Domain	Transformation ^c

resulting situation ^{op}

IRI	http://w3id.org/CEON/ontology/processODP/resultingSituation
Domain	Transformation ^c
Range	Situation ^c

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/processODP/

actor

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

actorODP

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

dcterms

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

odp

http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#

owl

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

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#

vann

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

Legend

c	Classes
op	Object Properties
ap	Annotation Properties