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

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

Restriction actorODP:participationIn^{op} some actor:ProcessParticipation^c

Process ^C

Description

An activity in the context of a circular value network, handling resources.

In Domain Of

<u>hasPart^{op}</u>

has process execution op has process type op nextProcess op

In Range Of

<u>hasPart</u>^{op} <u>nextProcess</u>^{op}

Super Class Of

<u>Transformation</u>^C

Process execution ^C

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

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

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

has input op

Domain <u>Transformation</u>^C

has output op

Domain <u>Transformation</u>^C

has part op

Domain Process^C

Range Process^C

has process execution op

on

Description A process can have specific executions.

Domain Process^c

Range Process execution^c

has process type op

Description The type of the process.

Domain Process^C

Range Process type^C

intial situation op

Domain <u>Transformation</u>^C

Range Situation^C

is setting for op

Domain Situation^C

next process op

Domain Process^C

Range Process^C

occurs in location op

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

Domain <u>Transformation</u>^C

resulting situation op

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

n

Domain <u>Transformation</u>^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

