

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/process0DP/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/process0DP/ProcessExecution
Description	An execution of a specific process.
In Range Of	has_process_execution ^{op}

Process type^C

IRI	http://w3id.org/CEON/ontology/process0DP/ProcessType
Description	The type of a process.
In Range Of	has_process_type ^{op}

Situation^C

IRI	http://w3id.org/CEON/ontology/process0DP/Situation
In Domain Of	isSettingFor ^{op}
In Range Of	intialSituation ^{op} resultingSituation ^{op}

Transformation^C

IRI	http://w3id.org/CEON/ontology/process0DP/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/CE0N/ontology/actor0DP/participationIn>

has input^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/hasInput>

Domain [Transformation^c](#)

has output^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/hasOutput>

Domain [Transformation^c](#)

has part^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/hasPart>

Domain [Process^c](#)

Range [Process^c](#)

has process execution^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/hasProcessExecution>

Description A process can have specific executions.

Domain [Process^c](#)

Range [Process execution^c](#)

has process type^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/hasProcessType>

Description The type of the process.

Domain [Process^c](#)

Range [Process type^c](#)

intial situation^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/intialSituation>

Domain [Transformation^c](#)

Range [Situation^c](#)

is setting for^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/isSettingFor>

Domain [Situation](#)^c

next process^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/nextProcess>

Domain [Process](#)^c

Range [Process](#)^c

occurs in location^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/occursInLocation>

Domain [Transformation](#)^c

resulting situation^{op}

IRI <http://w3id.org/CE0N/ontology/process0DP/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