

Circular Economy Ontology Network (CEON) - Process ODP

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Process ODP

Publisher

Onto-DESIDE

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Version Iri

<http://w3id.org/CEON/ontology/processODP/0.5/>

Version Info

0.5

Prior Version

0.4

Preferred Namespace Prefix

ceon-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

Covers the following requirements from Onto-DESIDE D3.2: CE1-1, CE3-5, CE7-4, CE7-5, CE8-2, CE10-7, CE12-1, C3-1, C4-2, C4-5, C4-7, C4-9, C13-2, E1-9, E2-6, E3-7, T10-1.

Classes

Location ^c	
IRI	http://w3id.org/CEON/ontology/location/Location
In Range Of	occursAtLocation ^{op}

Event^c

IRI	http://w3id.org/CEON/ontology/processODP/Event
Sub Class Of	<u>hasInput</u>^{op} some Thing^c <i>and</i> <u>hasOutput</u>^{op} some Thing^c
Restriction	<u>hasPart</u>^{op} only Event^c

Process^c

IRI	http://w3id.org/CEON/ontology/processODP/Process
Description	Something that takes place over a (longer) period of time and changes some state of affairs.
Sub Class Of	<u>hasInput</u>^{op} some Thing^c <i>and</i> <u>hasOutput</u>^{op} some Thing^c
In Domain Of	<u>hasInput</u>^{op} <u>hasOutput</u>^{op}
Restriction	<u>hasPart</u>^{op} only Process^c

Situation^c

IRI	http://w3id.org/CEON/ontology/processODP/Situation
In Domain Of	<u>isSettingFor</u>^{op}
Restriction	<u>isSettingFor</u>^{op} some Situation^c

Time Interval^c

IRI	http://w3id.org/CEON/ontology/processODP/TimeInterval
In Domain Of	<u>endTime</u>^{dp} <u>startTime</u>^{dp}
In Range Of	<u>duringTime</u>^{op}

Object Properties

during time^{op}

IRI	http://w3id.org/CEON/ontology/processODP/duringTime
Range	TimeInterval^c

has input^{op}

IRI <http://w3id.org/CEON/ontology/processODP/hasInput>

Domain [Process^c](#)

has output^{op}

IRI <http://w3id.org/CEON/ontology/processODP/hasOutput>

Domain [Process^c](#)

has part^{op}

IRI <http://w3id.org/CEON/ontology/processODP/hasPart>

is setting for^{op}

IRI <http://w3id.org/CEON/ontology/processODP/isSettingFor>

Super Property Of [occursAtLocation^{op}](#)

Domain [Situation^c](#)

occurs at location^{op}

IRI <http://w3id.org/CEON/ontology/processODP/occursAtLocation>

Sub Property Of [isSettingFor^{op}](#)

Range [## Datatype Properties](http://w3id.org/CEON/ontology/location/Location^c</p></div><div data-bbox=)

end time^{dp}

IRI <http://w3id.org/CEON/ontology/processODP/endTime>

Domain [TimeInterval^c](#)

Range [xsd:dateTime](#)

start time^{dp}

IRI <http://w3id.org/CEON/ontology/processODP/startTime>

Domain [TimeInterval^c](#)

Range [xsd:dateTime](#)

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
issued ^{ap}	
IRI	http://purl.org/dc/terms/issued
license ^{ap}	
IRI	http://purl.org/dc/terms/license
publisher ^{ap}	
IRI	http://purl.org/dc/terms/publisher
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/processODP/>

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/>

xsd

<http://www.w3.org/2001/XMLSchema#>

Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties