

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, E2-6

Classes

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

Event^C

IRI <http://w3id.org/CE0N/ontology/processODP/Event>

Sub Class Of [hasInput](#)^{op} some [Thing](#)^C *and* [hasOutput](#)^{op} some [Thing](#)^C

Restriction [hasPart](#)^{op} only [Event](#)^C

Process^C

IRI <http://w3id.org/CE0N/ontology/processODP/Process>

Description Something that takes place over a (longer) period of time and changes some state of affairs.

Sub Class Of [hasInput](#)^{op} some [Thing](#)^C *and* [hasOutput](#)^{op} some [Thing](#)^C

In Domain Of [hasInput](#)^{op}
[hasOutput](#)^{op}

Restriction [hasPart](#)^{op} only [Process](#)^C

Situation^C

IRI <http://w3id.org/CE0N/ontology/processODP/Situation>

In Domain Of [isSettingFor](#)^{op}

Restriction [isSettingFor](#)^{op} some [Situation](#)^C

Time Interval^C

IRI <http://w3id.org/CE0N/ontology/processODP/TimeInterval>

In Domain Of [endTime](#)^{dp}
[startTime](#)^{dp}

In Range Of [duringTime](#)^{op}

Object Properties

during time^{op}

IRI <http://w3id.org/CE0N/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 <http://w3id.org/CEON/ontology/location/Location>^c

Datatype Properties

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](#)

Namespaces

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