

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/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](#)

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/cannotation-schema.owl#coversRequirements
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Namespaces

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

dcterms

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

odp

<http://www.ontologydesignpatterns.org/schemas/cannotationschema.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