

# 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

**Creator**

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**Date Created**

2025-05-20

**Date Issued**

2025-06-30

**License**

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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 <sup>c</sup>	
<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/location/Location">http://w3id.org/CEON/ontology/location/Location</a>
<b>In Range Of</b>	<a href="#">occursAtLocation</a> <sup>op</sup>

## Event<sup>C</sup>

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

**Sub Class Of** [hasOutput](#)<sup>op</sup> some [Thing](#)<sup>C</sup> *and* [hasInput](#)<sup>op</sup> some [Thing](#)<sup>C</sup>

**Restriction** [hasPart](#)<sup>op</sup> only [Event](#)<sup>C</sup>

## Process<sup>C</sup>

**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** [hasOutput](#)<sup>op</sup> some [Thing](#)<sup>C</sup> *and* [hasInput](#)<sup>op</sup> some [Thing](#)<sup>C</sup>

**In Domain Of** [hasInput](#)<sup>op</sup>  
[hasOutput](#)<sup>op</sup>

**Restriction** [hasPart](#)<sup>op</sup> only [Process](#)<sup>C</sup>

## Situation<sup>C</sup>

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

**In Domain Of** [isSettingFor](#)<sup>op</sup>

**Restriction** [isSettingFor](#)<sup>op</sup> some [Situation](#)<sup>C</sup>

## Time Interval<sup>C</sup>

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

**In Domain Of** [endTime](#)<sup>dp</sup>  
[startTime](#)<sup>dp</sup>

**In Range Of** [duringTime](#)<sup>op</sup>

## Object Properties

### during time<sup>op</sup>

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

**Range** [TimeInterval](#)<sup>C</sup>

has input<sup>op</sup>

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

**Domain** [Process](#)<sup>c</sup>

has output<sup>op</sup>

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

**Domain** [Process](#)<sup>c</sup>

has part<sup>op</sup>

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

is setting for<sup>op</sup>

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

**Super Property Of** [occursAtLocation](#)<sup>op</sup>

**Domain** [Situation](#)<sup>c</sup>

occurs at location<sup>op</sup>

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

**Sub Property Of** [isSettingFor](#)<sup>op</sup>

**Range** <http://w3id.org/CEON/ontology/location/Location><sup>c</sup>

## Datatype Properties

end time<sup>dp</sup>

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

**Domain** [TimeInterval](#)<sup>c</sup>

**Range** [xsd:dateTime](#)

start time<sup>dp</sup>

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

**Domain** [TimeInterval](#)<sup>c</sup>

**Range** [xsd:dateTime](#)

## Annotation Properties

contributor<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/contributor>

created<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/created>

creator<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/creator>

description<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/description>

issued<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/issued>

license<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/license>

publisher<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/publisher>

title<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/title>

preferred namespace prefix<sup>ap</sup>

**IRI** <http://purl.org/vocab/vann/preferredNamespacePrefix>

preferred namespace uri<sup>ap</sup>

**IRI** <http://purl.org/vocab/vann/preferredNamespaceUri>

covers requirements<sup>ap</sup>

IRI	<a href="http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements">http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements</a>
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## Namespaces

:

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

**dcterms**

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

**odp**

<http://www.ontologydesignpatterns.org/schemas/cannotation-schema.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