

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

## Namespaces

:	<a href="http://w3id.org/CEON/ontology/processODP/">http://w3id.org/CEON/ontology/processODP/</a>
<b>dcterms</b>	<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>
<b>odp</b>	<a href="http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#">http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#</a>
<b>owl</b>	<a href="http://www.w3.org/2002/07/owl#">http://www.w3.org/2002/07/owl#</a>
<b>prov</b>	<a href="http://www.w3.org/ns/prov#">http://www.w3.org/ns/prov#</a>
<b>rdf</b>	<a href="http://www.w3.org/1999/02/22-rdf-syntax-ns#">http://www.w3.org/1999/02/22-rdf-syntax-ns#</a>
<b>rdfs</b>	<a href="http://www.w3.org/2000/01/rdf-schema#">http://www.w3.org/2000/01/rdf-schema#</a>
<b>vann</b>	<a href="http://purl.org/vocab/vann/">http://purl.org/vocab/vann/</a>
<b>xsd</b>	<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>

## Legend

c	Classes
op	Object Properties
dp	Datatype Properties