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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Date Created

2025-05-20

Date Issued

2025-06-30

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

Situation ^c

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

Time Interval ^c

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

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