

Circular Economy Ontology Network (CEON) - Plan Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Plan Module

Publisher

Onto-DESIDe

Creator

Huanyu Li

Contributor

Eva Blomqvist

Date Created

2025-06-19

Date Issued

2025-06-30

License

<https://creativecommons.org/licenses/by/4.0/>

Version Iri

<http://w3id.org/CEON/ontology/plan/0.1/>

Version Info

0.1

Preferred Namespace Prefix

ceon-plan

Preferred Namespace Uri

<https://w3id.org/CEON/ontology/plan/>

Description

The Plan module of CEON (Circular Economy Ontology Network).

Covers Requirements

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDe D3.1: T8-2

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDe D3.2: T8-2

Classes

Description ^c	
IRI	http://w3id.org/CEON/ontology/plan/Description
In Range Of	satisfiesPlan ^{op}
Super Class Of	Plan ^c

Plan^C

IRI <http://w3id.org/CE0N/ontology/plan/Plan>

Sub Class Of [Description^C](#)

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

Restriction [processODP:hasPart](#) some [Plan^C](#)

Plan Execution^C

IRI <http://w3id.org/CE0N/ontology/plan/PlanExecution>

Sub Class Of
[processODP:Situation](#)
[processODP:occursAtTime](#) some [xsd:dateTime^C](#) or [processODP:duringTime](#)
some [processODP:TimeInterval^C](#)

In Domain Of
[followsExecution^{op}](#)
[precedesExecution^{op}](#)
[occursAtTime^{dp}](#)

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

Restriction
[followsExecution^{op}](#) some [PlanExecution^C](#)
[precedesExecution^{op}](#) some [PlanExecution^C](#)
[satisfiesPlan^{op}](#) some [PlanExecution^C](#)
[processODP:hasPart](#) some [PlanExecution^C](#)
[processODP:isSettingFor](#) some [PlanExecution^C](#)

Object Properties

follows execution^{op}

IRI <http://w3id.org/CE0N/ontology/plan/followsExecution>

Sub Property Of [processODP:isSettingFor](#)

Domain [PlanExecution^C](#)

has plan execution^{op}

IRI <http://w3id.org/CE0N/ontology/plan/hasPlanExecution>

Sub Property Of [topObjectProperty^{op}](#)

Domain [Plan^C](#)

Range [PlanExecution^C](#)

precedes execution^{op}

IRI <http://w3id.org/CE0N/ontology/plan/precedesExecution>

Sub Property Of [processODP:isSettingFor](#)

Domain [PlanExecution](#)^c

satisfies plan^{op}

IRI <http://w3id.org/CE0N/ontology/plan/satisfiesPlan>

Sub Property Of [topObjectProperty](#)^{op}

Domain [processODP:Situation](#)

Range [Description](#)^c

has input^{op}

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

has output^{op}

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

Datatype Properties

occurs at time^{dp}

IRI <http://w3id.org/CE0N/ontology/plan/occursAtTime>

Domain [PlanExecution](#)^c

Range [xsd:dateTime](#)

Namespaces

:

<http://w3id.org/CE0N/ontology/plan/>

dcterms

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

odp

<http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#>

owl

<http://www.w3.org/2002/07/owl#>

processODP

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

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