Circular Economy Ontology Network (CEON) - Resource ODP

Metadata

IRI

http://w3id.org/CEON/ontology/re
sourceODP/

Title

Circular Economy Ontology Network (CEON) - Resource ODP

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License

https://github.com/LiUSemWeb/CEON/blob/master/LICENSE

Version Iri

http://w3id.org/CEON/ontology/resourceODP/0.1/

Version Info

0.1

Preferred Namespace Prefix

resourceODP

Preferred Namespace Uri

http://w3id.org/CEON/ontology/resourceODP/

Description

A core ODP of the CEON ontology network defining aspects of the resource concept.

Covers Requirements

Covers the following requirements from Onto-DESIDE D3.1: CVN-Resource-1,3, CVN-Composition-1,2, CVN-ResrouceType-4, C7-3, E2-2, E4-6, E5-1, E6-3, T3-1.

Classes

Constituent ^c	
IRI	http://w3id.org/CEO N/ontology/resource ODP/Constituent
Description	A constituent is a component of object.
In Range Of	<u>hasConstituent</u> ^{op}

Information ^c	
IRI	http://w3id.org/CEO N/ontology/resource ODP/Information
Sub Class Of	Resource ^c

Matter ^C	
IRI	http://w3id.org/CEO N/ontology/resource ODP/Matter
Description	A matter is a physical substance.
In Range Of	<u>hasMatter</u> ^{op}

PhysicalObject^C

IRI http://w3id.org/CE0

N/ontology/resource ODP/PhysicalObject

Description A physical object is a

collection of matter.

Sub Class Of Resource^C

<u>hasConstituent</u>^{op} only

Constituent^c and

<u>hasConstituent</u>^{op} some

<u>Constituent</u>^C

hasMatter^{op} only Matter^c and hasMatter^{op} some

Matter^C

In Domain Of

<u>hasConstituent</u>^{op}

<u>hasMatter</u>op

Resource ^C

http://w3id.org/CE0

N/ontology/resource

ODP/Resource

Description A resource able to be

handled in the context of a circular value network, e.g. data generated by software systems in the CVN, materials or prooducts as physical objects handled in the

CVN.

Super Class Of

Information^C
PhysicalObject^C

Object Properties

hasConstituent op

http://w3id.org/CE0

N/ontology/resource ODP/hasConstituent

Description hasConstitutent intends

to represent that a physical object can have a collection of composing

components.

Domain PhysicalObject^C

Range Constituent^C

hasMatter op

http://w3id.org/CE0

N/ontology/resource

ODP/hasMatter

Description hasMatter intends to

represent that a physical

object can have a collection of matter.

Domain PhysicalObject^C

Range Matter^C

Annotation Properties

 $description^{\displaystyle ap}$

IRI http://purl.org/dc/

elements/1.1/descri

ption

contributor ap

http://purl.org/dc/

terms/contributor

created ap

http://purl.org/dc/

terms/created

creator ^{ap}	
IRI	http://purl.org/dc/ terms/creator

description ^{ap}	
IRI	http://purl.org/dc/ terms/description

license ^{ap}	
IRI	http://purl.org/dc/ terms/license

title ^{ap}	
IRI	http://purl.org/dc/ terms/title

preferred namespace prefix ap	
IRI	http://purl.org/voc ab/vann/preferredNa mespacePrefix

```
preferred namespace uri ap

IRI http://purl.org/voc
ab/vann/preferredNa
mespaceUri
```

IRI http://www.ontology designpatterns.org/ schemas/cpannotatio nschema.owl#coversR equirements

Namespaces

```
:
    http://w3id.org/CEON/ontology/re
    sourceODP/
dc
    http://purl.org/dc/elements/1.1/
dcterms
    http://purl.org/dc/terms/
odp
    http://www.ontologydesignpattern
    s.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/
```

Legend

c Clas ses

Obj ect op Pro perti es

Ann otati ap on Pro perti

es