

Circular Economy Ontology Network (CEON) - Resource ODP

Metadata

IRI

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

Title

Circular Economy Ontology Network
(CEON) - Resource ODP

Creator

Huanyu Li

Contributor

Eva Blomqvist

Mikael Lindecrantz

Robin Keskisärkkä

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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-ResourceType-
4, C7-3, E2-2, E4-6, E5-1, E6-3, T3-1.

Classes

Constituent^c

IRI <http://w3id.org/CEON/ontology/resourceODP/Constituent>

Description A constituent is a component of object.

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

Information^c

IRI <http://w3id.org/CEON/ontology/resourceODP/Information>

Sub Class Of [Resource^c](#)

Matter^c

IRI <http://w3id.org/CEON/ontology/resourceODP/Matter>

Description A matter is a physical substance.

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

PhysicalObject^c

IRI

<http://w3id.org/CEON/ontology/resourceODP/PhysicalObject>

Description

A physical object is a collection of matter.

Sub Class Of

[Resource](#)^c
[hasConstituent](#)^{op} only
[Constituent](#)^c *and*
[hasConstituent](#)^{op} some
[Constituent](#)^c
[hasMatter](#)^{op} some [Matter](#)
^c *and* [hasMatter](#)^{op} only
[Matter](#)^c

In Domain Of

[hasConstituent](#)^{op}
[hasMatter](#)^{op}

Resource^c

IRI <http://w3id.org/CEN/ontology/resourceODP/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 products as physical objects handled in the CVN.

Super Class Of

[Information^c](#)
[PhysicalObject^c](#)

Object Properties

hasConstituent^{op}

IRI <http://w3id.org/CEN/ontology/resourceODP/hasConstituent>

Description

hasConstituent intends to represent that a physical object can have a collection of composing components.

Domain

[PhysicalObject^c](#)

Range

[Constituent^c](#)

hasMatter^{op}

IRI <http://w3id.org/CEON/ontology/resourceODP/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^{ap}

IRI <http://purl.org/dc/elements/1.1/description>

contributor^{ap}

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

created^{ap}

IRI <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/vocab/vann/preferredNamespacePrefix>

preferred namespace uri^{ap}

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

covers requirements^{ap}

IRI	http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#coversRequirements
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Namespaces

:	http://w3id.org/CEON/ontology/resourceODP/
dc	http://purl.org/dc/elements/1.1/
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/

Legend

c	Classes
op	Object Properties
ap	Annotation Properties