

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-ResrouceType-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/CE0N/ontology/resource0DP/Matter>

Description A matter is a physical substance.

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

PhysicalObject^C

IRI <http://w3id.org/CE0N/ontology/resource0DP/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}](#) only [Matter^C](#) and [hasMatter^{op}](#) some [Matter^C](#)

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

Resource^C

IRI <http://w3id.org/CE0N/ontology/resource0DP/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/CE0N/ontology/resource0DP/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/CE0N/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/cpannotation-schema.owl#coversRequirements>

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 |