

# Resource ODP

## Metadata

### IRI

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

### Title

Resource ODP

### Creator

Huanyu Li

### Contributor

Eva Blomqvist

Mikael Lindecrantz

Robin Keskisärkkä

### Date Created

2023-03-16

### License

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

### Version Iri

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

### Version Info

0.1

### Preferred Namespace Prefix

resourceODP

### Preferred Namespace Uri

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

### Description

The Resource ODP.

## Classes

### Constituent<sup>c</sup>

#### IRI

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

#### Description

A constituent is a component of object.

#### In Range Of

[hasConstituent](#)<sup>op</sup>

## Information<sup>c</sup>

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

**Sub Class Of** [Resource<sup>c</sup>](#)

## Matter<sup>c</sup>

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

**Description** A matter is a physical substance.

**In Range Of** [hasMatter<sup>op</sup>](#)

## PhysicalObject<sup>c</sup>

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

**Description** A physical object is a collection of matter.

**Sub Class Of** [Resource<sup>c</sup>](#)  
[hasConstituent<sup>op</sup>](#) only  
*and* [hasConstituent<sup>op</sup>](#) some  
[hasMatter<sup>op</sup>](#) only  
*and* [hasMatter<sup>op</sup>](#) some

**In Domain Of** [hasConstituent<sup>op</sup>](#)  
[hasMatter<sup>op</sup>](#)

## Resource<sup>c</sup>

**IRI** <http://w3id.org/CEON/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<sup>c</sup>](#)  
[PhysicalObject<sup>c</sup>](#)

## Object Properties

### hasConstituent<sup>op</sup>

|                    |   |
|--------------------|---|
| <b>IRI</b>         | <a href="http://w3id.org/CEON/ontology/resourceODP/hasConstituent">http://w3id.org/CEON/ontology/resourceODP/hasConstituent</a> |
| <b>Description</b> | hasConstituent intends to represent that a physical object can have a collection of composing components.                       |
| <b>Domain</b>      | <a href="#">PhysicalObject</a> <sup>c</sup>   |
| <b>Range</b>       | <a href="#">Constituent</a> <sup>c</sup>  |

### hasMatter<sup>op</sup>

|                    |   |
|--------------------|---|
| <b>IRI</b>         | <a href="http://w3id.org/CEON/ontology/resourceODP/hasMatter">http://w3id.org/CEON/ontology/resourceODP/hasMatter</a> |
| <b>Description</b> | hasMatter intends to represent that a physical object can have a collection of matter.                                |
| <b>Domain</b>      | <a href="#">PhysicalObject</a> <sup>c</sup>   |
| <b>Range</b>       | <a href="#">Matter</a> <sup>c</sup>   |

## Annotation Properties

### description<sup>ap</sup>

|            |   |
|------------|---|
| <b>IRI</b> | <a href="http://purl.org/dc/elements/1.1/description">http://purl.org/dc/elements/1.1/description</a> |
|------------|---|

### contributor<sup>ap</sup>

|            |   |
|------------|---|
| <b>IRI</b> | <a href="http://purl.org/dc/terms/contributor">http://purl.org/dc/terms/contributor</a> |
|------------|---|

### created<sup>ap</sup>

|            |   |
|------------|---|
| <b>IRI</b> | <a href="http://purl.org/dc/terms/created">http://purl.org/dc/terms/created</a> |
|------------|---|

### creator<sup>ap</sup>

|            |   |
|------------|---|
| <b>IRI</b> | <a href="http://purl.org/dc/terms/creator">http://purl.org/dc/terms/creator</a> |
|------------|---|

|  |   |
|--|---|
| description <sup>ap</sup>                |   |
| IRI                                      | <a href="http://purl.org/dc/terms/description">http://purl.org/dc/terms/description</a>                               |
| license <sup>ap</sup>                    |   |
| IRI                                      | <a href="http://purl.org/dc/terms/license">http://purl.org/dc/terms/license</a>                                       |
| title <sup>ap</sup>                      |   |
| IRI                                      | <a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>   |
| preferred namespace prefix <sup>ap</sup> |   |
| IRI                                      | <a href="http://purl.org/vocab/vann/preferredNamespacePrefix">http://purl.org/vocab/vann/preferredNamespacePrefix</a> |
| preferred namespace uri <sup>ap</sup>    |   |
| IRI                                      | <a href="http://purl.org/vocab/vann/preferredNamespaceUri">http://purl.org/vocab/vann/preferredNamespaceUri</a>       |

## Namespaces

**dc**

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

**dcterms**

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

**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#>

**resourceODP**

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

**vann**

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

## Legend

c

op

ap

Classes

Object Properties

Annotation Properties