

Circular Economy Ontology Network (CEON) - Resource ODP

Metadata

IRI

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

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/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/resource0DP/Matter
Description	A matter is a physical substance.
In Range Of	hasMatter^{op}

PhysicalObject^C

IRI	http://w3id.org/CEON/ontology/resource0DP/PhysicalObject
Description	A physical object is a collection of matter.
Sub Class Of	Resource^C hasConstituent^{op} some Constituent^C and hasConstituent^{op} only 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/CEON/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/CEON/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/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/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