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/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] some Constituent [C] *and* hasConstituent [op] only 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/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 prooducts as physical objects handled in the CVN.

Super Class Of

Information [C]
PhysicalObject [C]

Object Properties

hasConstituent [op]

IRI

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

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