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} 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/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/cpannotationschema.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