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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Date Created

2023-03-16

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} 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`

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