Circular Economy Ontology Network (CEON) - Product Module

Metadata

IRI

`http://w3id.org/CEON/ontology/product/`

Title

Circular Economy Ontology Network (CEON) - Product Module

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/product/0.1/

Version Info

0.1

Preferred Namespace Prefix

product

Preferred Namespace Uri

http://w3id.org/CEON/ontology/product/

Description

The Product module of CEON (Circular Economy Ontology Network).

Covers Requirements

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.1: CVN-Resource-2, CVN-ResrouceType-4, C11-2, C12-1, C13-3, E2-1, T8-3.

Classes

Product ^C

IRI	`http://w3id.org/CEON/ontology/product/Product`
Description	A product is a physical object put into a market for sale. The product can be a thing that grows naturally or produced through some chemical or manufacturing processes.
Sub Class Of	resourceODP:PhysicalObject ^c hasProductComponent ^{op} only ProductComponent ^c *and* hasProductComponent ^{op} some ProductComponent ^c
In Domain Of	hasProductComponent ^{op}

ProductComponent ^C

IRI	`http://w3id.org/CEON/ontology/product/ProductComponent`
Description	A product component is a part of a product.
Sub Class Of	resourceODP:Constituent ^C
In Range Of	hasProductComponent ^{op}

Constituent ^C

IRI	`http://w3id.org/CEON/ontology/resourceODP/Constituent`
Super Class Of	ProductComponent ^C

Matter ^C

IRI	`http://w3id.org/CEON/ontology/resourceODP/Matter`

Physical Object ^C

IRI	`http://w3id.org/CEON/ontology/resourceODP/PhysicalObject`
Super Class Of	Product ^C

Resource ^C

IRI	`http://w3id.org/CEON/ontology/resourceODP/Resource`

Object Properties

hasProductComponent ^{op}

IRI	`http://w3id.org/CEON/ontology/product/hasProductComponent`
Description	hasProductComponent intends to represent that a product can have a collection of components.
Domain	Product ^C
Range	ProductComponent ^C

Annotation Properties

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/product/

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#

resourceODP

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

vann

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

Legend

c	Classes
op	Object Properties
ap	Annotation Properties