

# Circular Economy Ontology Network (CEON) - Product Module

## Metadata

IRI	<a href="http://w3id.org/CEON/ontology/product/">http://w3id.org/CEON/ontology/product/</a>
Title	Circular Economy Ontology Network (CEON) - Product Module
Creator	Huanyu Li
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License	<a href="https://creativecommons.org/licenses/by/4.0/">https://creativecommons.org/licenses/by/4.0/</a>
Version Iri	<a href="http://w3id.org/CEON/ontology/product/0.5/">http://w3id.org/CEON/ontology/product/0.5/</a>
Version Info	0.5
Preferred Namespace Prefix	product
Preferred Namespace Uri	<a href="http://w3id.org/CEON/ontology/product/">http://w3id.org/CEON/ontology/product/</a>
Description	The Product module of CEON (Circular Economy Ontology Network).
Covers Requirements	<p>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.</p> <p>In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.2: CE5-2, C11-2, C12-1, C13-3, E2-1, T8-3.</p>

## Classes

Actor <sup>C</sup>	
IRI	<a href="http://w3id.org/CEON/ontology/actorODP/Actor">http://w3id.org/CEON/ontology/actorODP/Actor</a>
Resource Relation <sup>C</sup>	
IRI	<a href="http://w3id.org/CEON/ontology/actorODP/ResourceRelation">http://w3id.org/CEON/ontology/actorODP/ResourceRelation</a>
Process <sup>C</sup>	
IRI	<a href="http://w3id.org/CEON/ontology/processODP/Process">http://w3id.org/CEON/ontology/processODP/Process</a>

## Assembly Location<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/AssemblyLocation">http://w3id.org/CEON/ontology/product/AssemblyLocation</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/location/Location">http://w3id.org/CEON/ontology/location/Location</a>
<b>In Domain Of</b>	<a href="#">countryOfAssembly<sup>dp</sup></a>
<b>In Range Of</b>	<a href="#">hasAssemblyLocation<sup>op</sup></a>
<b>Restriction</b>	<a href="http://w3id.org/CEON/ontology/location/hasCity_max_1_AssemblyLocation">http://w3id.org/CEON/ontology/location/hasCity_max 1 AssemblyLocation<sup>C</sup></a> <a href="http://w3id.org/CEON/ontology/location/hasPostalCode_max_1_AssemblyLocation">http://w3id.org/CEON/ontology/location/hasPostalCode_max 1 AssemblyLocation<sup>C</sup></a> <a href="http://w3id.org/CEON/ontology/location/hasStreetAddress_max_1_AssemblyLocation">http://w3id.org/CEON/ontology/location/hasStreetAddress_max 1 AssemblyLocation<sup>C</sup></a> <a href="#">countryOfAssembly<sup>dp</sup> max 1 AssemblyLocation<sup>C</sup></a>

## Compliance<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/Compliance">http://w3id.org/CEON/ontology/product/Compliance</a>
<b>In Domain Of</b>	<a href="#">complianceWith<sup>op</sup></a> <a href="#">hasCertificate<sup>dp</sup></a>
<b>In Range Of</b>	<a href="#">hasCompliance<sup>op</sup></a>
<b>Super Class Of</b>	<a href="#">ISOCompliance<sup>C</sup></a> <a href="#">REACHCompliance<sup>C</sup></a> <a href="#">RoHSCompliance<sup>C</sup></a>

## Composition<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/Composition">http://w3id.org/CEON/ontology/product/Composition</a>
<b>Sub Class Of</b>	<a href="#">actorODP:ResourceParticipation</a>
<b>In Domain Of</b>	<a href="#">compositionOf<sup>op</sup></a> <a href="#">Composition quantity<sup>dp</sup></a>
<b>In Range Of</b>	<a href="#">hasComposition<sup>op</sup></a>
<b>Super Class Of</b>	<a href="#">Matter composition<sup>C</sup></a> <a href="#">Product composition<sup>C</sup></a> <a href="#">ProductObjectComposition<sup>C</sup></a>

## Iso Compliance<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/ISOCompliance">http://w3id.org/CEON/ontology/product/ISOCompliance</a>
<b>Sub Class Of</b>	<a href="#">Compliance<sup>C</sup></a>

## Item<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/Item">http://w3id.org/CEON/ontology/product/Item</a>
<b>Description</b>	An item is a physical object put into a market for sale, i.e. corresponding to an individual of a product. The item can be a thing that grows naturally or produced through some chemical or manufacturing processes.
<b>Sub Class Of</b>	<a href="#">resourceODP:PhysicalObject</a> <sup>C</sup>
<b>In Domain Of</b>	<a href="#">hasProductObjectComponent</a> <sup>op</sup> <a href="#">modelled by</a> <sup>op</sup>
<b>In Range Of</b>	<a href="#">associatedWithProductObject</a> <sup>op</sup> <a href="#">hasProductObjectComponent</a> <sup>op</sup>
<b>Restriction</b>	<a href="#">modelled by</a> <sup>op</sup> <i>exactly</i> 1 <a href="#">Item</a> <sup>C</sup>

## Manufacture Location<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/ManufactureLocation">http://w3id.org/CEON/ontology/product/ManufactureLocation</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/location/Location">http://w3id.org/CEON/ontology/location/Location</a>
<b>In Domain Of</b>	<a href="#">countryOfManufacture</a> <sup>dp</sup>
<b>In Range Of</b>	<a href="#">hasManufacturerLocation</a> <sup>op</sup>
<b>Restriction</b>	<a href="#">http://w3id.org/CEON/ontology/location/hasCity</a> <i>max</i> 1 <a href="#">ManufactureLocation</a> <sup>C</sup> <a href="#">http://w3id.org/CEON/ontology/location/hasPostalCode</a> <i>max</i> 1 <a href="#">ManufactureLocation</a> <sup>C</sup> <a href="#">http://w3id.org/CEON/ontology/location/hasStreetAddress</a> <i>max</i> 1 <a href="#">ManufactureLocation</a> <sup>C</sup> <a href="#">countryOfManufacture</a> <sup>dp</sup> <i>max</i> 1 <a href="#">ManufactureLocation</a> <sup>C</sup>

## Matter composition<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/MatterComposition">http://w3id.org/CEON/ontology/product/MatterComposition</a>
<b>Description</b>	A product composition is the composed information of a product in terms of a specific component, in which such a component is also a matter.
<b>Sub Class Of</b>	<a href="#">Composition</a> <sup>C</sup>
<b>In Domain Of</b>	<a href="#">associated with matter</a> <sup>op</sup>
<b>Restriction</b>	<a href="#">associated with matter</a> <sup>op</sup> <i>exactly</i> 1 <a href="#">Matter composition</a> <sup>C</sup>

## Origin Location<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/OriginLocation">http://w3id.org/CEON/ontology/product/OriginLocation</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/location/Location">http://w3id.org/CEON/ontology/location/Location</a>
<b>In Domain Of</b>	<a href="#">countryOfOrigin</a> <sup>dp</sup>
<b>In Range Of</b>	<a href="#">hasOriginLocation</a> <sup>op</sup>
<b>Restriction</b>	<a href="http://w3id.org/CEON/ontology/location/hasCity_max_1_OriginLocation">http://w3id.org/CEON/ontology/location/hasCity_max 1 OriginLocation</a> <sup>c</sup> <a href="http://w3id.org/CEON/ontology/location/hasPostalCode_max_1_OriginLocation">http://w3id.org/CEON/ontology/location/hasPostalCode_max 1 OriginLocation</a> <sup>c</sup> <a href="http://w3id.org/CEON/ontology/location/hasStreetAddress_max_1_OriginLocation">http://w3id.org/CEON/ontology/location/hasStreetAddress_max 1 OriginLocation</a> <sup>c</sup> <a href="#">countryOfOrigin</a> <sup>dp</sup> max 1 <a href="#">OriginLocation</a> <sup>c</sup>

## Product<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/Product">http://w3id.org/CEON/ontology/product/Product</a>
<b>Is Defined By</b>	ISO 59004:2024 -3.2.2 product
<b>Description</b>	<p>Physical-based object designed for or utilized with a purpose. A product can be, for example: goods of any type; hardware (e.g. engine mechanical part, spare parts, consumables); electrical or electronic hardware devices or components (e.g. computers, communication equipment and sensors); processed materials (e.g. lubricant, cement).</p> <p>Represents the common sense notion of a product, i.e. the abstract notion of a product type, which is a model that is used for manufacturing items of that product.</p>
<b>Sub Class Of</b>	<a href="#">Solution</a> <sup>c</sup> <a href="#">resourceODP:Resource</a>
<b>In Domain Of</b>	<a href="#">has_product_component</a> <sup>op</sup>
<b>In Range Of</b>	<a href="#">associated_with_product_model</a> <sup>op</sup> <a href="#">batch_of_products</a> <sup>op</sup> <a href="#">has_product_component</a> <sup>op</sup> <a href="#">modelled_by</a> <sup>op</sup>
<b>Restriction</b>	<a href="#">hasComposition</a> <sup>op</sup> some <a href="#">Product</a> <sup>c</sup> <a href="#">hasComposition</a> <sup>op</sup> some <a href="#">Product</a> <sup>c</sup> <a href="#">hasAssemblyLocation</a> <sup>op</sup> only <a href="#">Product</a> <sup>c</sup> <a href="#">hasManufacturerLocation</a> <sup>op</sup> only <a href="#">Product</a> <sup>c</sup> <a href="#">hasOriginLocation</a> <sup>op</sup> only <a href="#">Product</a> <sup>c</sup>

## Product composition<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/ProductComposition">http://w3id.org/CEON/ontology/product/ProductComposition</a>
<b>Description</b>	A product composition is the composed information of a product in terms of a specific component, in which such a component is also a product.
<b>Sub Class Of</b>	<a href="#">Composition</a> <sup>C</sup>
<b>In Domain Of</b>	<a href="#">associated with product model</a> <sup>op</sup>
<b>Restriction</b>	<a href="#">associated with product model</a> <sup>op</sup> <i>exactly</i> 1 <a href="#">Product composition</a> <sup>C</sup>

## Product Object Composition<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/ProductObjectComposition">http://w3id.org/CEON/ontology/product/ProductObjectComposition</a>
<b>Sub Class Of</b>	<a href="#">Composition</a> <sup>C</sup>
<b>In Domain Of</b>	<a href="#">associatedWithProductObject</a> <sup>op</sup>
<b>Restriction</b>	<a href="#">associatedWithProductObject</a> <sup>op</sup> <i>exactly</i> 1 <a href="#">ProductObjectComposition</a> <sup>C</sup>

## Production Location<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/ProductionLocation">http://w3id.org/CEON/ontology/product/ProductionLocation</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/location/Location">http://w3id.org/CEON/ontology/location/Location</a>
<b>In Domain Of</b>	<a href="#">countryOfProduction</a> <sup>dp</sup> <a href="#">productionSite</a> <sup>dp</sup>
<b>Restriction</b>	<a href="http://w3id.org/CEON/ontology/location/hasCity">http://w3id.org/CEON/ontology/location/hasCity</a> <i>max</i> 1 <a href="#">ProductionLocation</a> <sup>C</sup> <a href="http://w3id.org/CEON/ontology/location/hasPostalCode">http://w3id.org/CEON/ontology/location/hasPostalCode</a> <i>max</i> 1 <a href="#">ProductionLocation</a> <sup>C</sup> <a href="http://w3id.org/CEON/ontology/location/hasStreetAddress">http://w3id.org/CEON/ontology/location/hasStreetAddress</a> <i>max</i> 1 <a href="#">ProductionLocation</a> <sup>C</sup> <a href="#">countryOfProduction</a> <sup>dp</sup> <i>max</i> 1 <a href="#">ProductionLocation</a> <sup>C</sup> <a href="#">productionSite</a> <sup>dp</sup> <i>max</i> 1 <a href="#">ProductionLocation</a> <sup>C</sup>

## Reach Compliance<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/REACHCompliance">http://w3id.org/CEON/ontology/product/REACHCompliance</a>
<b>Sub Class Of</b>	<a href="#">Compliance</a> <sup>C</sup>
<b>Equivalentclass</b>	<a href="#">complianceWith</a> <sup>op</sup> value <a href="#">REACH</a> <sup>C</sup>

## Regulation<sup>C</sup>

**IRI** <http://w3id.org/CEON/ontology/product/Regulation>

**Named Individuals** [REACH<sup>ni</sup>](#)  
[RoHS<sup>ni</sup>](#)

## Ro Hs Compliance<sup>C</sup>

**IRI** <http://w3id.org/CEON/ontology/product/RoHSCompliance>

**Sub Class Of** [Compliance<sup>C</sup>](#)

**Equivalentclass** [complianceWith<sup>op</sup>](#) value [RoHS<sup>C</sup>](#)

## Solution<sup>C</sup>

**IRI** <http://w3id.org/CEON/ontology/product/Solution>

**Is Defined By** ISO 59004:2024 - 3.2.1 solution

**Description** Product or service, or a combination thereof, that fulfils a need of an interested party.

**Super Class Of** [Product<sup>C</sup>](#)

## Supplier Location<sup>C</sup>

**IRI** <http://w3id.org/CEON/ontology/product/SupplierLocation>

**Sub Class Of** <http://w3id.org/CEON/ontology/location/Location>

## Batch Of Objects<sup>C</sup>

**IRI** <http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects>

**In Domain Of** [batch of products<sup>op</sup>](#)

**Restriction** [batch of products<sup>op</sup>](#) *exactly* 1 [resourceODP:BatchOfObjects<sup>C</sup>](#)

## Matter<sup>C</sup>

**IRI** <http://w3id.org/CEON/ontology/resourceODP/Matter>

**In Range Of** [associated with matter<sup>op</sup>](#)

## Physical Object<sup>c</sup>

**IRI** <http://w3id.org/CE0N/ontology/resourceODP/PhysicalObject>

**Super Class Of** [Item<sup>c</sup>](#)

## Object Properties

### associated with matter<sup>op</sup>

**IRI** <http://w3id.org/CE0N/ontology/product/associatedWithMatter>

**Description** associatedWithMatter intends to represent the matter to which a matter composition information regards to.

**Domain** [Matter composition<sup>c</sup>](#)

**Range** [resourceODP:Matter<sup>c</sup>](#)

### associated with product model<sup>op</sup>

**IRI** <http://w3id.org/CE0N/ontology/product/associatedWithProductModel>

**Description** associatedWithProductModel intends to represent the product model to which a product composition information regards to.

**Domain** [Product composition<sup>c</sup>](#)

**Range** [Product<sup>c</sup>](#)

### associated with product object<sup>op</sup>

**IRI** <http://w3id.org/CE0N/ontology/product/associatedWithProductObject>

**Sub Property Of** [topObjectProperty<sup>op</sup>](#)

**Domain** [ProductObjectComposition<sup>c</sup>](#)

**Range** [Item<sup>c</sup>](#)

### batch of products<sup>op</sup>

**IRI** <http://w3id.org/CE0N/ontology/product/batchOfProduct>

**Description** batchOfProduct intends to represent what is the model product of a batch of objects.

**Domain** [resourceODP:BatchOfObjects<sup>c</sup>](#)

**Range** [Product<sup>c</sup>](#)

## compliance with<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/product/complianceWith>

**Domain** [Compliance](#)<sup>c</sup>

## composition of<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/product/compositionOf>

**Domain** [Composition](#)<sup>c</sup>

**Range** [Product](#)<sup>c</sup> or [resourceODP:Matter](#)<sup>c</sup> or [Item](#)<sup>c</sup>

## has assembly location<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/product/hasAssemblyLocation>

**Sub Property Of** <http://w3id.org/CEON/ontology/location/hasLocation>

**Domain** [Product](#)<sup>c</sup> or [Item](#)<sup>c</sup>

**Range** [AssemblyLocation](#)<sup>c</sup>

## has compliance<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/product/hasCompliance>

**Domain** [Item](#)<sup>c</sup> or [Product](#)<sup>c</sup> or <http://w3id.org/CEON/ontology/processODP/Process><sup>c</sup> or [actorODP:Actor](#)<sup>c</sup>

**Range** [Compliance](#)<sup>c</sup>

## has composition<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/product/hasComposition>

**Description** hasComposition intends to represent that a product model or physical object can have composition information.

**Domain** [Product](#)<sup>c</sup> or [resourceODP:PhysicalObject](#)<sup>c</sup>

**Range** [Composition](#)<sup>c</sup>

## has manufacturer location<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/product/hasManufacturerLocation>

**Sub Property Of** <http://w3id.org/CEON/ontology/location/hasLocation>

**Domain** [Item](#)<sup>c</sup> or [Product](#)<sup>c</sup>

**Range** [ManufactureLocation](#)<sup>c</sup>



### has origin location<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/hasOriginLocation">http://w3id.org/CEON/ontology/product/hasOriginLocation</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/location/hasLocation">http://w3id.org/CEON/ontology/location/hasLocation</a>
<b>Domain</b>	<a href="#">Product</a> <sup>c</sup> or <a href="#">Item</a> <sup>c</sup>
<b>Range</b>	<a href="#">OriginLocation</a> <sup>c</sup>

### has product component<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/hasProductComponent">http://w3id.org/CEON/ontology/product/hasProductComponent</a>
<b>Description</b>	hasProductComponent intends to represent that a product can have other product components.
<b>Domain</b>	<a href="#">Product</a> <sup>c</sup>
<b>Range</b>	<a href="#">Product</a> <sup>c</sup>

### has product object component<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/hasProductObjectComponent">http://w3id.org/CEON/ontology/product/hasProductObjectComponent</a>
<b>Domain</b>	<a href="#">Item</a> <sup>c</sup>
<b>Range</b>	<a href="#">Item</a> <sup>c</sup>

### modelled by<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/modelledBy">http://w3id.org/CEON/ontology/product/modelledBy</a>
<b>Description</b>	modelledBy intends to represent that product objects follow particular product models.
<b>Domain</b>	<a href="#">Item</a> <sup>c</sup>
<b>Range</b>	<a href="#">Product</a> <sup>c</sup>

## Datatype Properties

### Composition quantity<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/compositionQuantity">http://w3id.org/CEON/ontology/product/compositionQuantity</a>
<b>Domain</b>	<a href="#">Composition</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:double</a>

## country of assembly<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/country0fAssembly">http://w3id.org/CEON/ontology/product/country0fAssembly</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/location/hasCountry">http://w3id.org/CEON/ontology/location/hasCountry</a>
<b>Domain</b>	<a href="#">AssemblyLocation</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:string</a>

## country of manufacture<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/country0fManufacture">http://w3id.org/CEON/ontology/product/country0fManufacture</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/location/hasCountry">http://w3id.org/CEON/ontology/location/hasCountry</a>
<b>Domain</b>	<a href="#">ManufactureLocation</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:string</a>

## country of origin<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/country0fOrigin">http://w3id.org/CEON/ontology/product/country0fOrigin</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/location/hasCountry">http://w3id.org/CEON/ontology/location/hasCountry</a>
<b>Domain</b>	<a href="#">OriginLocation</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:string</a>

## country of production<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/country0fProduction">http://w3id.org/CEON/ontology/product/country0fProduction</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/location/hasCountry">http://w3id.org/CEON/ontology/location/hasCountry</a>
<b>Domain</b>	<a href="#">ProductionLocation</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:string</a>

## has brand<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/hasBrand">http://w3id.org/CEON/ontology/product/hasBrand</a>
<b>Range</b>	<a href="#">xsd:string</a>

## has certificate<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/product/hasCertificate">http://w3id.org/CEON/ontology/product/hasCertificate</a>
<b>Domain</b>	<a href="#">Compliance</a> <sup>c</sup>

has global trade item number<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/ontology/product/hasGlobalTradeItemNumber>

**Range** [xsd:string](#)

has product name<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/ontology/product/hasProductName>

**Range** [xsd:string](#)

production site<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/ontology/product/productionSite>

**Domain** [ProductionLocation<sup>c</sup>](#)

**Range** [xsd:string](#)

## Annotation Properties

contributor<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/contributor>

created<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/created>

creator<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/creator>

description<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/description>

license<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/license>

title<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/title>

preferred namespace prefix <sup>ap</sup>	
IRI	<a href="http://purl.org/vocab/vann/preferredNamespacePrefix">http://purl.org/vocab/vann/preferredNamespacePrefix</a>
preferred namespace uri <sup>ap</sup>	
IRI	<a href="http://purl.org/vocab/vann/preferredNamespaceUri">http://purl.org/vocab/vann/preferredNamespaceUri</a>
covers requirements <sup>ap</sup>	
IRI	<a href="http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements">http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements</a>

## Namespaces

:	<a href="http://w3id.org/CEON/ontology/product/">http://w3id.org/CEON/ontology/product/</a>
actorODP	<a href="http://w3id.org/CEON/ontology/actorODP/">http://w3id.org/CEON/ontology/actorODP/</a>
dcterms	<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>
odp	<a href="http://www.ontologydesignpatterns.org/schemas/cannotationschema.owl#">http://www.ontologydesignpatterns.org/schemas/cannotationschema.owl#</a>
owl	<a href="http://www.w3.org/2002/07/owl#">http://www.w3.org/2002/07/owl#</a>
prov	<a href="http://www.w3.org/ns/prov#">http://www.w3.org/ns/prov#</a>
rdf	<a href="http://www.w3.org/1999/02/22-rdf-syntax-ns#">http://www.w3.org/1999/02/22-rdf-syntax-ns#</a>
rdfs	<a href="http://www.w3.org/2000/01/rdf-schema#">http://www.w3.org/2000/01/rdf-schema#</a>
resourceODP	<a href="http://w3id.org/CEON/ontology/resourceODP/">http://w3id.org/CEON/ontology/resourceODP/</a>
vann	<a href="http://purl.org/vocab/vann/">http://purl.org/vocab/vann/</a>
xsd	<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>

## Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties