

# Circular Economy Ontology Network (CEON) - Quantity Module

## Metadata

### IRI

<http://w3id.org/CEON/ontology/quantity/>

### Title

Circular Economy Ontology Network (CEON) - Quantity Module

### Creator

Huanyu Li

### License

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### Version Iri

<http://w3id.org/CEON/ontology/quantity/0.2/>

### Version Info

0.2

### Preferred Namespace Prefix

quantity

### Preferred Namespace Uri

<http://w3id.org/CEON/ontology/quantity/>

### Description

This module defines base properties to describe quantities with standardized units.

## Classes

### Quantity Interval<sup>c</sup>

#### IRI

<http://w3id.org/CEON/ontology/quantity/QuantityInterval>

#### In Domain Of

[hasMaximalValueIncludedOfInterval<sup>op</sup>](#)  
[hasMaximalValueNotIncludedOfInterval<sup>op</sup>](#)  
[hasMinimalValueIncludedOfInterval<sup>op</sup>](#)  
[hasMinimalValueNotIncludedOfInterval<sup>op</sup>](#)

## Object Properties

### has dismantling cost<sup>op</sup>

#### IRI

<http://w3id.org/CEON/ontology/quantity/hasDismantlingCost>

#### Sub Property Of

[qudt:quantityValue](#)

### has market value<sup>op</sup>

#### IRI

<http://w3id.org/CEON/ontology/quantity/hasMarketValue>

#### Sub Property Of

[qudt:quantityValue](#)

has maximal value included of interval<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/quantity/hasMaximalValueIncludedOfInterval">http://w3id.org/CE0N/ontology/quantity/hasMaximalValueIncludedOfInterval</a>
<b>Sub Property Of</b>	<a href="#">gudt:quantityValue</a>
<b>Domain</b>	<a href="#">QuantityInterval<sup>c</sup></a>
<b>Range</b>	<a href="#">gudt:QuantityValue</a>

has maximal value not included of interval<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/quantity/hasMaximalValueNotIncludedOfInterval">http://w3id.org/CE0N/ontology/quantity/hasMaximalValueNotIncludedOfInterval</a>
<b>Sub Property Of</b>	<a href="#">gudt:quantityValue</a>
<b>Domain</b>	<a href="#">QuantityInterval<sup>c</sup></a>
<b>Range</b>	<a href="#">gudt:QuantityValue</a>

has minimal value included of interval<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/quantity/hasMinimalValueIncludedOfInterval">http://w3id.org/CE0N/ontology/quantity/hasMinimalValueIncludedOfInterval</a>
<b>Sub Property Of</b>	<a href="#">gudt:quantityValue</a>
<b>Domain</b>	<a href="#">QuantityInterval<sup>c</sup></a>
<b>Range</b>	<a href="#">gudt:QuantityValue</a>

has minimal value not included of interval<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/quantity/hasMinimalValueNotIncludedOfInterval">http://w3id.org/CE0N/ontology/quantity/hasMinimalValueNotIncludedOfInterval</a>
<b>Sub Property Of</b>	<a href="#">gudt:quantityValue</a>
<b>Domain</b>	<a href="#">QuantityInterval<sup>c</sup></a>
<b>Range</b>	<a href="#">gudt:QuantityValue</a>

has refurbishment cost<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/quantity/hasRefurbishmentCost">http://w3id.org/CE0N/ontology/quantity/hasRefurbishmentCost</a>
<b>Sub Property Of</b>	<a href="#">gudt:quantityValue</a>

has testing cost<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/quantity/hasTestingCost">http://w3id.org/CE0N/ontology/quantity/hasTestingCost</a>
<b>Sub Property Of</b>	<a href="#">gudt:quantityValue</a>

has transport cost<sup>op</sup>

**IRI** <http://w3id.org/CE0N/ontology/quantity/hasTransportCost>

**Sub Property Of** [qudt:quantityValue](#)

object value<sup>op</sup>

**IRI** <http://w3id.org/CE0N/ontology/quantity/objectValue>

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

## Datatype Properties

numerical max value<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/ontology/quantity/numericalMaxValue>

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

numerical min value<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/ontology/quantity/numericalMinValue>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

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

## Annotation Properties

creator<sup>ap</sup>

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

description<sup>ap</sup>

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

title<sup>ap</sup>

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

preferred namespace prefix<sup>ap</sup>

**IRI** <http://purl.org/vocab/vann/preferredNamespacePrefix>

preferred namespace uri<sup>ap</sup>

**IRI** <http://purl.org/vocab/vann/preferredNamespaceUri>

## Namespaces

:

<http://w3id.org/CE0N/ontology/quantity/>

**dcterms**

<http://purl.org/dc/terms/>

**owl**

<http://www.w3.org/2002/07/owl#>

**prov**

<http://www.w3.org/ns/prov#>

**qudt**

<http://qudt.org/schema/qudt/>

**qudt-unit**

<http://qudt.org/vocab/unit/>

**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/>

**xsd**

<http://www.w3.org/2001/XMLSchema#>

## Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties