

Circular Economy Ontology Network (CEON) - Statement Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Statement Module

Publisher

Onto-DESIDE

Creator

Huanyu Li

Contributor

Eva Blomqvist

Date Created

2025-03-23

Date Issued

2025-06-30

License

<https://creativecommons.org/licenses/by/4.0/>

Version Iri

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

Version Info

0.2

Prior Version

0.1

Preferred Namespace Prefix

ceon-statement

Preferred Namespace Uri

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

Description

A module to represent statements of CEON resources.

Classes

Quantity Interval^C

IRI

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

In Range Of

[hasChemicalSubstanceThresholdUsedByManufacturer^{op}](#)
[hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{op}](#)
[hasMassFractionForDemounting^{op}](#)
[hasMassFractionForDisassembly^{op}](#)
[hasMassFractionOfAllDisclosedChemicalSubstance^{op}](#)
[hasMassFractionOfDismantableComponentsForReuseAndRecycle^{op}](#)
[hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{op}](#)
[hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass^{op}](#)
[hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{op}](#)
[hasMassFractionOfProductReleasedIntoEnvironment^{op}](#)
[hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{op}](#)
[hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{op}](#)
[hasMassFractionOfReusedPartsOutOfTheTotalProduct^{op}](#)
[hasPostConsumerRecycledMaterialCompositionThreshold^{op}](#)
[hasPreConsumerRecycledMaterialCompositionThreshold^{op}](#)
[hasQuantityInterval^{op}](#)
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{op}](#)
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{op}](#)

Named Individuals

[0ge-0leⁿⁱ](#)
[0gt-0.001leⁿⁱ](#)
[0gt-0.01leⁿⁱ](#)
[0gt-0.1leⁿⁱ](#)
[0gt-10leⁿⁱ](#)
[0.1ge-0.1leⁿⁱ](#)
[1geⁿⁱ](#)
[10gt-25leⁿⁱ](#)
[25gt-50leⁿⁱ](#)
[50gt-75leⁿⁱ](#)
[75gt-95leⁿⁱ](#)
[95gt-99leⁿⁱ](#)
[99gt-100leⁿⁱ](#)

Availability^C

IRI

<http://w3id.org/CE0N/ontology/statement/Availability>

In Range Of

[hasAvailability^{op}](#)

Named Individuals

[publicⁿⁱ](#)
[secrectAgreementⁿⁱ](#)

Demounting Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/DemountingStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasMassFractionForDemounting^{op}
Super Class Of	MFOfProductDesignedCleanlyRemovedFromFixedAssemblyAvailabilityStatement^C MFOfProductDesignedCleanlyRemovedFromFixedAssemblyStatement^C

Disassembly Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/DisassemblyStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasMassFractionForDisassembly^{op}
Super Class Of	MFOfProductDesignedCleanlyRemovedFromProductAssemblyAvailabilityStatement^C MFOfProductDesignedCleanlyRemovedFromProductAssemblyStatement^C

Disclosed Chemical Substance Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/DisclosedChemicalSubstanceStatement
Sub Class Of	ProductCompositionStatement^C hasChemicalSubstanceThresholdUsedByManufacturer^{op} value 1g^C or hasChemicalSubstanceThresholdUsedByManufacturer^{op} value 0gt-0.001le^C or hasChemicalSubstanceThresholdUsedByManufacturer^{op} value 0gt-0.1le^C or hasChemicalSubstanceThresholdUsedByManufacturer^{op} value 0gt-0.01le^C

Dismantling Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/DismantlingStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasMassFractionOfDismantableComponentsForReuseAndRecycle^{op}
Super Class Of	MFOfDismantableComponentForReuseRecycledAvailabilityStatement^C MFOfDismantableComponentForReuseRecycledStatement^C

Fraction Of Renewable Energy Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/FractionOfRenewableEnergyAvailabilityStatement>

Sub Class Of [RenewableEnergyStatement^C](#)

Fraction Of Renewable Energy Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/FractionOfRenewableEnergyStatement>

Sub Class Of [RenewableEnergyStatement^C](#)
[hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{OP}](#) value [95gt-99le^C](#) or
[hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{OP}](#) value [0gt-10le^C](#) or
[hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{OP}](#) value [10gt-25le^C](#) or
[hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{OP}](#) value [75gt-95le^C](#) or
[hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{OP}](#) value [50gt-75le^C](#) or
[hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{OP}](#) value [25gt-50le^C](#) or
[hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{OP}](#) value [0ge-0le^C](#) or
[hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{OP}](#) value [99gt-100le^C](#)

Hazardous Substance Declaration Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/HazardousSubstanceDeclarationAvailabilityStatement>

Sub Class Of [ProductCompositionStatement^C](#)

Hazardous Substance Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/HazardousSubstanceStatement>

Sub Class Of [ProductCompositionStatement^C](#)

Mf Of Dismantlable Component For Reuse Recycled Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MFOfDismantlableComponentForReuseRecycledAvailabilityStatement>

Sub Class Of [DismantlingStatement^C](#)

Mf Of Dismantlable Component For Reuse Recycled Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fDismantlableComponentForReuseRecycledStatement>

Sub Class Of

[DismantlingStatement^C](#)
[hasMassFractionOfDismantableComponentsForReuseAndRecycle^{Op}](#) value [50gt-75le^C](#) or
[hasMassFractionOfDismantableComponentsForReuseAndRecycle^{Op}](#) value [99gt-100le^C](#) or
[hasMassFractionOfDismantableComponentsForReuseAndRecycle^{Op}](#) value [95gt-99le^C](#) or
[hasMassFractionOfDismantableComponentsForReuseAndRecycle^{Op}](#) value [75gt-95le^C](#) or
[hasMassFractionOfDismantableComponentsForReuseAndRecycle^{Op}](#) value [10gt-25le^C](#) or
[hasMassFractionOfDismantableComponentsForReuseAndRecycle^{Op}](#) value [0gt-10le^C](#) or [hasMassFractionOfDismantableComponentsForReuseAndRecycle^{Op}](#) value [25gt-50le^C](#) or
[hasMassFractionOfDismantableComponentsForReuseAndRecycle^{Op}](#) value [0ge-0le^C](#)

Mf Of Post Consumer Recycled Material Content Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fPostConsumerRecycledMaterialContentAvailabilityStatement>

Sub Class Of

[RecycledMaterialStatement^C](#)

Mf Of Post Consumer Recycled Material Content Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fPostConsumerRecycledMaterialContentStatement>

Sub Class Of

[RecycledMaterialStatement^C](#)
[hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [10gt-25le^C](#) or
[hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [50gt-75le^C](#) or
[hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [0gt-10le^C](#) or
[hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [25gt-50le^C](#) or
[hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [95gt-99le^C](#) or
[hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [0ge-0le^C](#) or
[hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [75gt-95le^C](#) or
[hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [99gt-100le^C](#)

Mf Of Pre Consumer Recycled Material Content Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fPreConsumerRecycledMaterialContentAvailabilityStatement>

Sub Class Of

[RecycledMaterialStatement^C](#)

Mf Of Pre Consumer Recycled Material Content Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fPreConsumerRecycledMaterialContentStatement>

Sub Class Of

[RecycledMaterialStatement^C](#)
[hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass](#)
^{op} value [75gt-95le^C](#) *or*
[hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass](#)
^{op} value [25gt-50le^C](#) *or*
[hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass](#)
^{op} value [0gt-10le^C](#) *or*
[hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass](#)
^{op} value [10gt-25le^C](#) *or*
[hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass](#)
^{op} value [50gt-75le^C](#) *or*
[hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass](#)
^{op} value [99gt-100le^C](#) *or*
[hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass](#)
^{op} value [0ge-0le^C](#) *or*
[hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass](#)
^{op} value [95gt-99le^C](#)

Mf Of Product Designed Cleanly Removed From Fixed Assembly Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fProductDesignedCleanlyRemovedFromFixedAssemblyAvailabilityStatement>

Sub Class Of

[DemountingStatement^C](#)

Mf Of Product Designed Cleanly Removed From Fixed Assembly Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fProductDesignedCleanlyRemovedFromFixedAssemblyStatement>

Sub Class Of

[DemountingStatement^C](#)
[hasMassFractionForDemounting](#)^{op} value [50gt-75le^C](#) *or*
[hasMassFractionForDemounting](#)^{op} value [99gt-100le^C](#) *or*
[hasMassFractionForDemounting](#)^{op} value [0ge-0le^C](#) *or*
[hasMassFractionForDemounting](#)^{op} value [25gt-50le^C](#) *or*
[hasMassFractionForDemounting](#)^{op} value [75gt-95le^C](#) *or*
[hasMassFractionForDemounting](#)^{op} value [0gt-10le^C](#) *or*
[hasMassFractionForDemounting](#)^{op} value [95gt-99le^C](#) *or*
[hasMassFractionForDemounting](#)^{op} value [10gt-25le^C](#)

Mf Of Product Designed Cleanly Removed From Product Assembly Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fProductDesignedCleanlyRemovedFromProductAssemblyAvailabilityStatement>

Sub Class Of

[DisassemblyStatement^C](#)

Mf Of Product Designed Cleanly Removed From Product Assembly Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fProductDesignedCleanlyRemovedFromProductAssemblyStatement>

Sub Class Of

[DisassemblyStatement^C](#)
[hasMassFractionForDisassembly^{Op}](#) value [99gt-100le^C](#) or
[hasMassFractionForDisassembly^{Op}](#) value [10gt-25le^C](#) or
[hasMassFractionForDisassembly^{Op}](#) value [75gt-95le^C](#) or
[hasMassFractionForDisassembly^{Op}](#) value [25gt-50le^C](#) or
[hasMassFractionForDisassembly^{Op}](#) value [0ge-0le^C](#) or
[hasMassFractionForDisassembly^{Op}](#) value [0gt-10le^C](#) or
[hasMassFractionForDisassembly^{Op}](#) value [95gt-99le^C](#) or
[hasMassFractionForDisassembly^{Op}](#) value [50gt-75le^C](#)

Mf Of Product Recycling At Similar Level Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fProductRecyclingAtSimilarLevelAvailabilityStatement>

Sub Class Of

[RecyclingStatement^C](#)

Mf Of Product Recycling At Similar Level Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fProductRecyclingAtSimilarLevelStatement>

Sub Class Of

[RecyclingStatement^C](#)
[hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{Op}](#) value [75gt-95le^C](#) or [hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{Op}](#) value [95gt-99le^C](#) or
[hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{Op}](#) value [0ge-0le^C](#) or [hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{Op}](#) value [25gt-50le^C](#) or
[hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{Op}](#) value [0gt-10le^C](#) or [hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{Op}](#) value [10gt-25le^C](#) or
[hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{Op}](#) value [50gt-75le^C](#) or [hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{Op}](#) value [99gt-100le^C](#)

Mf Of Product Released To Environment Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fProductReleasedToEnvironmentAvailabilityStatement>

Sub Class Of

[ReleasedIntoEnvironmentStatement^C](#)

Mf Of Product Released To Environment Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fProductReleasedToEnvironmentStatement>

Sub Class Of

[ReleasedIntoEnvironmentStatement^C](#)

[hasMassFractionOfProductReleasedIntoEnvironment^{Op}](#) value [95gt-99le^C](#) or

[hasMassFractionOfProductReleasedIntoEnvironment^{Op}](#) value [0ge-0le^C](#) or

[hasMassFractionOfProductReleasedIntoEnvironment^{Op}](#) value [10gt-25le^C](#) or

[hasMassFractionOfProductReleasedIntoEnvironment^{Op}](#) value [0gt-10le^C](#) or

[hasMassFractionOfProductReleasedIntoEnvironment^{Op}](#) value [75gt-95le^C](#) or

[hasMassFractionOfProductReleasedIntoEnvironment^{Op}](#) value [25gt-50le^C](#) or

[hasMassFractionOfProductReleasedIntoEnvironment^{Op}](#) value [99gt-100le^C](#) or

[hasMassFractionOfProductReleasedIntoEnvironment^{Op}](#) value [50gt-75le^C](#)

Mf Of Recycled Material Content Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fRecycledMaterialContentAvailabilityStatement>

Sub Class Of

[RecycledMaterialStatement^C](#)

Mf Of Renewable Material Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fRenewableMaterialAvailabilityStatement>

Sub Class Of

[SustainablyProducedRenewableMaterialStatement^C](#)

Mf Of Reused Part Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MF0fReusedPartAvailabilityStatement>

Sub Class Of

[ReusedContentStatement^C](#)

Mass Fraction Of Disclosed Chemical Substance Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MassFractionOfDisclosedChemicalSubstanceStatement>

Sub Class Of

[ProductCompositionStatement^C](#)

[hasMassFractionOfAllDisclosedChemicalSubstance^{Op}](#) value [75gt-95le^C](#) or

[hasMassFractionOfAllDisclosedChemicalSubstance^{Op}](#) value [95gt-99le^C](#) or

[hasMassFractionOfAllDisclosedChemicalSubstance^{Op}](#) value [10gt-25le^C](#) or

[hasMassFractionOfAllDisclosedChemicalSubstance^{Op}](#) value [99gt-100le^C](#) or

[hasMassFractionOfAllDisclosedChemicalSubstance^{Op}](#) value [50gt-75le^C](#) or

[hasMassFractionOfAllDisclosedChemicalSubstance^{Op}](#) value [25gt-50le^C](#) or

[hasMassFractionOfAllDisclosedChemicalSubstance^{Op}](#) value [0ge-0le^C](#) or

[hasMassFractionOfAllDisclosedChemicalSubstance^{Op}](#) value [0gt-10le^C](#)

Mass Fraction Of Recycled Material Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MassFractionOfRecycledMaterialStatement>

Sub Class Of

[RecycledMaterialStatement^C](#)
[hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [25gt-50le^C](#) *or* [hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [75gt-95le^C](#) *or* [hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [95gt-99le^C](#) *or* [hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [99gt-100le^C](#) *or* [hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [50gt-75le^C](#) *or* [hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [0gt-10le^C](#) *or* [hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [0ge-0le^C](#) *or* [hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{Op}](#) value [10gt-25le^C](#)

Mass Fraction Of Renewable Material Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MassFractionOfRenewableMaterialStatement>

Sub Class Of

[SustainablyProducedRenewableMaterialStatement^C](#)
[hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{Op}](#) value [99gt-100le^C](#) *or* [hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{Op}](#) value [0ge-0le^C](#) *or* [hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{Op}](#) value [25gt-50le^C](#) *or* [hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{Op}](#) value [50gt-75le^C](#) *or* [hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{Op}](#) value [95gt-99le^C](#) *or* [hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{Op}](#) value [10gt-25le^C](#) *or* [hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{Op}](#) value [0gt-10le^C](#) *or* [hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{Op}](#) value [75gt-95le^C](#)

Mass Fraction Of Reused Part Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/MassFractionOfReusedPartStatement>

Sub Class Of

[ReusedContentStatement^C](#)
[hasMassFractionOfReusedPartsOutOfTheTotalProduct^{Op}](#) value [0gt-10le^C](#) *or* [hasMassFractionOfReusedPartsOutOfTheTotalProduct^{Op}](#) value [10gt-25le^C](#) *or* [hasMassFractionOfReusedPartsOutOfTheTotalProduct^{Op}](#) value [25gt-50le^C](#) *or* [hasMassFractionOfReusedPartsOutOfTheTotalProduct^{Op}](#) value [99gt-100le^C](#) *or* [hasMassFractionOfReusedPartsOutOfTheTotalProduct^{Op}](#) value [50gt-75le^C](#) *or* [hasMassFractionOfReusedPartsOutOfTheTotalProduct^{Op}](#) value [0ge-0le^C](#) *or* [hasMassFractionOfReusedPartsOutOfTheTotalProduct^{Op}](#) value [95gt-99le^C](#) *or* [hasMassFractionOfReusedPartsOutOfTheTotalProduct^{Op}](#) value [75gt-95le^C](#)

Pc Availability Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/PCAvailabilityStatement
Sub Class Of	ProductCompositionStatement^C

Pcds Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/PCDSStatement
Sub Class Of	Statement^C
Super Class Of	DemountingStatement^C DisassemblyStatement^C DismantlingStatement^C ProductCompositionStatement^C RecycledMaterialStatement^C RecyclingStatement^C ReleasedIntoEnvironmentStatement^C RenewableEnergyStatement^C ReusedContentStatement^C SustainablyProducedRenewableMaterialStatement^C WaterReuseOrRecirculationStatement^C

Post Consumer Recycled Material Composition Availability Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/PostConsumerRecycledMaterialCompositionAvailabilityStatement
Sub Class Of	RecycledMaterialStatement^C

Post Consumer Recycled Material Composition Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/PostConsumerRecycledMaterialCompositionStatement
Sub Class Of	RecycledMaterialStatement^C
Restriction	hasPostConsumerRecycledMaterialCompositionThreshold^{op} value PostConsumerRecycledMaterialCompositionStatement^C

Pre Consumer Recycled Material Composition Availability Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/PreConsumerRecycledMaterialCompositionAvailabilityStatement
Sub Class Of	RecycledMaterialStatement^C

Pre Consumer Recycled Material Composition Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/PreConsumerRecycledMaterialCompositionStatement
Sub Class Of	RecycledMaterialStatement^C
Restriction	hasPreConsumerRecycledMaterialCompositionThreshold^{op} value PreConsumerRecycledMaterialCompositionStatement^C

Product Composition Certification Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/ProductCompositionCertificationStatement
Sub Class Of	ProductCompositionStatement^C

Product Composition Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/ProductCompositionStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasChemicalSubstanceThresholdUsedByManufacturer^{op} hasMassFractionOfAllDisclosedChemicalSubstance^{op}
Super Class Of	DisclosedChemicalSubstanceStatement^C HazardousSubstanceDeclarationAvailabilityStatement^C HazardousSubstanceStatement^C MassFractionOfDisclosedChemicalSubstanceStatement^C PCAvailabilityStatement^C ProductCompositionCertificationStatement^C ProductCompositionValidationStatement^C

Product Composition Validation Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/ProductCompositionValidationStatement
Sub Class Of	ProductCompositionStatement^C

Recycled Material Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/RecycledMaterialStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{op} hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass^{op} hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{op} hasPostConsumerRecycledMaterialCompositionThreshold^{op} hasPreConsumerRecycledMaterialCompositionThreshold^{op}
Super Class Of	MFOfPostConsumerRecycledMaterialContentAvailabilityStatement^C MFOfPostConsumerRecycledMaterialContentStatement^C MFOfPreConsumerRecycledMaterialContentAvailabilityStatement^C MFOfPreConsumerRecycledMaterialContentStatement^C MFOfRecycledMaterialContentAvailabilityStatement^C MassFractionOfRecycledMaterialStatement^C PostConsumerRecycledMaterialCompositionAvailabilityStatement^C PostConsumerRecycledMaterialCompositionStatement^C PreConsumerRecycledMaterialCompositionAvailabilityStatement^C PreConsumerRecycledMaterialCompositionStatement^C

Recycling Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/RecyclingStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{op}
Super Class Of	MFOfProductRecyclingAtSimilarLevelAvailabilityStatement^C MFOfProductRecyclingAtSimilarLevelStatement^C

Released Into Environment Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/ReleasedIntoEnvironmentStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasMassFractionOfProductReleasedIntoEnvironment^{op}
Super Class Of	MFOfProductReleasedToEnvironmentAvailabilityStatement^C MFOfProductReleasedToEnvironmentStatement^C

Renewable Energy Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/RenewableEnergyStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{op}
Super Class Of	FractionOfRenewableEnergyAvailabilityStatement^C FractionOfRenewableEnergyStatement^C

Reused Content Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/ReusedContentStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasMassFractionOfReusedPartsOutOfTheTotalProduct^{op}
Super Class Of	MFOfReusedPartAvailabilityStatement^C MassFractionOfReusedPartStatement^C

Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/Statement
Sub Class Of	Entity^C
In Domain Of	statementAbout^{op} statementValue^{dp}
Super Class Of	PCDSStatement^C

Sustainably Produced Renewable Material Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/SustainablyProducedRenewableMaterialStatement
Sub Class Of	PCDSStatement^C
In Domain Of	hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{op}
Super Class Of	MFOfRenewableMaterialAvailabilityStatement^C MassFractionOfRenewableMaterialStatement^C

Vf Of Reduction Direct Water Availability Statement^C

IRI	http://w3id.org/CE0N/ontology/statement/VFOfReductionDirectWaterAvailabilityStatement
Sub Class Of	WaterReuseOrRecirculationStatement^C

Vf Of Reduction Direct Water Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/VF0fReductionDirectWaterStatement>

Sub Class Of

[WaterReuseOrRecirculationStatement^C](#)
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{Op}](#) value [25gt-50le^C](#) or
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{Op}](#) value [0ge-0le^C](#) or
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{Op}](#) value [0gt-10le^C](#) or
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{Op}](#) value [75gt-95le^C](#) or
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{Op}](#) value [95gt-99le^C](#) or
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{Op}](#) value [50gt-75le^C](#) or
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{Op}](#) value [10gt-25le^C](#) or
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{Op}](#) value [99gt-100le^C](#)

Vf Of Reused Recirculated Water Availability Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/VF0fReusedRecirculatedWaterAvailabilityStatement>

Sub Class Of

[WaterReuseOrRecirculationStatement^C](#)

Vf Of Reused Recirculated Water Statement^C

IRI <http://w3id.org/CE0N/ontology/statement/VF0fReusedRecirculatedWaterStatement>

Sub Class Of

[WaterReuseOrRecirculationStatement^C](#)
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{Op}](#) value [0gt-10le^C](#) or
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{Op}](#) value [75gt-95le^C](#) or
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{Op}](#) value [99gt-100le^C](#) or
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{Op}](#) value [50gt-75le^C](#) or
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{Op}](#) value [10gt-25le^C](#) or
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{Op}](#) value [95gt-99le^C](#) or
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{Op}](#) value [0ge-0le^C](#) or
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{Op}](#) value [25gt-50le^C](#)

Validation^c

IRI <http://w3id.org/CEON/ontology/statement/Validation>

In Range Of [hasValidation^{op}](#)

Named Individuals
[certifiedⁿⁱ](#)
[validatedByThirdPartyⁿⁱ](#)

Water Reuse Or Recirculation Statement^c

IRI <http://w3id.org/CEON/ontology/statement/WaterReuseOrRecirculationStatement>

Sub Class Of [PCDSStatement^c](#)

In Domain Of
[hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{op}](#)
[hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{op}](#)

Super Class Of
[VOfReductionDirectWaterAvailabilityStatement^c](#)
[VOfReductionDirectWaterStatement^c](#)
[VOfReusedRecirculatedWaterAvailabilityStatement^c](#)
[VOfReusedRecirculatedWaterStatement^c](#)

Entity^c

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

Super Class Of
[resourceODP:ResourceStatement^c](#)

Role^c

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

Super Class Of <http://w3id.org/CEON/ontology/actorODP/Role>

Object Properties

has availability^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasAvailability>

Range [Availability^c](#)

has chemical substance threshold used by manufacturer^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasChemicalSubstanceThresholdUsedByManufacturer>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [ProductCompositionStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has fraction of renewable energy out of the total production energy mix^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [RenewableEnergyStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction for demounting^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionForDemounting>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [DemountingStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction for disassembly^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionForDisassembly>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [DisassemblyStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction of all disclosed chemical substance^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionOfAllDisclosedChemicalSubstance>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [ProductCompositionStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction of dismantable components for reuse and recycle^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionOfDismantableComponentsForReuseAndRecycle>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [DismantlingStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction of post consumer recycled materials out of the total product mass^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [RecycledMaterialStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction of pre consumer recycled materials out of the total product mass^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [RecycledMaterialStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction of product designed for recycling to original input^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionOfProductDesignedForRecyclingToOriginalInput>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [RecyclingStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction of product released into environment^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionOfProductReleasedIntoEnvironment>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [ReleasedIntoEnvironmentStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction of recycled materials out of the total product mass^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [RecycledMaterialStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction of renewable materials out of the total product mass^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [SustainablyProducedRenewableMaterialStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has mass fraction of reused parts out of the total product^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasMassFractionOfReusedPartsOutOfTheTotalProduct>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [ReusedContentStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has post consumer recycled material composition threshold^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasPostConsumerRecycledMaterialCompositionThreshold>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [RecycledMaterialStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has pre consumer recycled material composition threshold^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasPreConsumerRecycledMaterialCompositionThreshold>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [RecycledMaterialStatement^c](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval^c>

has quantity interval^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasQuantityInterval>

Super Property Of

- [hasChemicalSubstanceThresholdUsedByManufacturer^{op}](#)
- [hasFractionOfRenewableEnergyOutOfTheTotalProductionEnergyMix^{op}](#)
- [hasMassFractionForDemounting^{op}](#)
- [hasMassFractionForDisassembly^{op}](#)
- [hasMassFractionOfAllDisclosedChemicalSubstance^{op}](#)
- [hasMassFractionOfDismantableComponentsForReuseAndRecycle^{op}](#)
- [hasMassFractionOfPostConsumerRecycledMaterialsOutOfTheTotalProductMass^{op}](#)
- [hasMassFractionOfPreConsumerRecycledMaterialsOutOfTheTotalProductMass^{op}](#)
- [hasMassFractionOfProductDesignedForRecyclingToOriginalInput^{op}](#)
- [hasMassFractionOfProductReleasedIntoEnvironment^{op}](#)
- [hasMassFractionOfRecycledMaterialsOutOfTheTotalProductMass^{op}](#)
- [hasMassFractionOfRenewableMaterialsOutOfTheTotalProductMass^{op}](#)
- [hasMassFractionOfReusedPartsOutOfTheTotalProduct^{op}](#)
- [hasPostConsumerRecycledMaterialCompositionThreshold^{op}](#)
- [hasPreConsumerRecycledMaterialCompositionThreshold^{op}](#)
- [hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction^{op}](#)
- [hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction^{op}](#)

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval>^c

has validation^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasValidation>

Range [Validation](#)^c

has volume fraction of reduction of direct water consumption used in production^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasVolumeFractionOfReductionOfDirectWaterConsumptionUsedInProduction>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [WaterReuseOrRecirculationStatement](#)^c

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval>^c

has volume fraction of reused or recirculated water used in production^{op}

IRI <http://w3id.org/CEON/ontology/statement/hasVolumeFractionOfReusedOrRecirculatedWaterUsedInProduction>

Sub Property Of [hasQuantityInterval^{op}](#)

Domain [WaterReuseOrRecirculationStatement](#)^c

Range <http://w3id.org/CEON/ontology/quantity#QuantityInterval>^c

statement about^{op}

IRI <http://w3id.org/CE0N/ontology/statement/statementAbout>

Domain [Statement](#)^c

Datatype Properties

available end date^{dp}

IRI <http://w3id.org/CE0N/ontology/statement/availableEndDate>

Range [xsd:date](#)

available start date^{dp}

IRI <http://w3id.org/CE0N/ontology/statement/availableStartDate>

Range [xsd:date](#)

is pcds statement true^{dp}

IRI <http://w3id.org/CE0N/ontology/statement/isPCDSStatementTrue>

Range [xsd:boolean](#)

statement value^{dp}

IRI <http://w3id.org/CE0N/ontology/statement/statementValue>

Domain [Statement](#)^c

Annotation Properties

issued^{ap}

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

publisher^{ap}

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

has unit^{ap}

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

numeric value ^{ap}	
IRI	http://qudt.org/schema/qudt/numericValue
has maximal value included of interval ^{ap}	
IRI	http://w3id.org/CE0N/ontology/quantity#hasMaximalValueIncludedOfInterval
has minimal value included of interval ^{ap}	
IRI	http://w3id.org/CE0N/ontology/quantity#hasMinimalValueIncludedOfInterval
has minimal value not included of interval ^{ap}	
IRI	http://w3id.org/CE0N/ontology/quantity#hasMinimalValueNotIncludedOfInterval
Pcd Smapping ^{ap}	
IRI	http://w3id.org/CE0N/ontology/statement/PCDSmapping

Namespaces

:	http://w3id.org/CE0N/ontology/statement/
dcterms	http://purl.org/dc/terms/
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/CE0N/ontology/resourceODP/
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