#### NEN3610ID VersionMetadata AeriusCalculatorMetadata namespace: CharacterString aeriusVersion: CharacterString project: ProjectMetadata localId: CharacterString databaseVersion: CharacterString situation: SituationMetadata [0..1] versionId: CharacterString [0..1] calculation: CalculationMetadata [0..1] version: VersionMetadata [0..1] «dataType» «dataType» **ProjectMetadata** SituationMetadata «union» name: CharacterString [0..1] year: Integer EmissionSourceGeometry temporaryPeriod: Integer [0..1] reference: CharacterString [0..1] GM\_Point: GM\_Point permitCalculationRadiusType: CharacterString [0..1] situationType: SituationType GM Curve: GM Curve name: CharacterString [0..1] nettingFactor: Real [0..1] GM\_Surface: GM\_Surface corporation: CharacterString [0..1] facilityLocation: Address [0..1] «dataType» description: CharacterString [0..1] CalculationMetadata «union» BuildingGeometry type: CalculationType [0..1] method: CharacterString [0..1] «dataType» GM\_Point: GM\_Point Address jobType: CharacterString [0..1] GM\_Surface: GM\_Surface substance: Substance [1..\*] streetAddress: CharacterString resultType: ResultType [1..\*] postcode: CharacterString maximumRange: Real [0..1] city: CharacterString researchArea: Boolean [0..1] «dataType» monitorSrm2Year: Integer [0..1] CalculationOption option: CalculationOption [0..\*] otherSituation: OtherSituationMetadata [0..\*] key: CharacterString value: CharacterString «dataType» OtherSituationMetadata «dataType» CalculatedHeatContent situationType: SituationType name: CharacterString «dataType» emissionTemperature: Real [0..1] «dataType» reference: CharacterString SpecifiedHeatContent outflowDiameter: Real **HeatContent** outflowVelocity: Real value: Real outflowDirection: OutflowDirectionType outflowVelocityType: OutflowVelocityType «dataType» «dataType» «dataType» ReferenceDiurnalVariation StandardDiurnalVariation DiurnalVariation standardType: CharacterString +connection 0..3 +customDiurnalVariation «dataType» Definitions «type» CustomDiurnalVariation customDiurnalVariation: CustomDiurnalVariation [0..\*] label: CharacterString [0..1] customType: CharacterString value: Real [1..\*] «dataType» «dataType» «dataType» SourceCharacteristicsType **EmissionSourceCharacteristics ADMSSourceCharacteristics** heatContent: HeatContent height: Real emissionHeight: Real specificHeatCapacity: Real spread: Real [0..1] sourceType: ADMSSourceType +connection diurnalVariation: DiurnalVariation [0..1] diameter: Real [0..1] elevationAngle: Real [0..1] +building horizontalAngle: Real [0..1] width: Real [0..1] GeoObiect verticalDimension: Real [0..1] «featureType» buoyancyType: ADMSBuoyancyType Building density: Real [0..1] temperature: Real [0..1] label: CharacterString [0..1] effluxType: ADMSEffluxType height: Real verticalVelocity: Real [0..1] geometry: BuildingGeometry volumetricFlowRate: Real [0..1] diameter: Real [0..1] diurnalVariation: DiurnalVariation [0..1] «identificatie» identifier: NEN3610ID

«dataType»

«dataType»

«dataType»

«enumeration» **Substance** 

NOX NO2 PM10 PM25 EC

NH3

«enumeration»
TimeUnit

HOUR DAY MONTH YEAR «enumeration»
ResultType

DEPOSITION
CONCENTRATION
EXCEEDANCE\_DAYS
EXCEEDANCE\_HOURS

«enumeration» CalculationType

PERMIT
NATURE\_AREA
RADIUS
CUSTOM\_POINTS

«enumeration»
RoadSideBarrierType

«enumeration»

OutflowDirectionType

SCREEN WALL «enumeration» RoadElevation

NORMAL NORMAL\_DYKE STEEP\_DYKE VIADUCT TUNNEL «enumeration»
MaritimeShippingMovementType

INLAND MARITIME

«enumeration»
RejectionGrounds

NONE
COMPLIANCE\_CRITERION
EXPOSURE\_CRITERION
OTHER

«enumeration»

MonitorSubstance

VERTICAL HORIZONTAL

NONE PM10\_ONLY ALL «enumeration»
WaterwayDirectionType

IRRELEVANT UPSTREAM DOWNSTREAM «enumeration»
InlandRouteDirectionType

ARRIVE DEPART

«enumeration»

TreeProfile

NONE\_OR\_FEW SEPARATED PACKED «enumeration» RoadProfile

WIDE\_STREET\_CANYON NARROW\_STREET\_CANYON ONE\_SIDE\_BUILDINGS OTHER «enumeration» RoadManager

MUNICIPALITY
PROVINCE
STATE
WATER\_AUTHORITY
PRIVATE

«enumeration»
SituationType

REFERENCE PROPOSED TEMPORARY NETTING COMBINATION\_REFERENCE COMBINATION\_PROPOSED «enumeration»
TrafficDirection

BOTH A\_TO\_B B\_TO\_A «enumeration»

OutflowVelocityType

ACTUAL\_FLOW NORMALISED FLOW

«enumeration»

ADMSSourceType

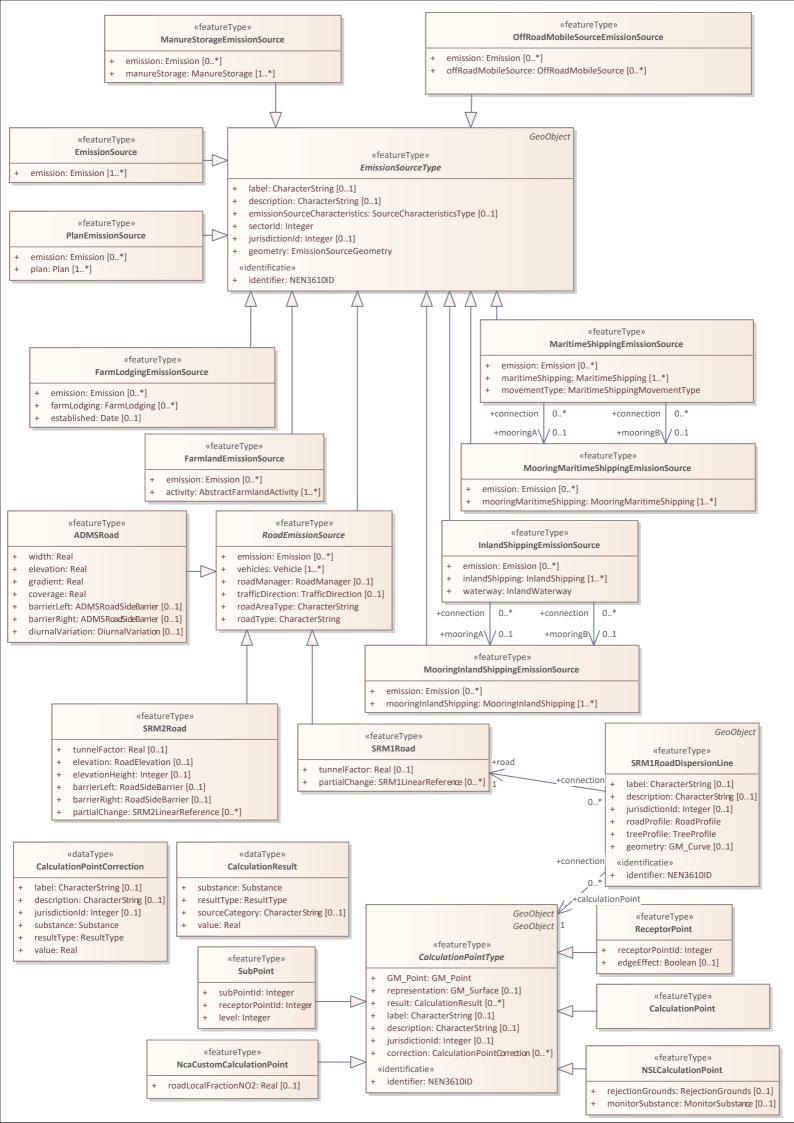
POINT AREA VOLUME LINE ROAD JET «enumeration»

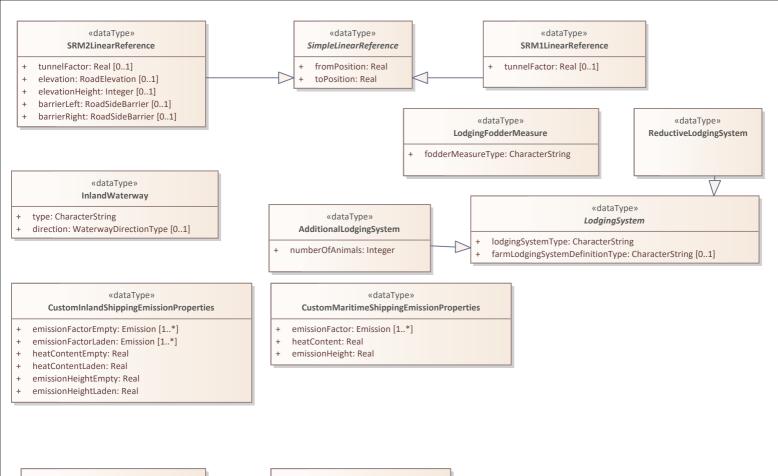
ADMSBuoyancyType

AMBIENT DENSITY TEMPERATURE «enumeration» ADMSEffluxType

VELOCITY VOLUME MASS «enumeration»
ADMSRoadSideBarrierType

NOISE\_BARRIER
BRICK\_WALL
STREET\_CANYON\_TERRACED\_HOUSES
STREET\_CANYON\_SEMIDETACHED\_HOUSES
STREET\_CANYON\_DETACHED\_HOUSES
TREE\_BARRIER\_OPEN
TREE\_BARRIER\_DENSE
OTHER



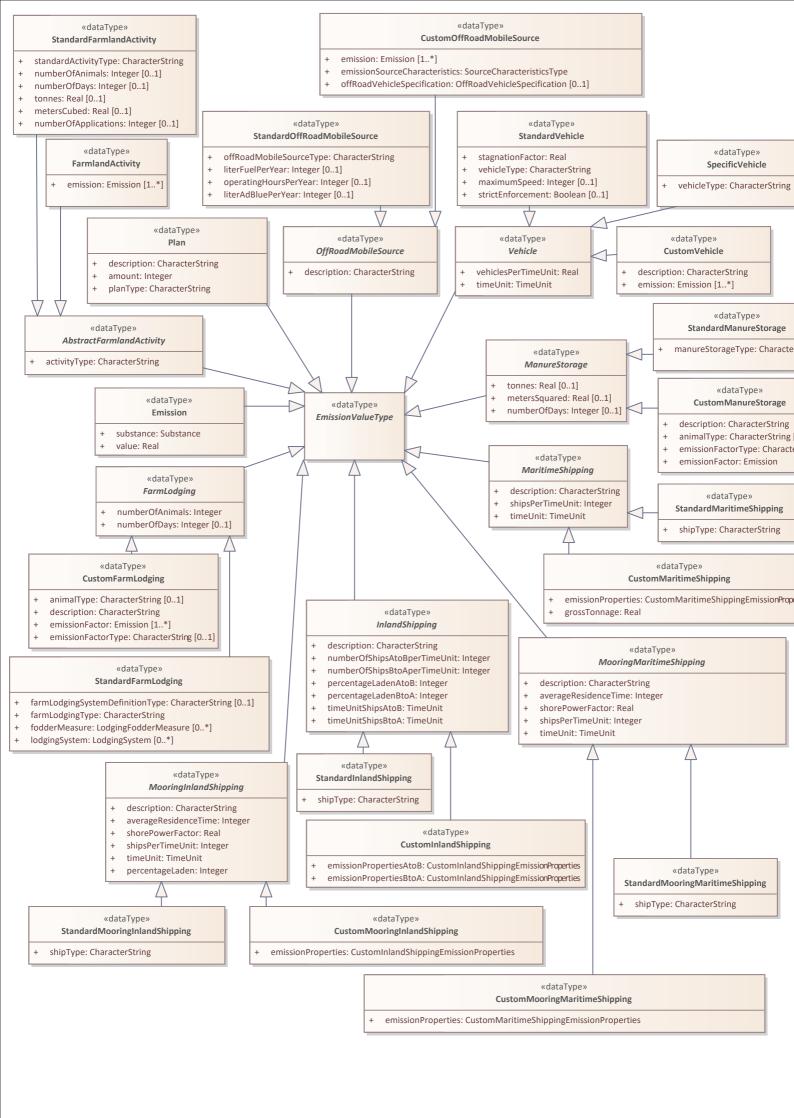


#### «dataType» RoadSideBarrier

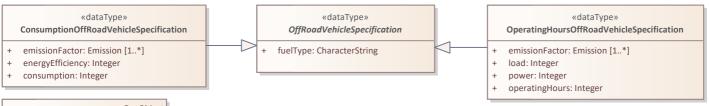
- barrierType: RoadSideBarrierType
- height: Real
- distance: Real

#### «dataType» ADMSRoadSideBarrier

- barrierType: ADMSRoadSideBarrierType
- distance: Real
- averageHeight: Real
- maximumHeight: Real
- minimumHeight: Real
- porosity: Real



String 0..1] erString erties



### GeoObject

#### «featureType»

#### SRM1RoadMeasureArea

- + label: CharacterString [0..1]
- + description: CharacterString [0..1]
- + jurisdictionId: Integer [0..1]
- + measure: SRM1RoadMeasure [1..\*]
- + geometry: GM\_Surface

#### «identificatie»

+ identifier: NEN3610ID

## «dataType»

#### SRM1RoadMeasure

- + vehicleType: CharacterString
- + roadType: CharacterString
- reduction: EmissionReduction [1..\*]

# «dataType» EmissionReduction

- + substance: Substance
- + factor: Real