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] description: CharacterString [0..1] «dataType» «union» CalculationMetadata BuildingGeometry type: CalculationType «dataType» GM_Point: GM_Point substance: Substance [1..*] Address GM_Surface: GM_Surface resultType: ResultType [1..*] maximumRange: Real [0..1] streetAddress: CharacterString researchArea: Boolean [0..1] postcode: CharacterString monitorSrm2Year: Integer [0..1] city: CharacterString option: CalculationOption [0..*] «dataType» otherSituation: OtherSituationMetadata [0..*] CalculationOption key: CharacterString value: CharacterString «dataType» OtherSituationMetadata «dataType» situationType: SituationType CalculatedHeatContent name: CharacterString reference: CharacterString «dataType» emissionTemperature: Real [0..1] «dataType» 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 0..* 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

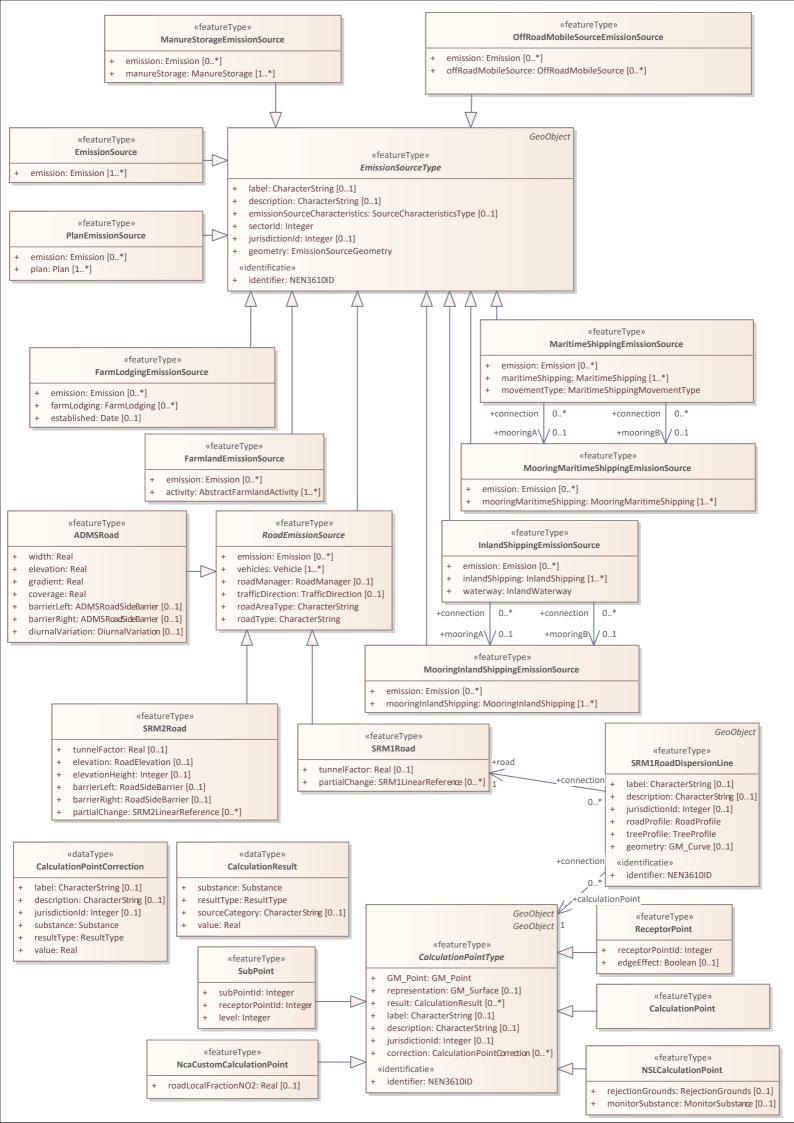
POINT AREA VOLUME LINE ROAD JET «enumeration»

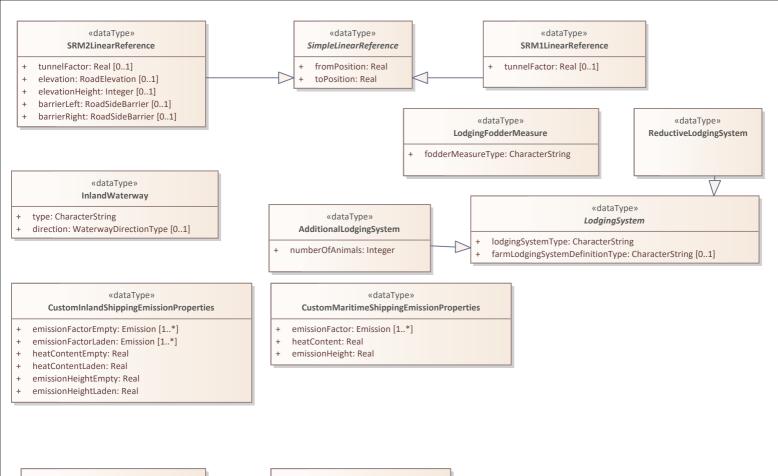
ADMSBuoyancyType

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



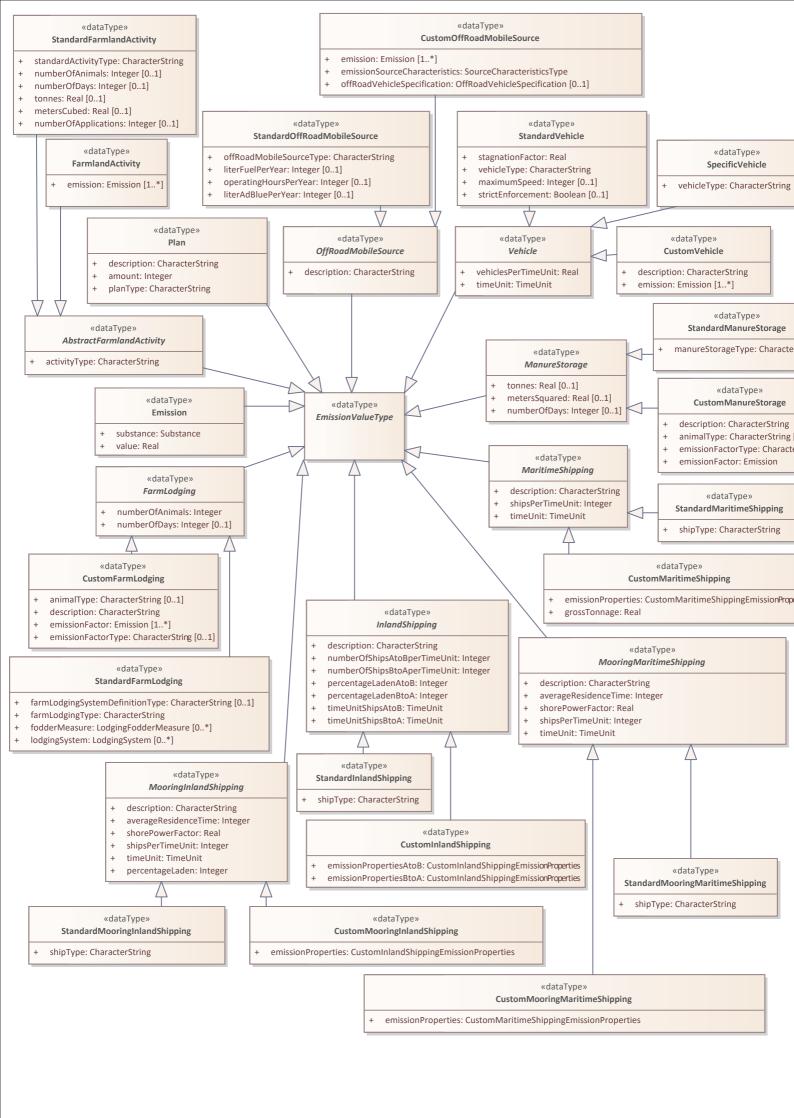


«dataType» RoadSideBarrier

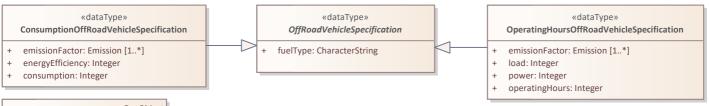
- barrierType: RoadSideBarrierType
- height: Real
- distance: Real

«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