«dataType» «dataType» «dataType» NEN3610ID VersionMetadata AeriusCalculatorMetadata namespace: CharacterString aeriusVersion: CharacterString project: ProjectMetadata databaseVersion: CharacterString situation: SituationMetadata [0..1] localId: CharacterString versionId: CharacterString [0..1] calculation: CalculationMetadata [0..1] version: VersionMetadata [0..1] gmlCreator: CharacterString [0..1] archive: ArchiveMetadata [0..1] «dataType» ProjectMetadata «dataType» «union» SituationMetadata year: Integer EmissionSourceGeometry name: CharacterString [0..1] name: CharacterString [0..1] GM_Point: GM_Point corporation: CharacterString [0..1] reference: CharacterString [0..1] GM Curve: GM Curve facilityLocation: Address [0..1] situationType: SituationType GM_Surface: GM_Surface description: CharacterString [0..1] nettingFactor: Real [0..1] «union» «dataType» BuildingGeometry CalculationMetadata «dataType» GM Point: GM Point method: CharacterString [0..1] Address GM_Surface: GM_Surface jobType: CharacterString [0..1] substance: Substance [1..*] streetAddress: CharacterString resultType: ResultType [1..*] postcode: CharacterString maximumRange: Real [0..1] city: CharacterString option: CalculationOption [0..*] «dataType» otherSituation: OtherSituationMetadata [0..*] CalculationOption key: CharacterString value: CharacterString «dataType» «dataType» OtherSituationMetadata CalculatedHeatContent situationType: SituationType «dataType» emissionTemperature: Real [0..1] «dataType» name: CharacterString SpecifiedHeatContent outflowDiameter: Real **HeatContent** reference: CharacterString outflowVelocity: Real value: Real outflowDirection: OutflowDirectionType outflowVelocityType: OutflowVelocityType «dataType» «dataType» «dataType» «dataType» EntityReference StandardTimeVaryingProfile **TimeVaryingProfile** ReferenceTimeVaryingProfile entityType: CharacterString standardType: CharacterString code: CharacterString [0..1] description: CharacterString [0..1] criticalLevel: CriticalLevel [0..*] +connection 0..3 +customTimeVaryingProfile «dataType» Definitions «type» «dataType» CustomTimeVaryingProfile CriticalLevel customTimeVaryingProfile: CustomTimeVaryingProfile [0..*] label: CharacterString [0..1] substance: Substance customType: CharacterString resultType: ResultType value: Real [1..*] value: Real «dataType» «dataType» «dataType» **EmissionSourceCharacteristics** SourceCharacteristicsType **ADMSSourceCharacteristics** heatContent: HeatContent height: Real emissionHeight: Real specificHeatCapacity: Real spread: Real [0..1] sourceType: ADMSSourceType +connection 0..3 timeVaryingProfile: TimeVaryingProfile [0..1] diameter: Real [0..1] elevationAngle: Real [0..1] +building 0..1 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] hourlyVariation: TimeVaryingProfile [0..1] «identificatie» monthlyVariation: TimeVaryingProfile [0..1] identifier: NEN3610ID

«enumeration» **Substance**

NH3 NOX NO2 PM10 PM25 EC

NOXNH3

«enumeration»
TimeUnit

HOUR DAY MONTH YEAR «enumeration»
ResultType

DEPOSITION
CONCENTRATION
EXCEEDANCE_DAYS
EXCEEDANCE_HOURS

«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 OFF_SITE_REDUCTION COMBINATION_REFERENCE COMBINATION_PROPOSED «enumeration»
TrafficDirection

BOTH A_TO_B B_TO_A «enumeration»

OutflowVelocityType

ACTUAL_FLOW NORMALISED_FLOW

«enumeration»

ADMSSourceType

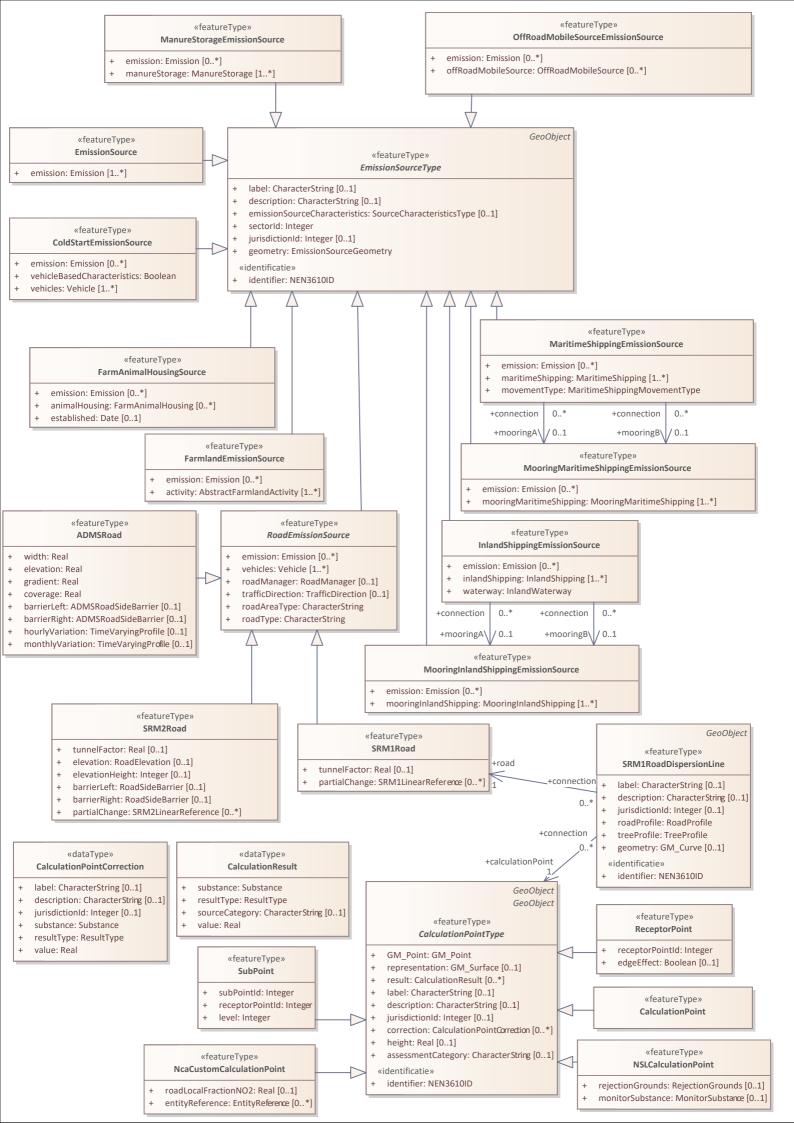
POINT AREA VOLUME LINE ROAD JET «enumeration»

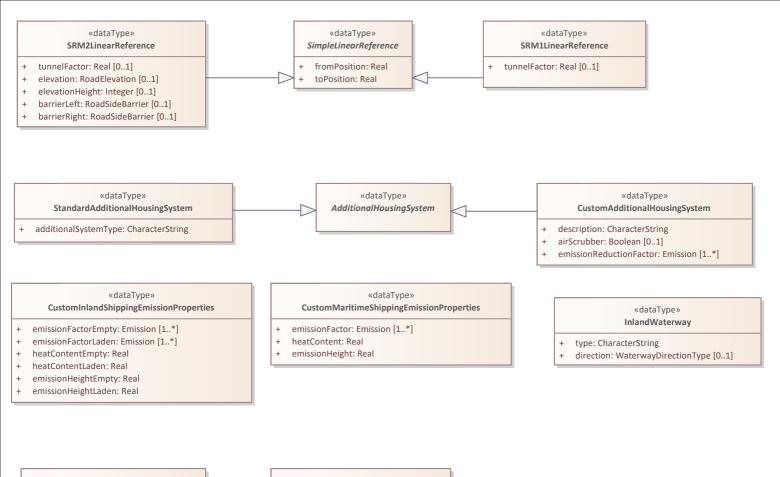
ADMSBuoyancyType

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



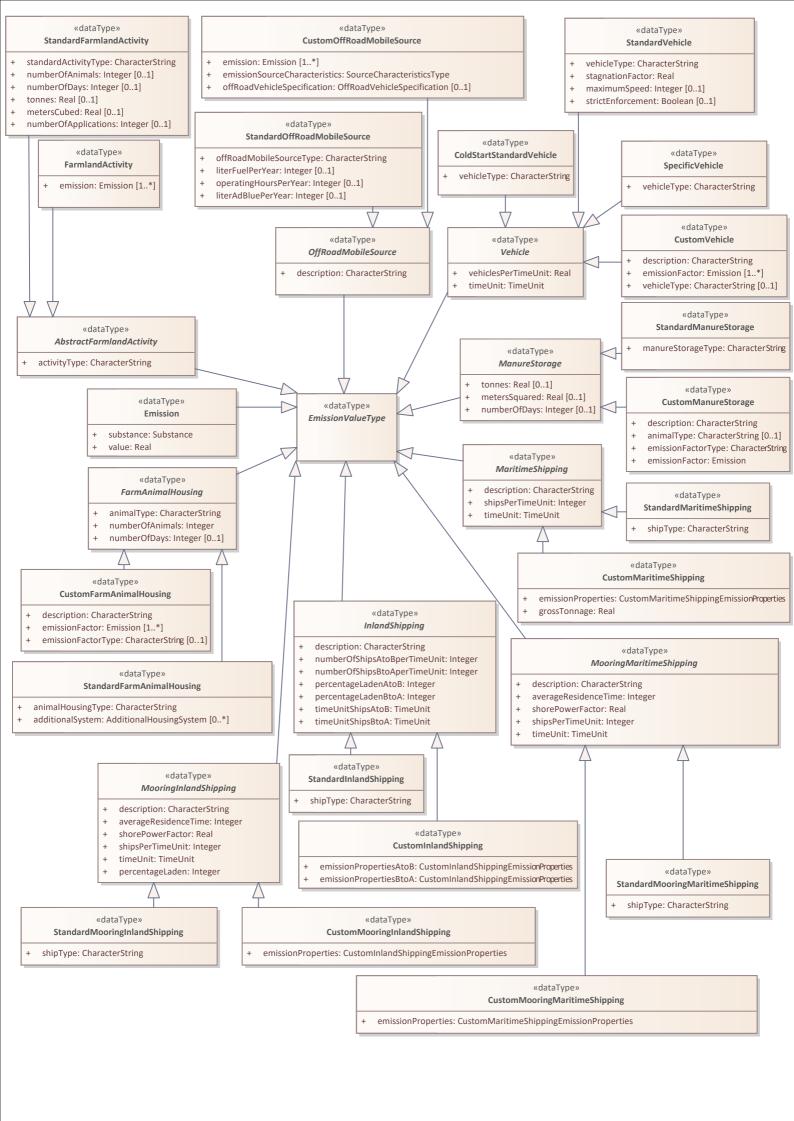


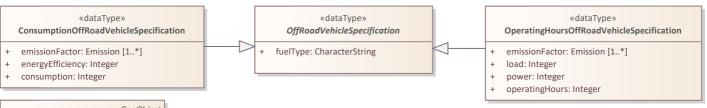
«dataType» RoadSideBarrier

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

«dataType» ADMSRoadSideBarrier

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





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

«dataType» ArchiveMetadata

- + retrievalDateTime: DateTime
- + project: ArchiveProject [0..*]

«dataType» ArchiveProject

- + id: CharacterString
- + name: CharacterString
- + aeriusVersion: CharacterString
- + projectType: CharacterString [0..1]
- + permitReference: CharacterString [0..1]
- + planningReference: CharacterString [0..1]
- + netEmission: Emission [0..*]
- + centroid: GM_Point [0..1]