«union» **EmissionSourceGeometry**

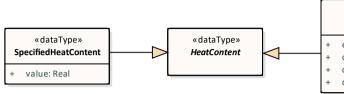
- GM Point: GM Point
- GM_Curve: GM_Curve GM_Surface: GM_Surface

«dataType» NEN3610ID

- namespace: CharacterString
- localld: CharacterString
- versionId: CharacterString [0..1]

«dataType» **EmissionSourceCharacteristics**

- heatContent: HeatContent
- emissionHeight: Real
- spread: Real [0..1]
- diurnalVariation: CharacterString [0..1]
- building: Building [0..1]



«dataType» CalculatedHeatContent

- emissionTemperature: Real
- outflowVelocity: Real
- outflowDirection: OutflowDirectionType

«dataType» Building

- height: Real
- width: Real
- length: Real
- orientation: Real [0..1]

«dataType» AeriusCalculatorMetadata

- project: ProjectMetadata
- situation: SituationMetadata [0..1]
- calculation: CalculationMetadata [0..1]
- version: VersionMetadata [0..1]

«dataType» VersionMetadata

- aeriusVersion: CharacterString
- databaseVersion: CharacterString

«dataType» SituationMetadata

- name: CharacterString [0..1]
- reference: CharacterString [0..1]

«dataType» CalculationMetadata

- type: CalculationType
- substance: Substance [1..*]
- resultType: ResultType [1..*]
- maximumRange: Real [0..1]
- researchArea: Boolean [0..1]
- monitorSrm2Year: Integer [0..1]

«dataType» **ProjectMetadata**

- year: Integer
- temporaryPeriod: Integer [0..1]
- permitCalculationRadiusType: CharacterString [0..1]
- name: CharacterString [0..1]
- corporation: CharacterString [0..1]
- facilityLocation: Address [0..1]
- description: CharacterString [0..1]

«dataType» Address

- streetAddress: CharacterString
- postcode: CharacterString
- city: CharacterString

«enumeration» Substance

NH3 NOX NO₂

PM10 PM25 EC

«enumeration» **TimeUnit**

HOUR

DAY MONTH YEAR

«enumeration»

RoadSideBarrierType

SCREEN

WALL

«enumeration»

«enumeration»

CalculationType

PERMIT NATURE AREA **RADIUS**

CUSTOM POINTS

«enumeration» StandardVehicleType

LIGHT_TRAFFIC NORMAL FREIGHT HEAVY FREIGHT AUTO_BUS

«enumeration»

RejectionGrounds

COMPLIANCE CRITERION

EXPOSURE_CRITERION

«enumeration»

HORIZONTAL

OutflowDirectionType VERTICAL

«enumeration» **MonitorSubstance**

NONE

PM10 ONLY ALL

«enumeration» SpeedProfile

URBAN_TRAFFIC_STAGNATING URBAN_TRAFFIC_NORMAL URBAN_TRAFFIC_FREE_FLOW

ResultType

DEPOSITION CONCENTRATION EXCEEDANCE DAYS **EXCEEDANCE HOURS**

«enumeration»

RoadElevation

NORMAL NORMAL DYKE STEEP DYKE VIADUCT TUNNEL

«enumeration»

WaterwayDirectionType

IRRELEVANT UPSTREAM **DOWNSTREAM**

«enumeration» RoadProfile

WIDE_STREET_CANYON NARROW_STREET_CANYON ONE_SIDE_BUILDINGS OTHER

«enumeration»

MaritimeShippingMovementType

INLAND MARITIME

«enumeration» InlandRouteDirectionType

DEPART

«enumeration» RoadManager

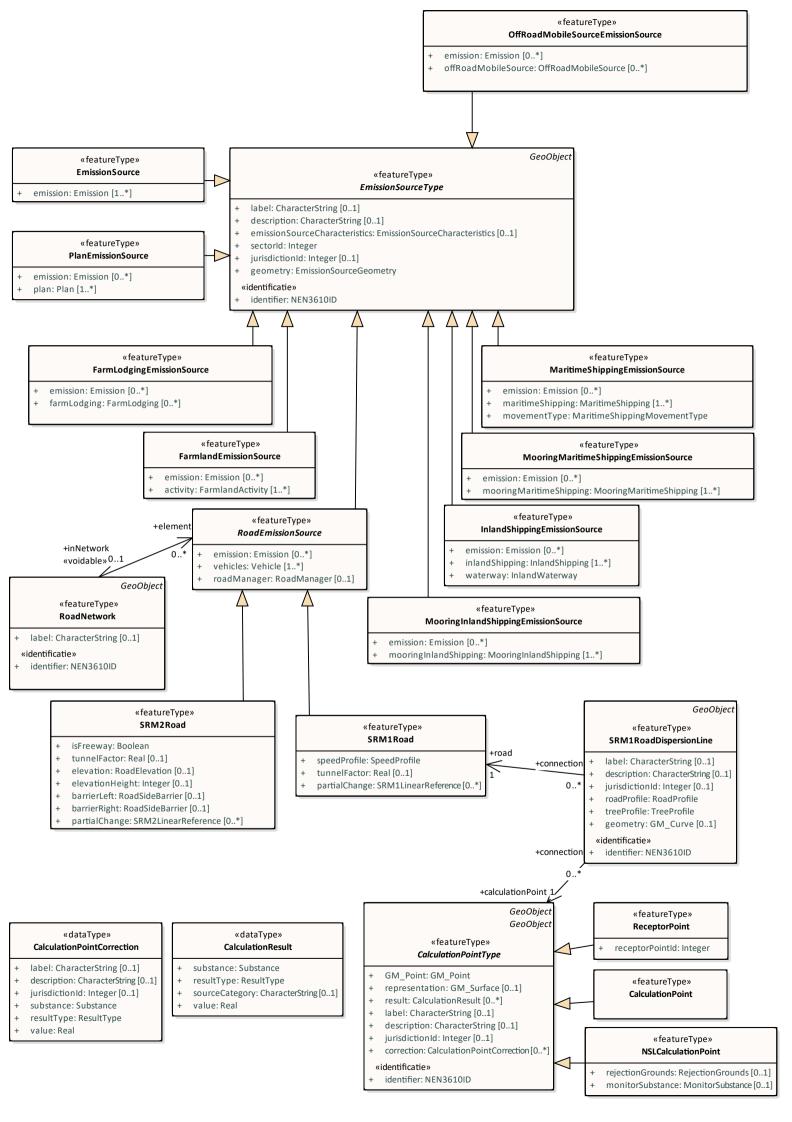
MUNICIPALITY **PROVINCE** STATE WATER_AUTHORITY PRIVATE

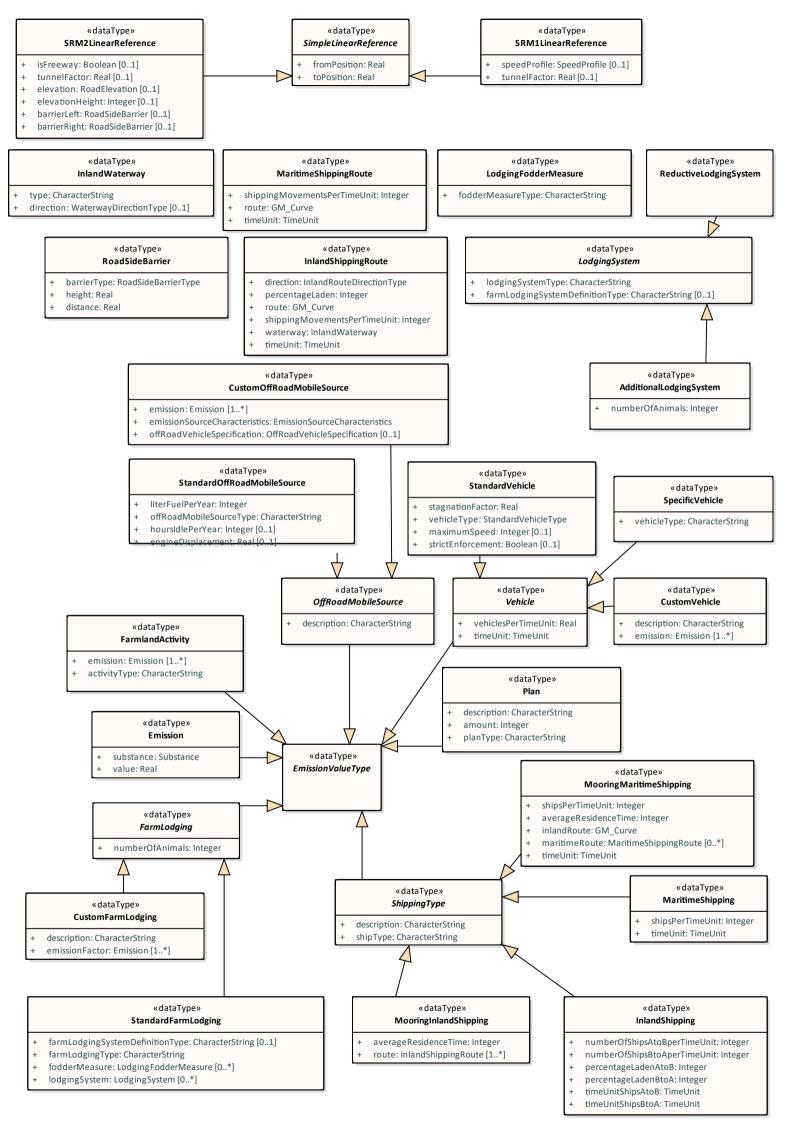
«enumeration» TreeProfile

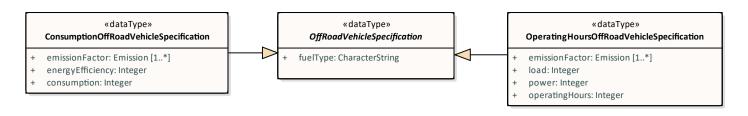
OTHER

NONE_OR_FEW SEPARATED PACKED

NON_URBAN_TRAFFIC







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: StandardVehicleType
- + speedProfile: SpeedProfile
- + reduction: EmissionReduction [1..*]

«dataType» EmissionReduction

- + substance: Substance
- + factor: Real