

createLookupTables()

createEmissionHandler()

WarmEmissionHandler

personId

roadType
linkLength
freeVelocity
travelTime
vehicleInformation

ColdEmissionHandler

personId
linkId
parkingDuration
startEngineTime
accumulatedDistance
vehicleInformation

Lookup Tables

roadTypeMapping
emissionVehicles
avgHbefaWarmTable
avgHbefaColdTable
detailedHbefaWarmTable
detailedHbefaColdTable

Warm Emission Analysis Module

checkVehicleInfoAnd
CalculateWarmEmissions()
throwWarmEmissionEvent()

ColdEmissionAnalysisModule

calculateColdEmissions
AndThrowEvent()

EventsManager

processEvent()

WarmEmissionEvent

ColdEmissionEvent