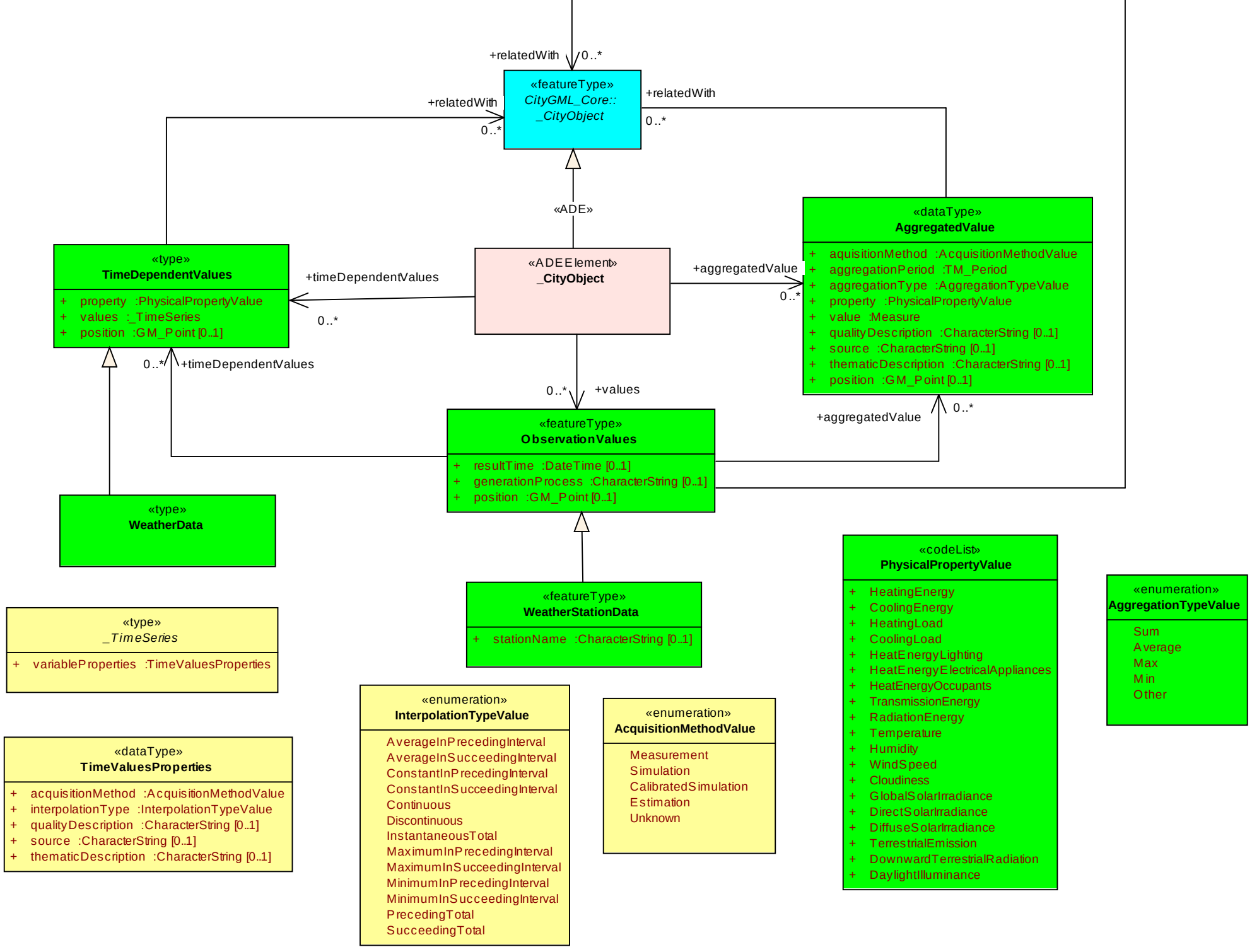
+relatedWith
0..*
«featureType»
CityGML_Core::
_CityObject
+relatedWith
0..*
+relatedWith
0..*
«ADE»
«type»
TimeDependentValues
+ property :PhysicalPropertyValue
+ values :_TimeSeries
+ position :GM_Point [0..1]
+timeDependentValues
0..*
«ADEElement»
_CityObject
+aggregatedValue
0..*
«dataType»
AggregatedValue
+ aquisitionMethod :AcquisitionMethodValue
+ aggregationPeriod :TM_Period
+ aggregationType :AggregationTypeValue
+ property :PhysicalPropertyValue
+ value :Measure
+ qualityDescription :CharacterString [0..1]
+ source :CharacterString [0..1]
+ thematicDescription :CharacterString [0..1]
+ position :GM_Point [0..1]
0..*
+timeDependentValues
0..*
+values
+aggregatedValue
0..*
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ObservationValues
+ resultTime :DateTime [0..1]
+ generationProcess :CharacterString [0..1]
+ position :GM_Point [0..1]
«type»
WeatherData
«featureType»
WeatherStationData
+ stationName :CharacterString [0..1]
«codeList»
PhysicalPropertyValue
+ HeatingEnergy
+ CoolingEnergy
+ HeatingLoad
+ CoolingLoad
+ HeatEnergyLighting
+ HeatEnergyElectricalAppliances
+ HeatEnergyOccupants
+ TransmissionEnergy
+ RadiationEnergy
+ Temperature
+ Humidity
+ WindSpeed
+ Cloudiness
+ GlobalSolarIrradiance
+ DirectSolarIrradiance
+ DiffuseSolarIrradiance
+ TerrestrialEmission
+ DownwardTerrestrialRadiation
+ DaylightIlluminance
«enumeration»
AggregationTypeValue
Sum
Average
Max
Min
Other
«type»
_TimeSeries
+ variableProperties :TimeValuesProperties
«dataType»
TimeValuesProperties
+ acquisitionMethod :AcquisitionMethodValue
+ interpolationType :InterpolationTypeValue
+ qualityDescription :CharacterString [0..1]
+ source :CharacterString [0..1]
+ thematicDescription :CharacterString [0..1]
«enumeration»
InterpolationTypeValue
AverageInPrecedingInterval
AverageInSucceedingInterval
ConstantInPrecedingInterval
ConstantInSucceedingInterval
Continuous
Discontinuous
InstantaneousTotal
MaximumInPrecedingInterval
MaximumInSucceedingInterval
MinimumInPrecedingInterval
MinimumInSucceedingInterval
PrecedingTotal
SucceedingTotal
«enumeration»
AcquisitionMethodValue
Measurement
Simulation
CalibratedSimulation
Estimation
Unknown