Sensei Observation and Measurement Ontology

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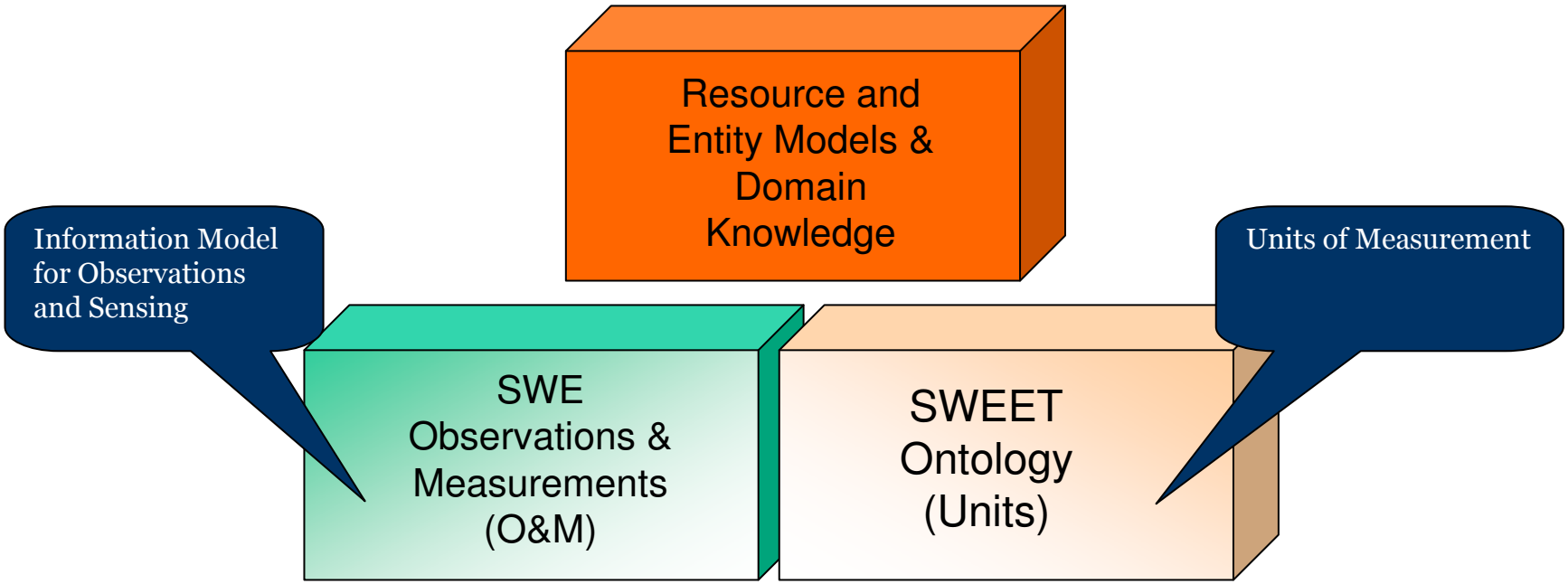
Observation and Measurement Ontology

- Based on SWE Observation & Measurement
- NASA's Sweet ontology



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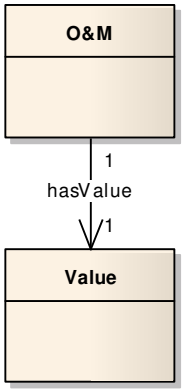
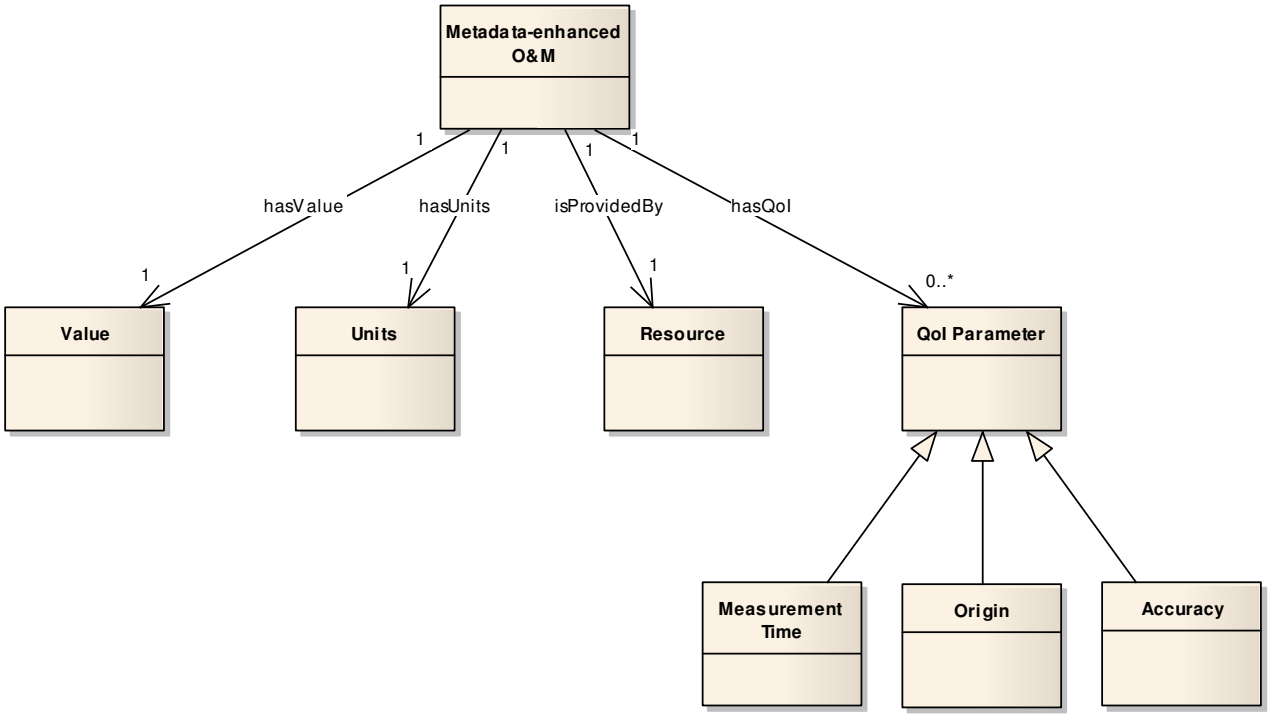
SENSEI Information Model

- Observation and Measurement



- **Metadata-enhanced Observation and Measurement**



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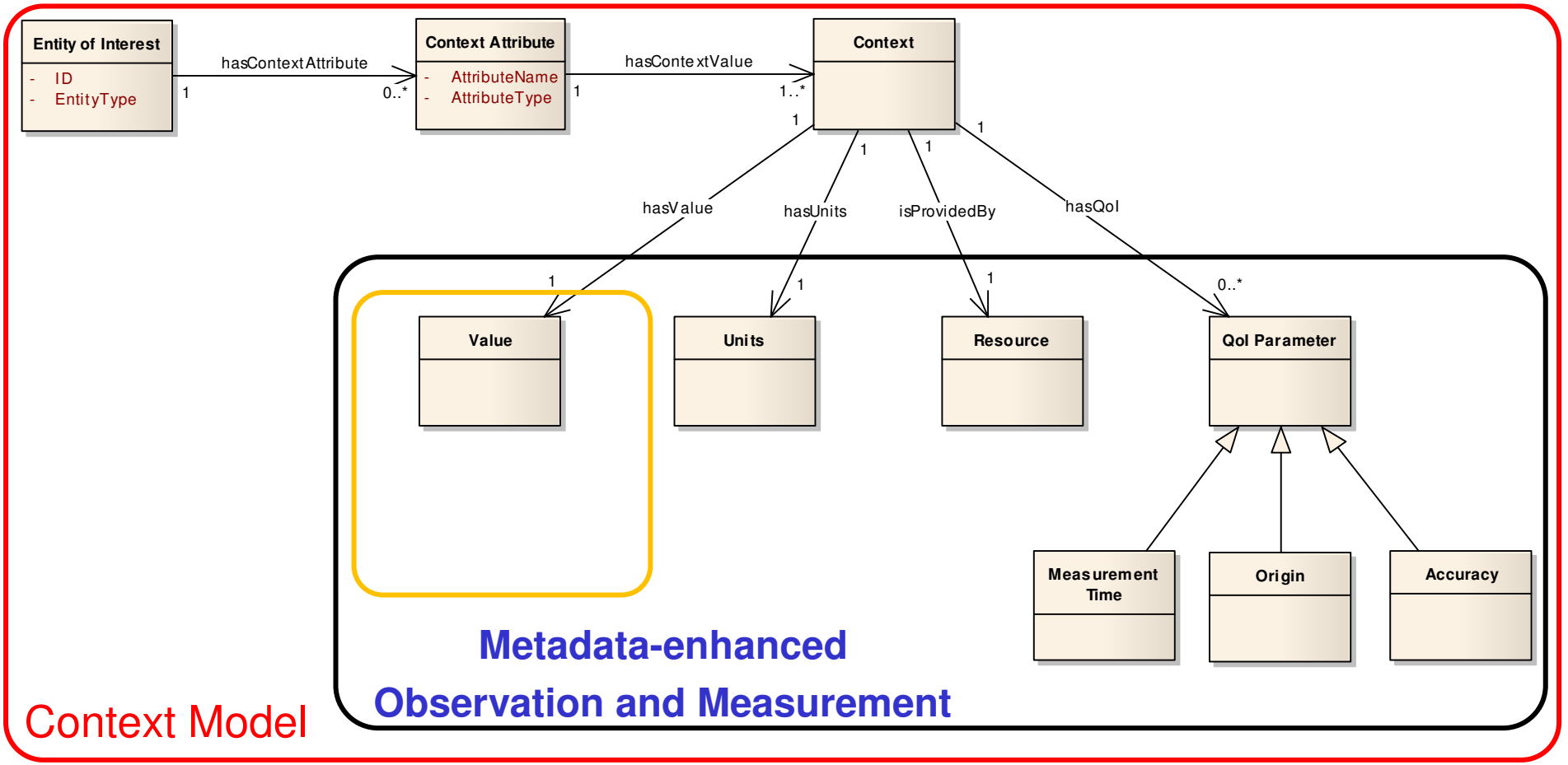
SENSEI Information Model



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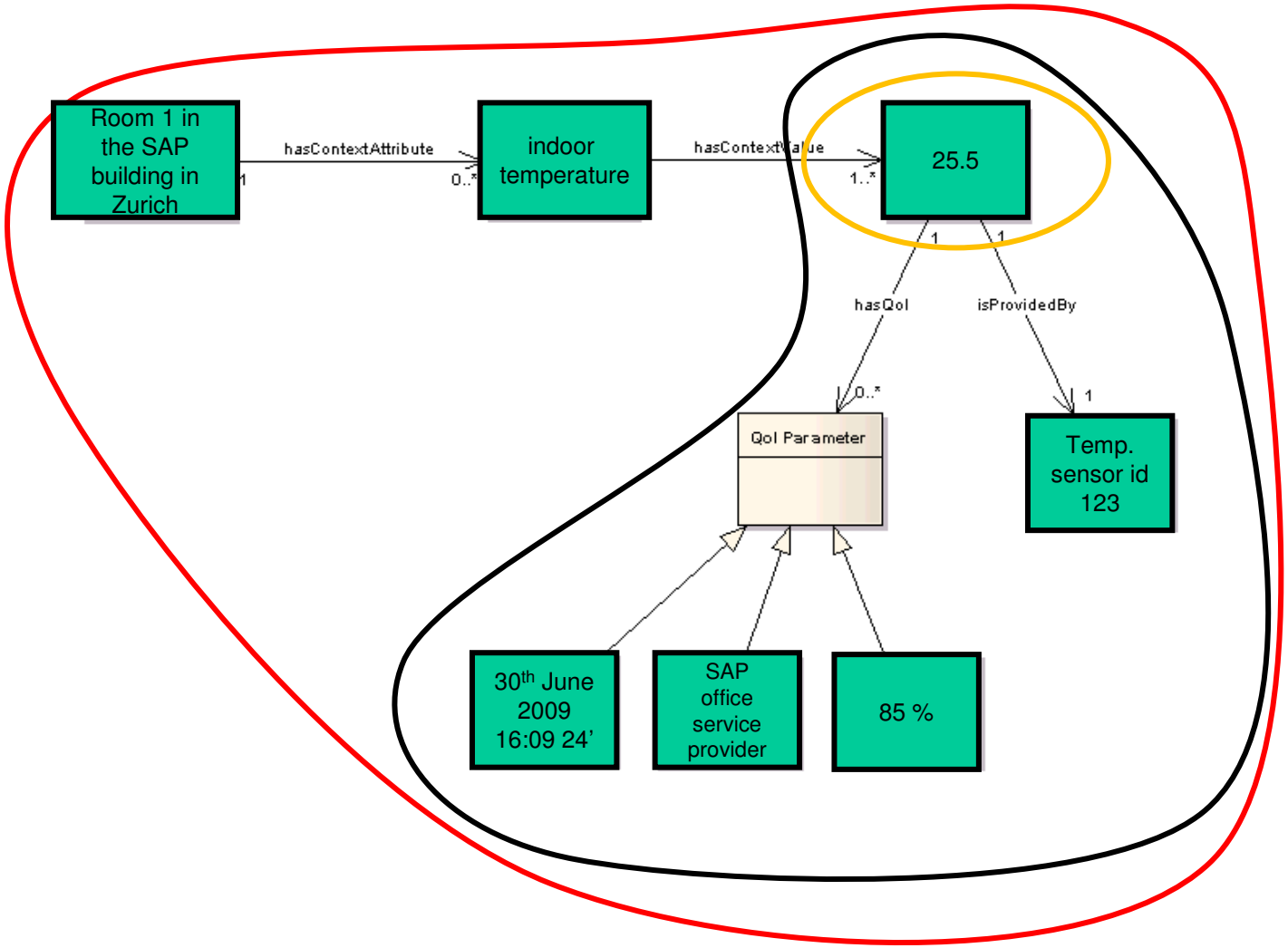
SENSEI Information Model



- O&M Result
- Metadata-enhanced Observation and Measurement
- Context Model

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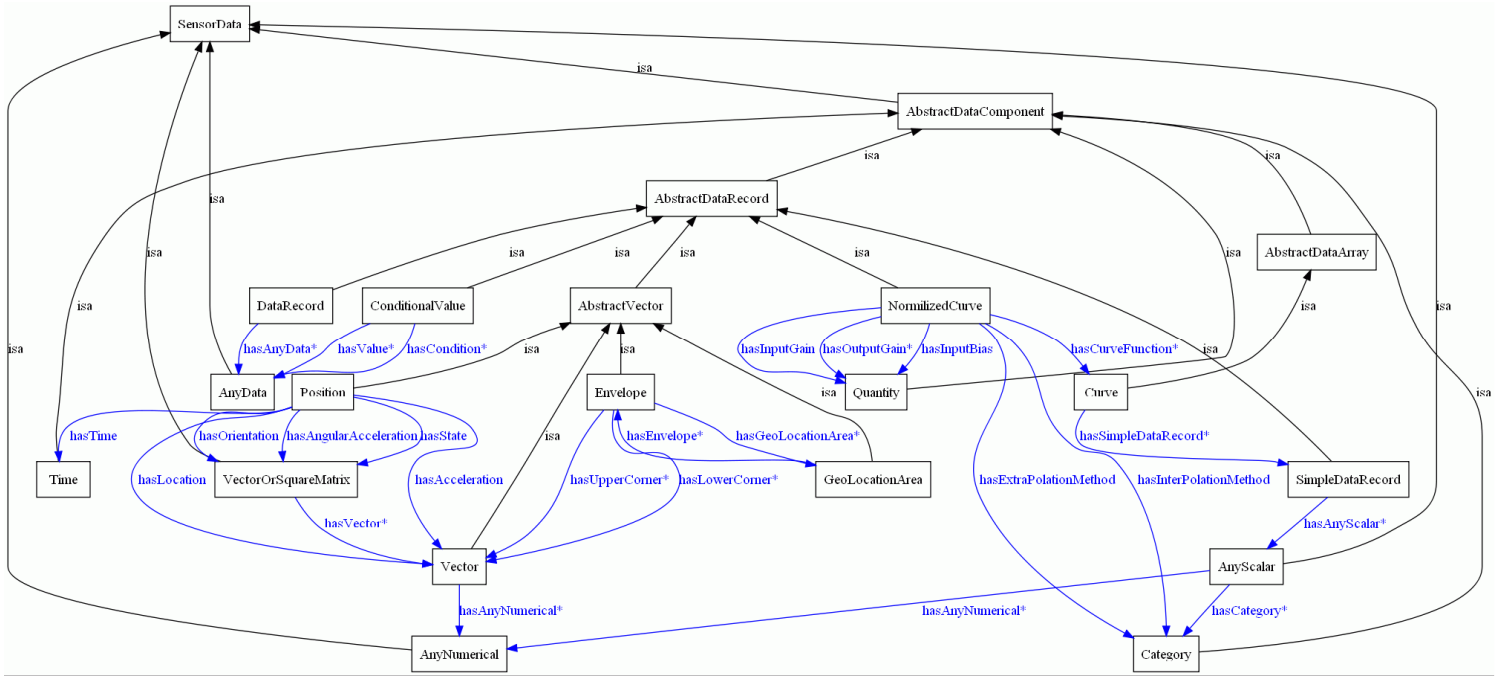
Semantic Model
for Observation and Measurement Data

- SensorData
- AbstractDataComponent
  - AbstractDataArray
    - AbstractMatrix
      - SquareMatrix
    - Curve
    - DataArray
  - AbstractDataRecord
    - AbstractVector
      - Envelope
      - GeoLocationArea
      - Position
      - Vector
    - ConditionalValue
    - DataRecord
    - NormilizedCurve
    - SimpleDataRecord
  - Boolean
  - Category
  - Count
  - CountRange
  - Quantity
  - QuantityRange
  - Text
  - Time
  - TimeRange
- AbstractEncoding
  - BinaryBlock
  - MultiplexedStreamFormat
  - StandardFormat
  - TextBlock
- AllowedTimes
- AllowedTokens
- AllowedValues
- AnyData
- AnyNumerical
- AnyRange
- AnyScalar
- BinaryStructure



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- The Ontology is available at:
  - http://purl.oclc.org/net/unis/ontology/sensordata.owl
- SENSEI (Integrating the Physical with the Digital World of the Network of the Future)
  - http://www.sensei-project.eu/