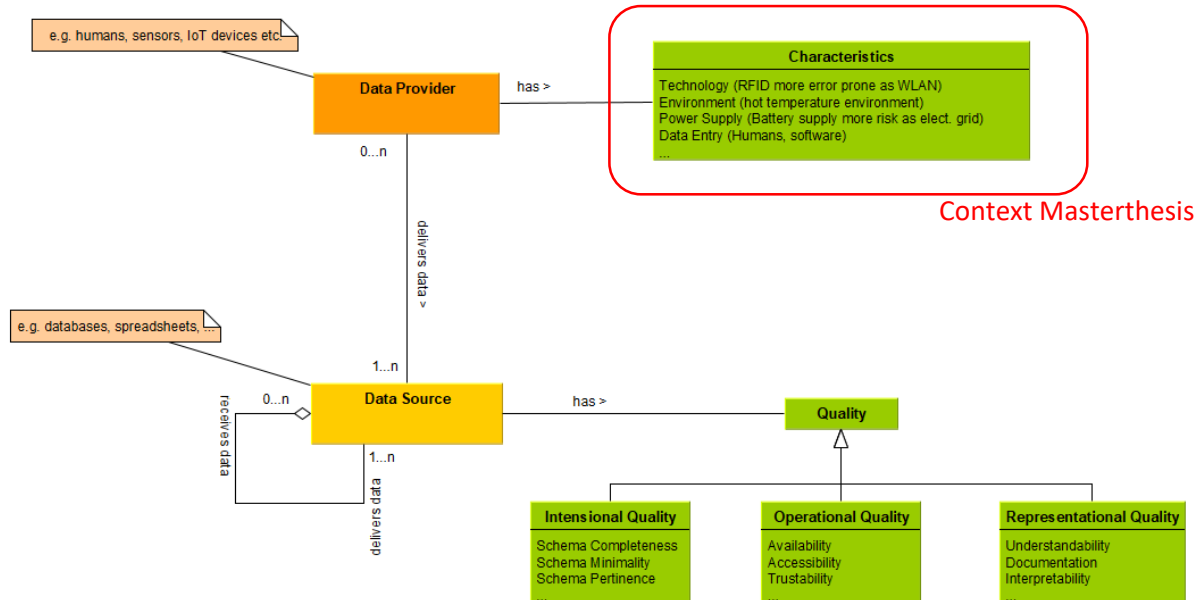


Topic: Data Provider Risk Model

Context:



A data provider is an entity that generates and sends data to data sources (e.g. human, sensor, IoT device etc.).

Goal:

Development of a model that helps to estimate the probability that a data provider provides data with low quality. Therefore, the model should represent characteristics which may influence the quality of the provided data.

Procedure:

- Literature review (how to group and cluster data providers, determination of abstract characteristics)
- Development of meta-model (grouping and hierarchy of characteristics)
- Evaluation of the meta-model (rating the influence of the characteristics according to the provided data)
- Instantiation of meta-model based on a concrete domain (e.g. IoT sensor), definition of concrete characteristics for this domain