

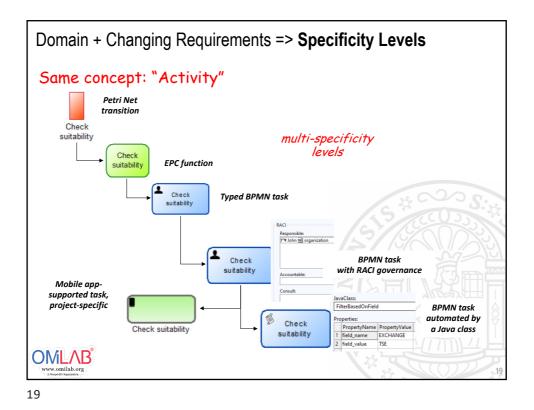
Abstract

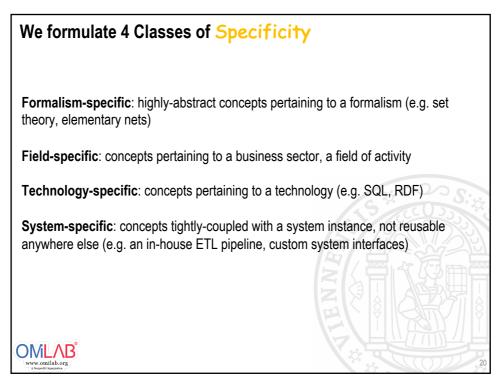
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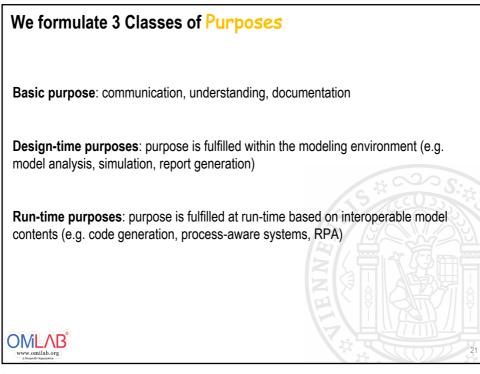
The **conceptualization process** is required to **enable machine interpretation** of these languages. For that it is necessary to understand how these are conceptually structured.

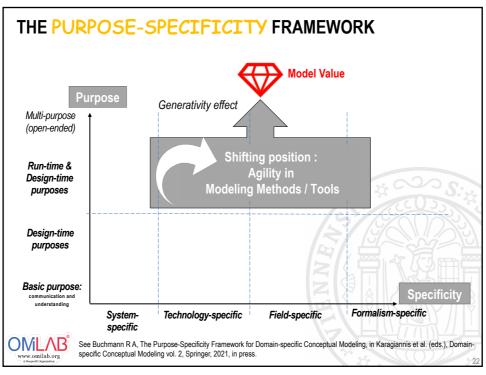
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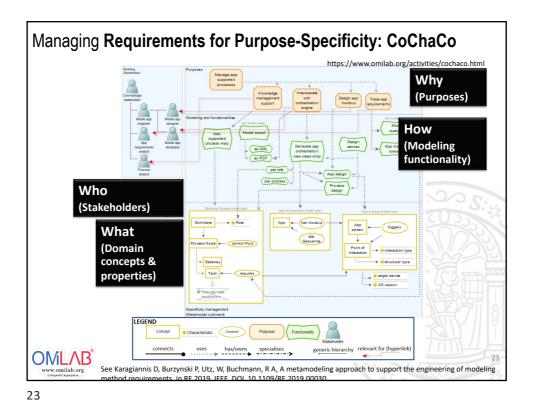












Abstract

In this talk, the **origin of conceptual modeling languages** as the adequate vocabulary for **knowledge representation** and **processing** is introduced.

The **conceptualization process** is required to **enable machine interpretation** of these languages. For that it is necessary to understand how these are conceptually structured.

The **"Purpose-Specificity Framework"** is discussed as an instrument to classify the utilization, considering propagation techniques of domain semantics and model-value functionalities.

Impact in the sense of scientific/commercial uptake is closely related to the purpose of the language, linked to the application needs. Cases from the OMiLAB Community of Practice (www.omilab.org) are presented to explain the applicability of the framework and to discuss further research directions.

