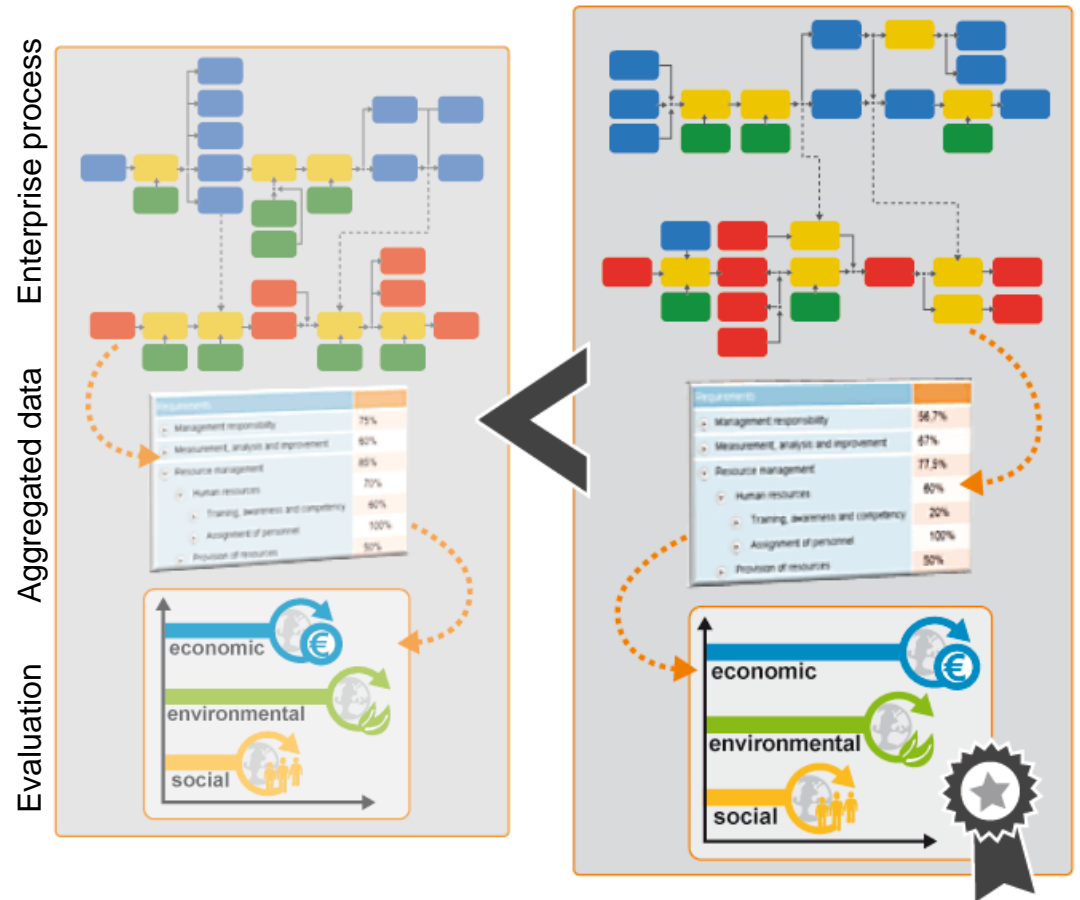


C1 Multi-perspective modelling of sustainable industrial value creation: Challenge

- ▶ Sustainable enterprise processes along value creation
 - ▶ 3 sustainability dimensions into enterprise processes
 - ▶ Cause-impact description between enterprise processes
 - ▶ Sustainability evaluation of enterprise processes

- ▶ Design and planning function
 - ▶ Tool for planning sustainable manufacturing *and* management
 - ▶ Support by a reference model
 - ▶ Operational and strategic management decisions

- ▶ Learning and teaching



C1 Multi-perspective modelling: Approach

Enterprise Model Content

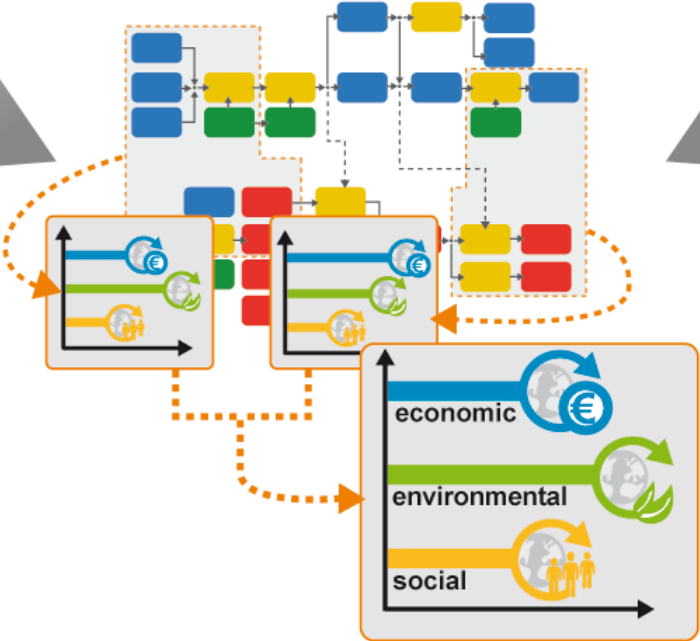
- ▶ Textual description
- ▶ Contextual relations
- ▶ Model elements

- ▶ Data, facts
- ▶ Link of indicators to processes

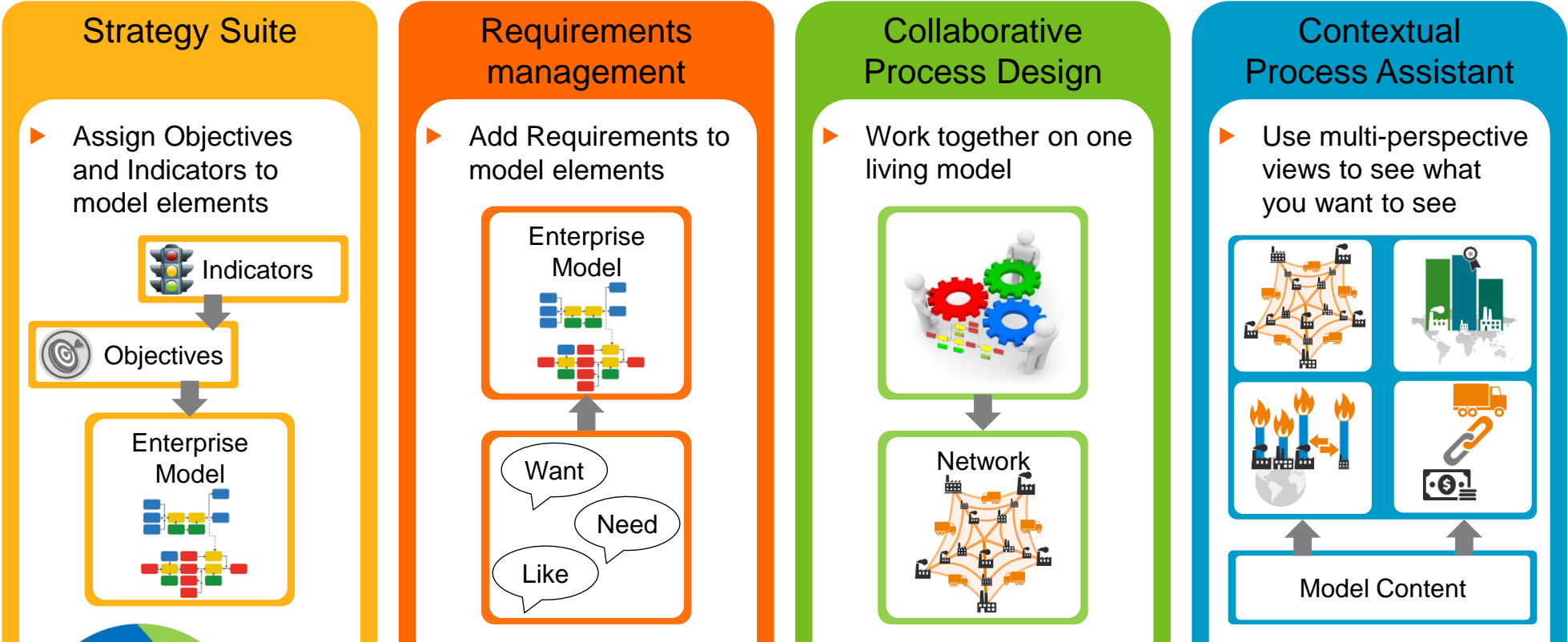
Sustainability evaluation by sustainability structure

Sustainability evaluation by Indicator Calculation

Enterprise Model Evaluation



C1 Multi-perspective modelling: Overview of Results

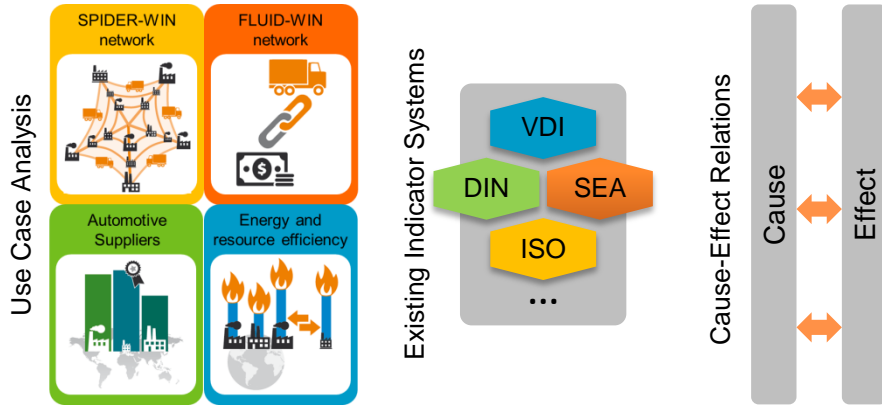


Modelling method and procedures for process design and evaluation under sustainability aspects

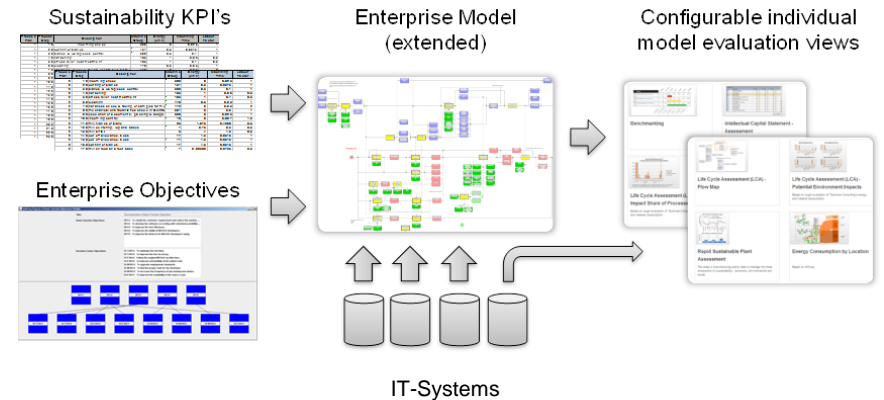


C1 Multi-perspective modelling: Major Steps to reach the GOAL

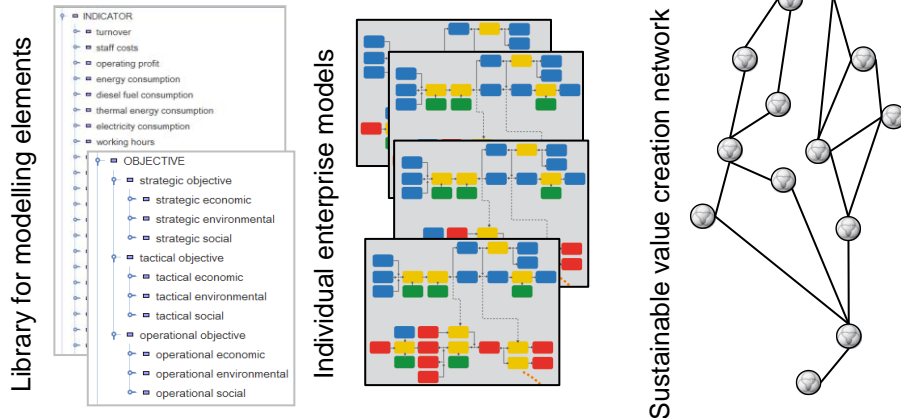
1 Requirements and selected Use Cases



2 Framework concept and first reference model



4 Detailed Design and Elaboration of Multi-perspective Reference Models



3 Development of Modelling Method

