

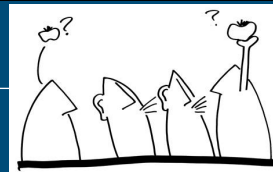
Business Process Modeling in Horticultural Supply Chains

Producers and Consumers in the Horticultural Value Chain (Seminar SM10)
28th International Horticultural Congress, Lisboa, August 22-17, 2010

C.N. Verdouw, A.J.M. Beulens, J.H. Trienekens, J. Wolfert

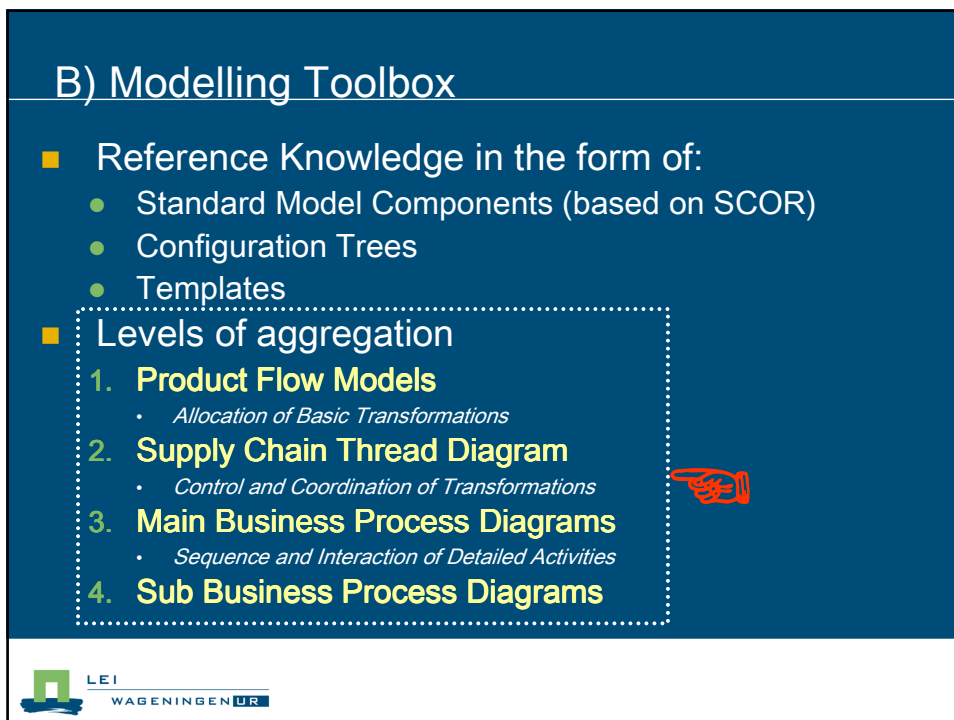
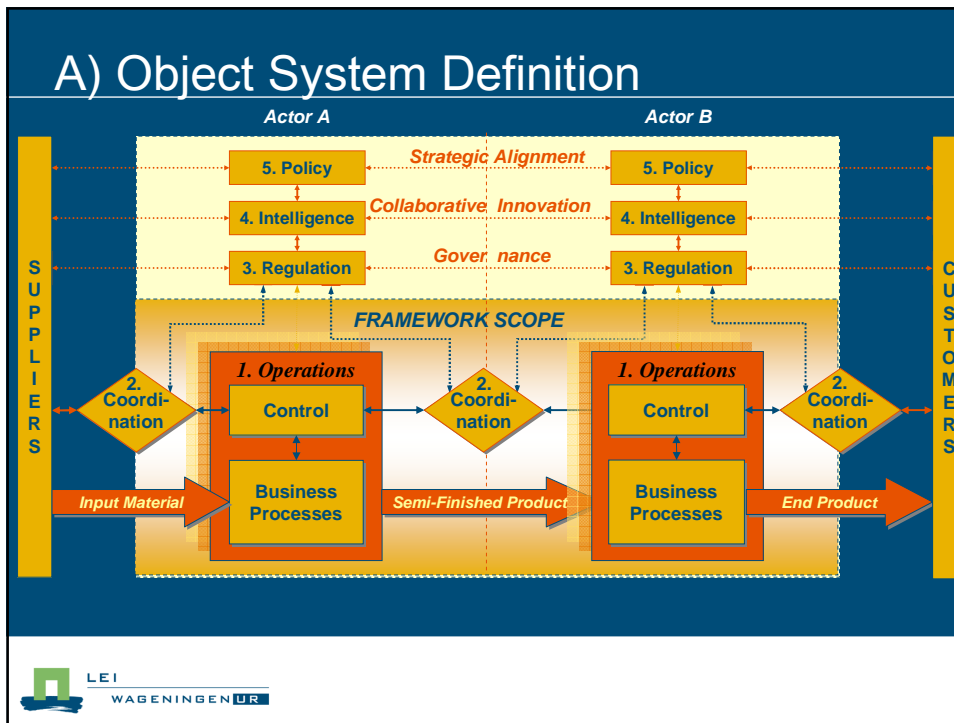


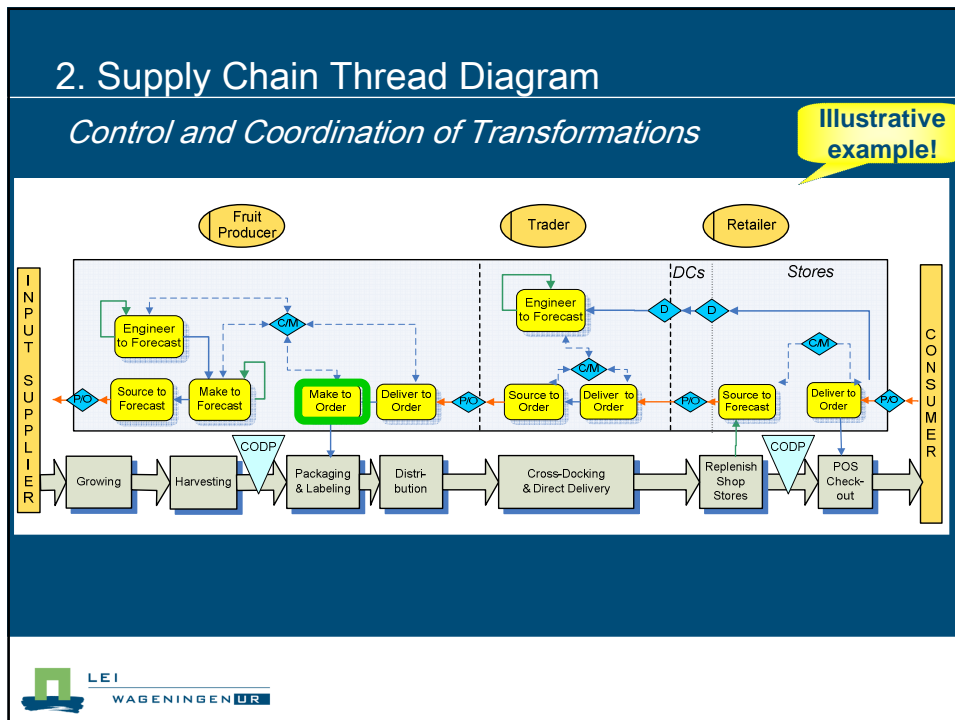
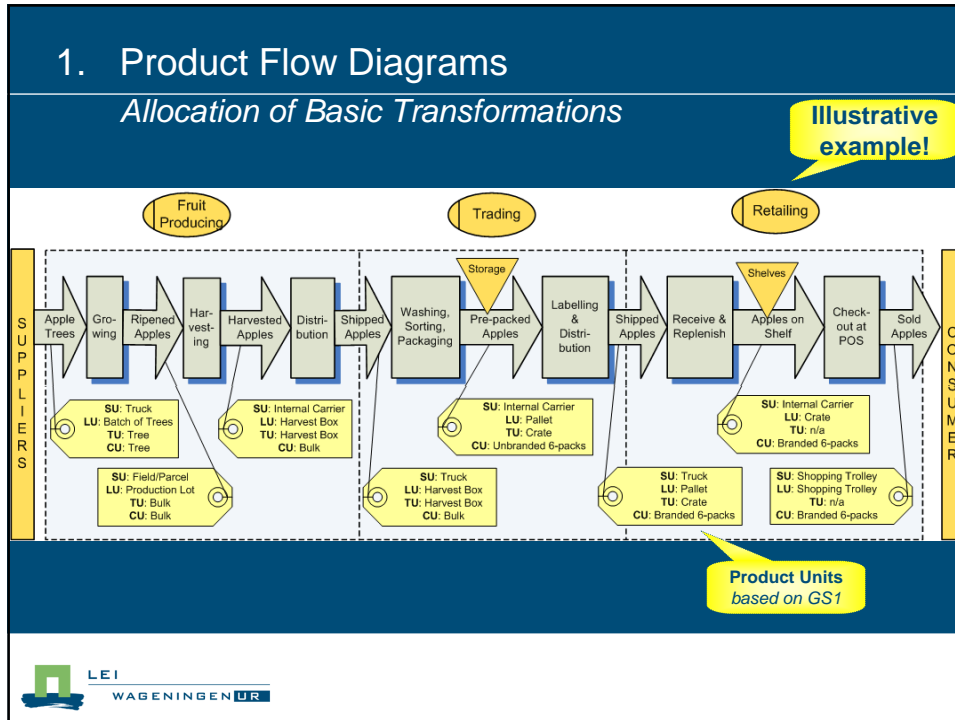
Introduction



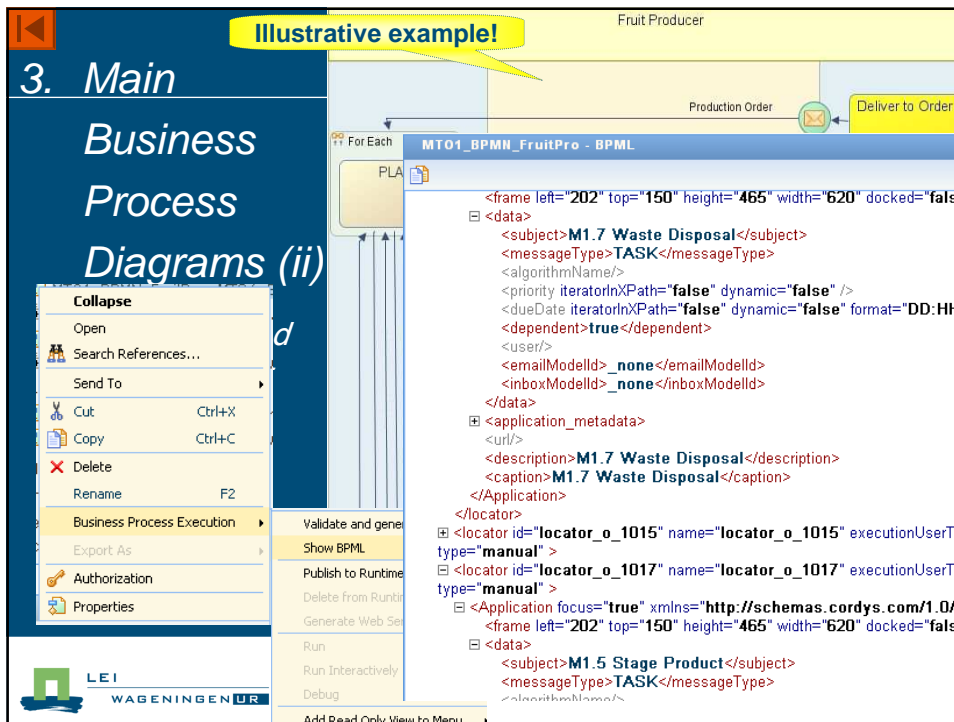
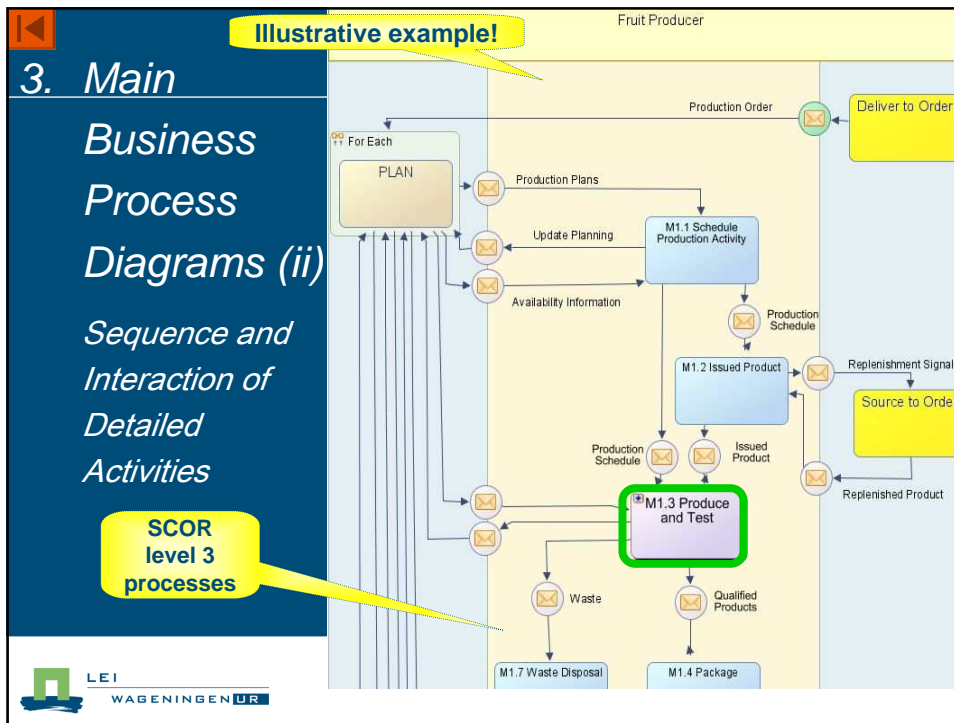
- Problem context
 - Trend towards dynamic demand-driven supply chains
 - High variety and variability of supply chain configurations
 - Interoperability and agility of information systems
- Objective
 - To discuss a process modeling framework, which enables rapid design and implementation of demand-driven supply chains.
- Based on multiple case studies in Dutch potted plants and European fruit supply chains
- **Two parts of the framework:**
 - A) Object System Definition**
 - B) Modeling Toolbox**



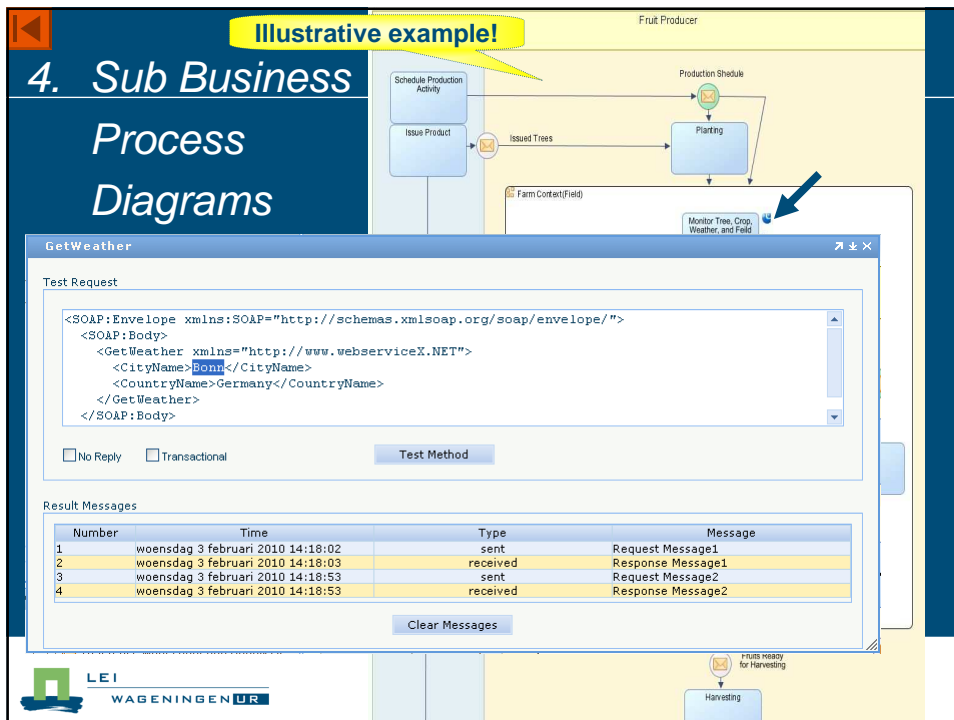
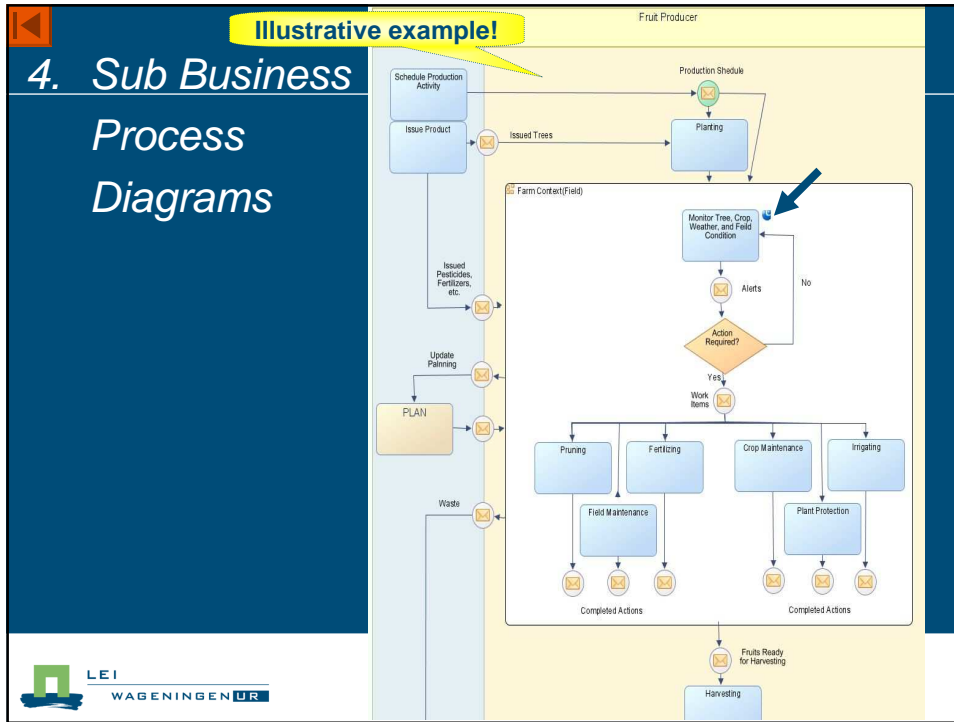




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To conclude: Main benefits of the framework

- It helps to **map supply chain processes**, including its control and coordination, in a timely, punctual and coherent way
- It supports a **seamless translation** of high-level supply chain designs to detailed information engineering models
- It enables **rapid instantiation** of various supply chain configurations (instead of dictating a single blueprint)
- It combines **horti-specific knowledge** with reuse of knowledge provided by generic cross-industry standards (SCOR, GS1)

Thank you for your attention!

Further information:

- C.N. Verdouw, A.J.M. Beulens, J.H. Trienekens, J.G.A.J. van der Vorst (2010). A framework for modelling business processes in demand-driven supply chains.

Production Planning and Control, in press.

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Computers and Electronics in Agriculture, 73 (2), 174-187.

- C.N. Verdouw, A.J.M. Beulens, J.H. Trienekens, T. Verwaart (2010). Towards dynamic reference information models: Readiness for ICT mass customization.

Computers in Industry, in press.

- C.N. Verdouw, A.J.M. Beulens, J.H. Trienekens, T. Verwaart (2010). Mastering demand and supply uncertainty with combined product and process configuration.

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