SEMA Basic Philosophy

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Abstract

This presentation explains the basic philosophy behind the SEMA course. The SEMA course in the first place is a course that provides an approach to architectural reasoning. Core to architectural reasoning is the ability to make conceptual models and to use them in conjunction. The course discusses how to make conceptual mdoels, how to get input, and how to use them for analysis. Modeling is put in broader perspective, such as model evolution, simuation, and validation.

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You will mostly be working!

One Case during the course and the home work assigment

Work in teams if possible

Select a case close to your day-to-day practice

Learning by Doing

Some theory, apply on case

Case = System of interest + developing organization + some innovative change

Choice of case is critical!



Our Primary Interest

developing organization

architect

system of interest



Context, Zoom-out and Zoom-in

customer organization

developing organization

architect

supplier organization

super system

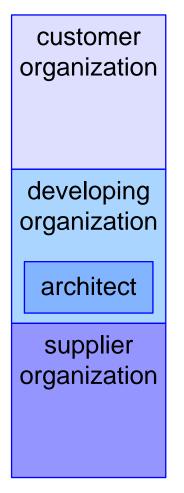
system of interest

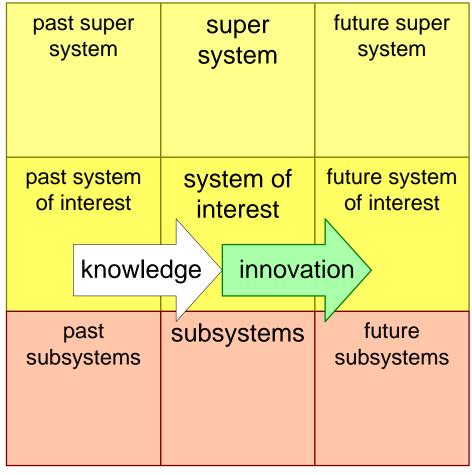
subsystems



Adding the Time Dimension

past current future

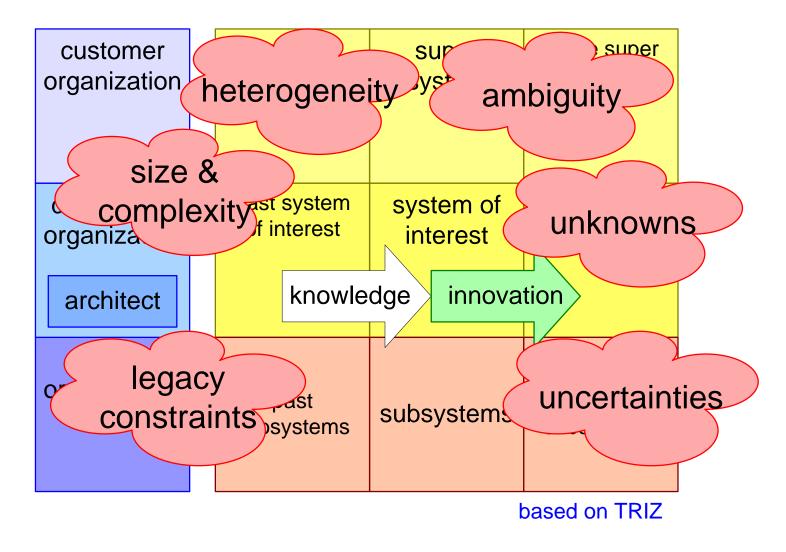




based on TRIZ

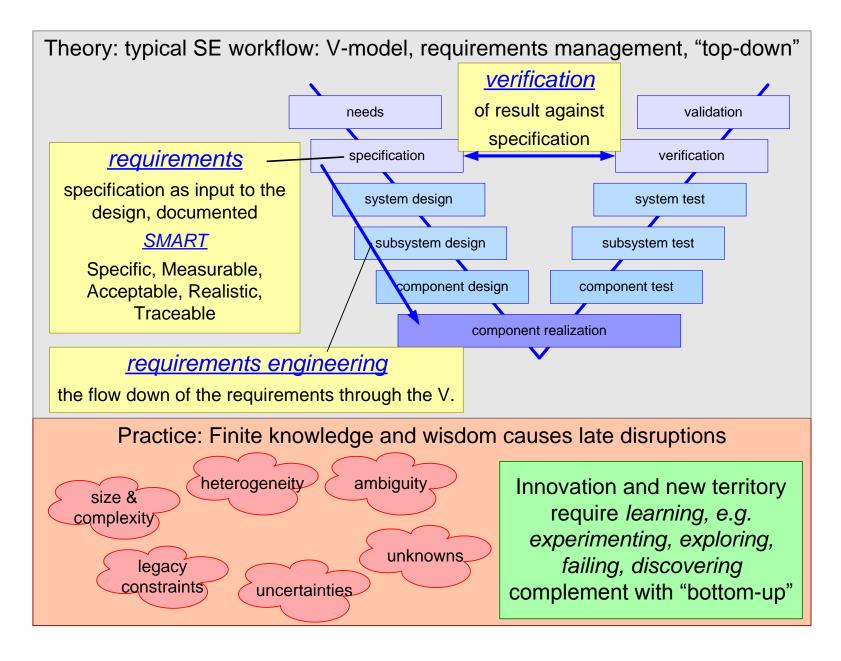


past current future



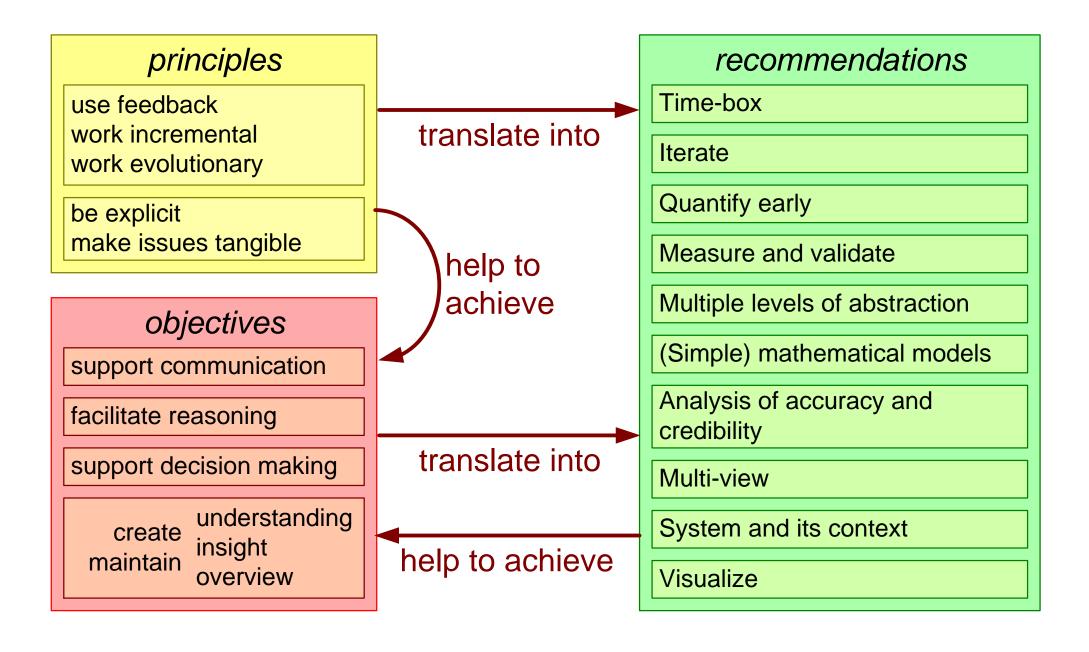


From Theory to Practice





Recommendations as Common Thread





Final Delivery: Presentation to Top Management

