

# SEMA Methods Overview

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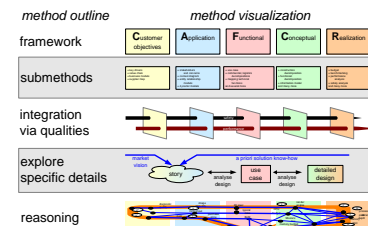
## Abstract

This presentation provides an overview of the SEMA course: Architectural Reasoning Using Conceptual Modeling. This course uses the CAFCR+ model with 6 views. Qualities connect all views. Threads-of-reasoning capture the architectural reasoning across views and qualities. Conceptual models visualize and capture the context, the system and its design. Quantification is a means to make problem and solution space tangible.

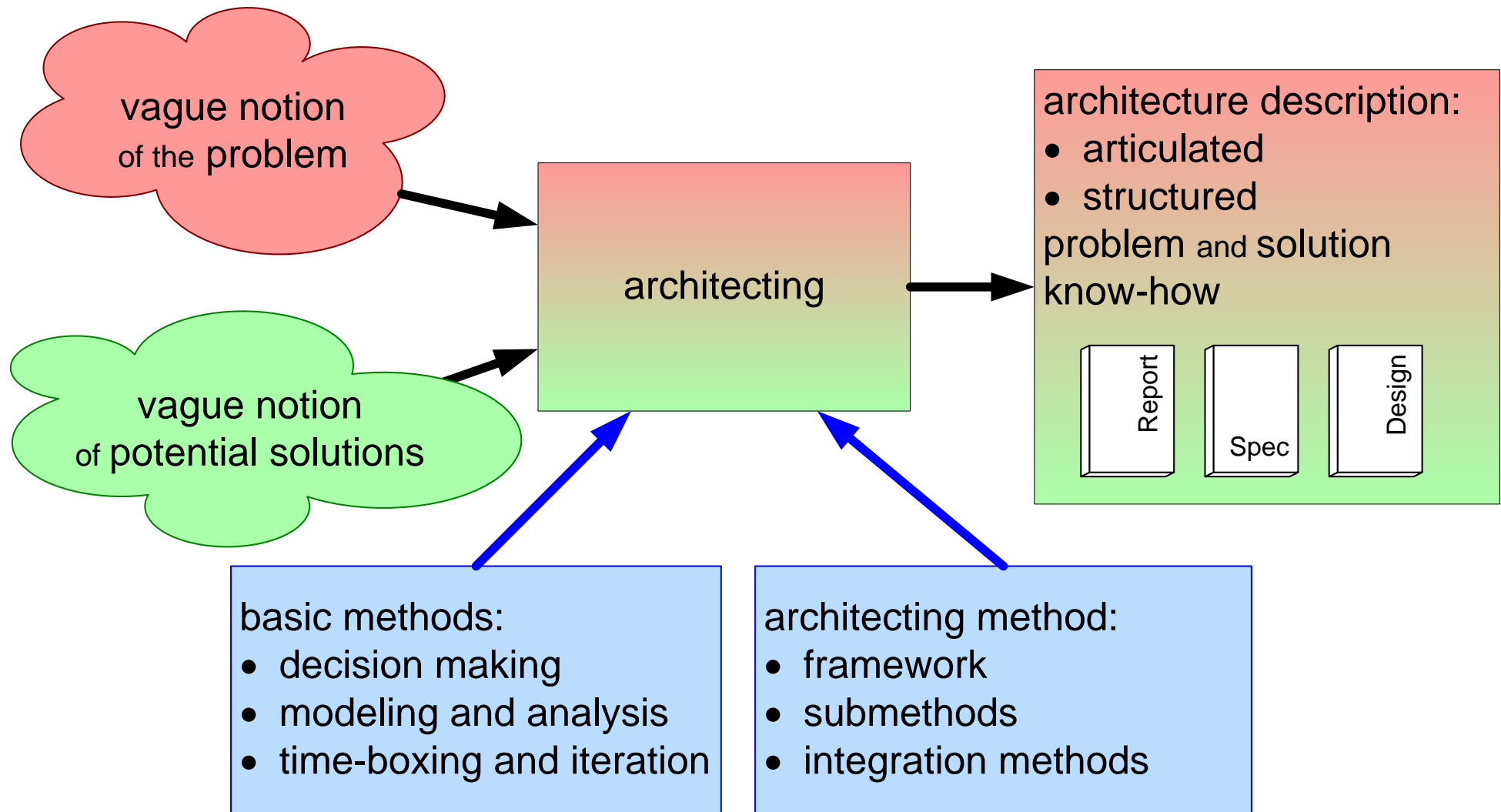
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# From vague notions to articulate and structured



# Overview of architecting method

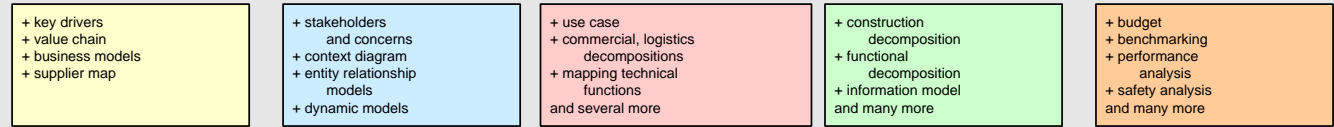
## method outline

## method visualization

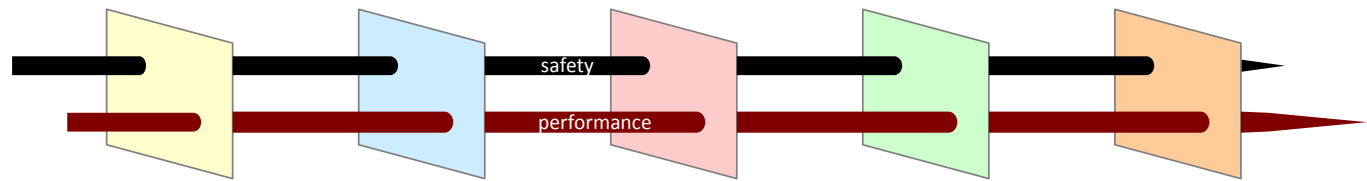
### framework



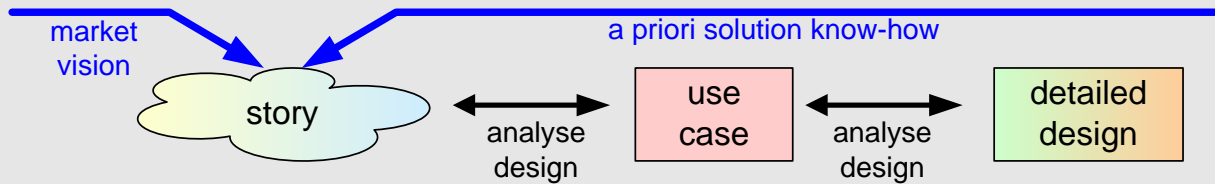
### submethods



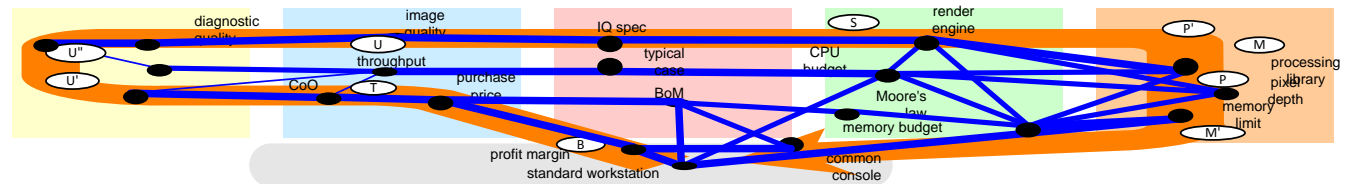
### integration via qualities



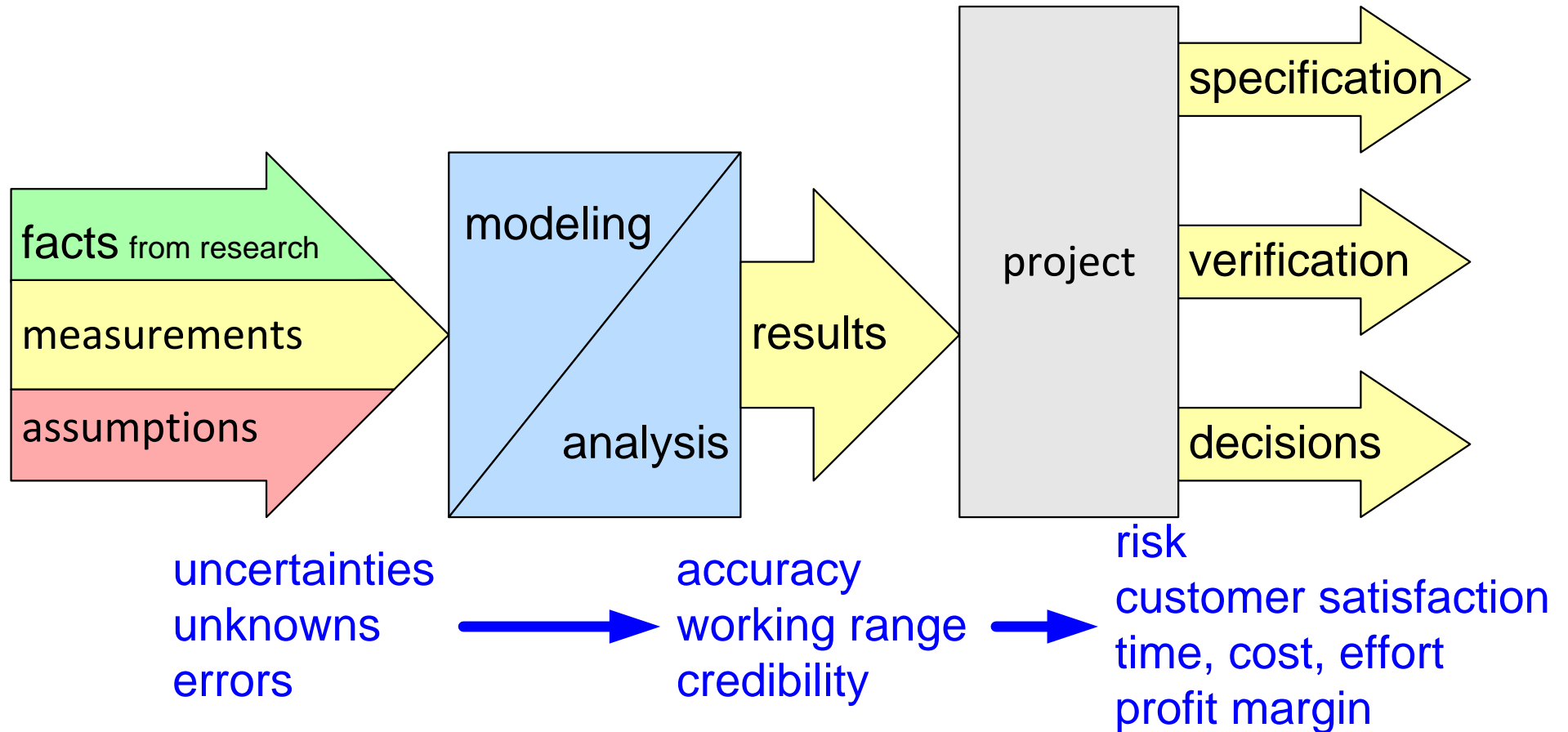
### explore specific details



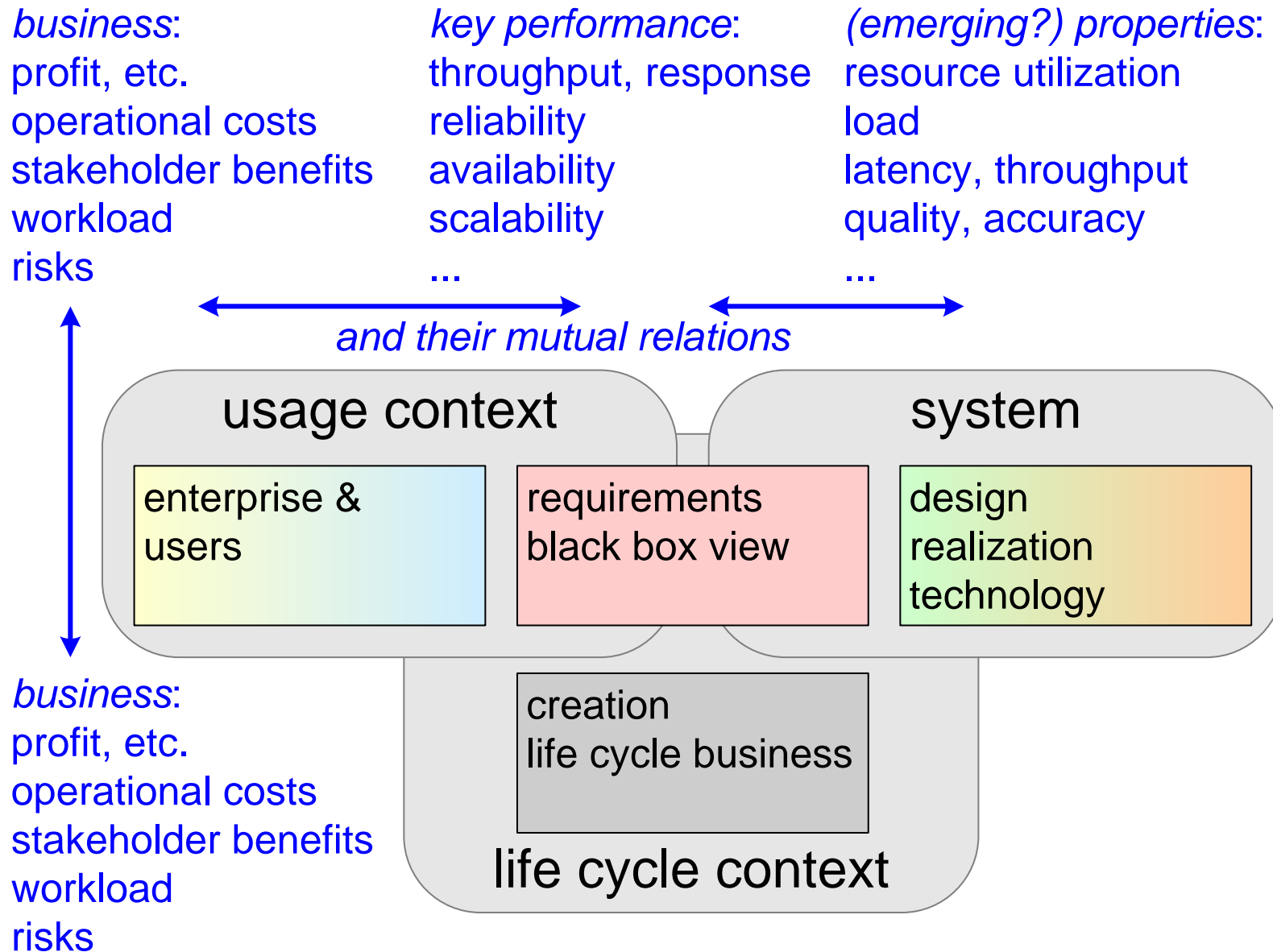
### reasoning



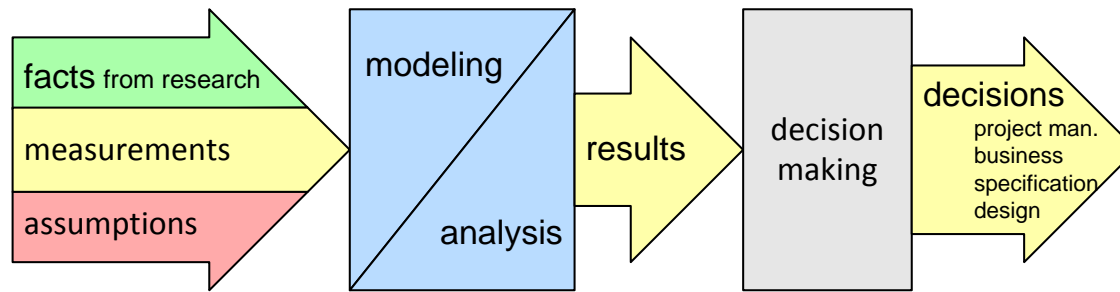
# Purpose of Modeling



# What to Model?

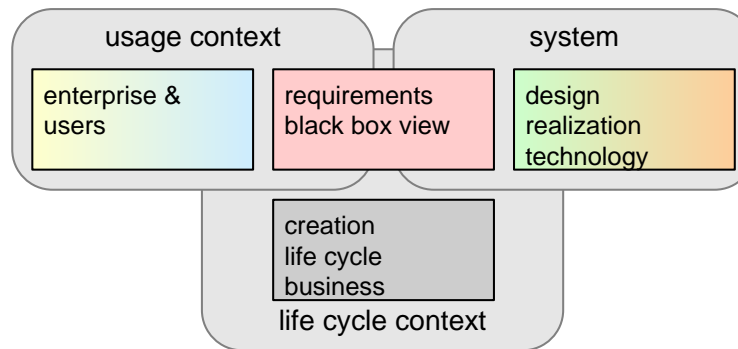


# Overview of Modeling Approach



collect input data

model and analyse relevant issues



for different stakeholders & concerns

integration and reasoning

