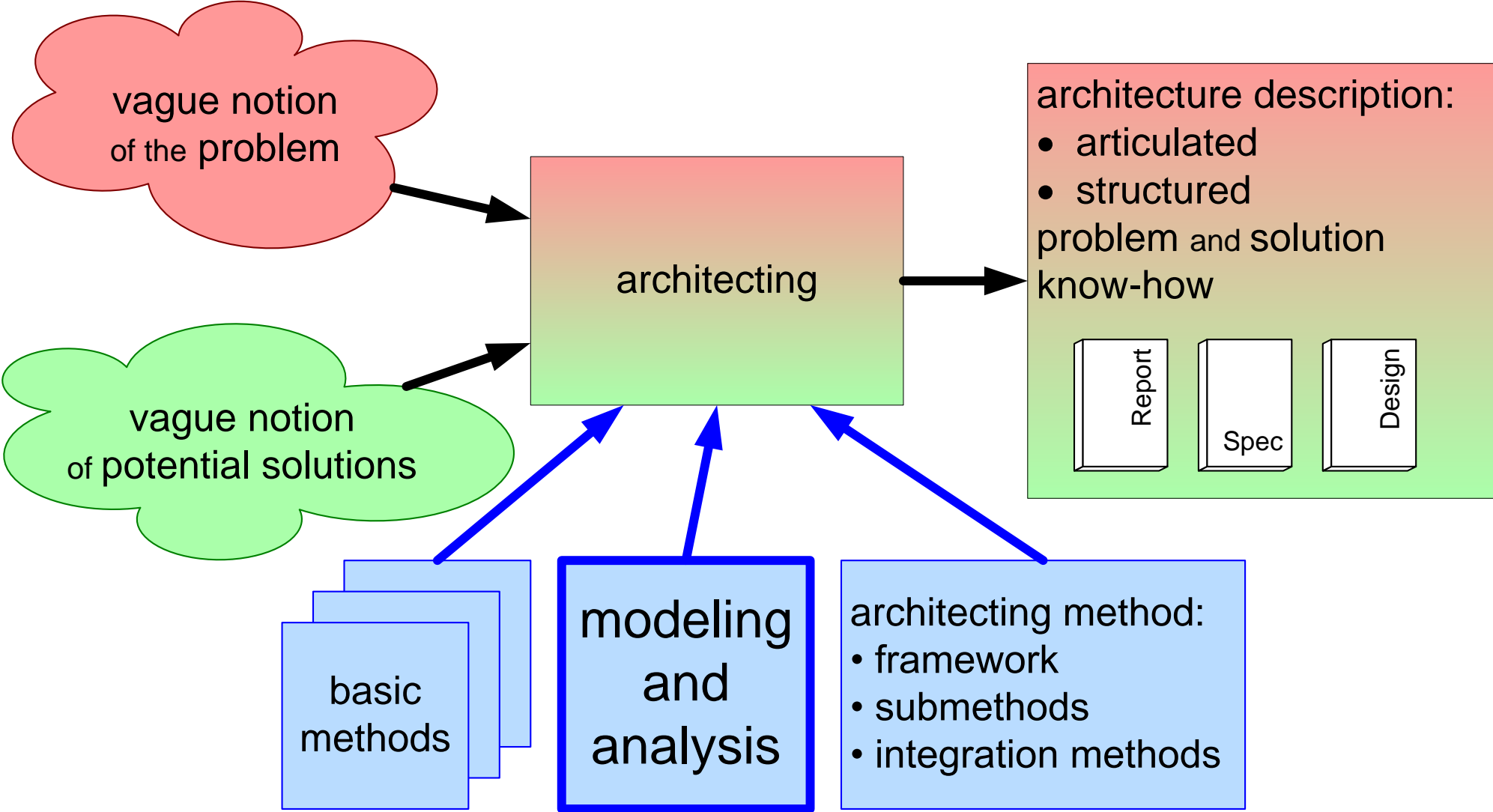


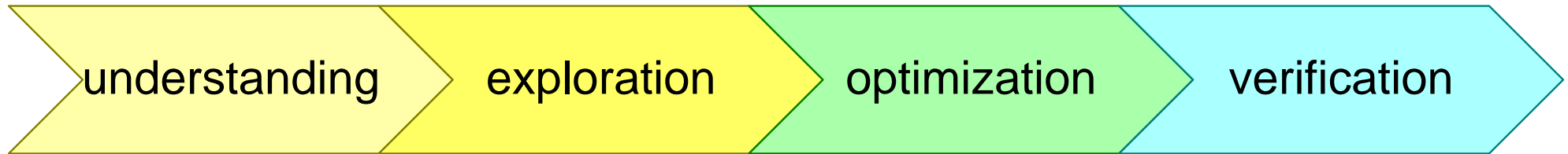


# Positioning Modeling and Analysis in Architecting



# Modeling and Analysis supports:

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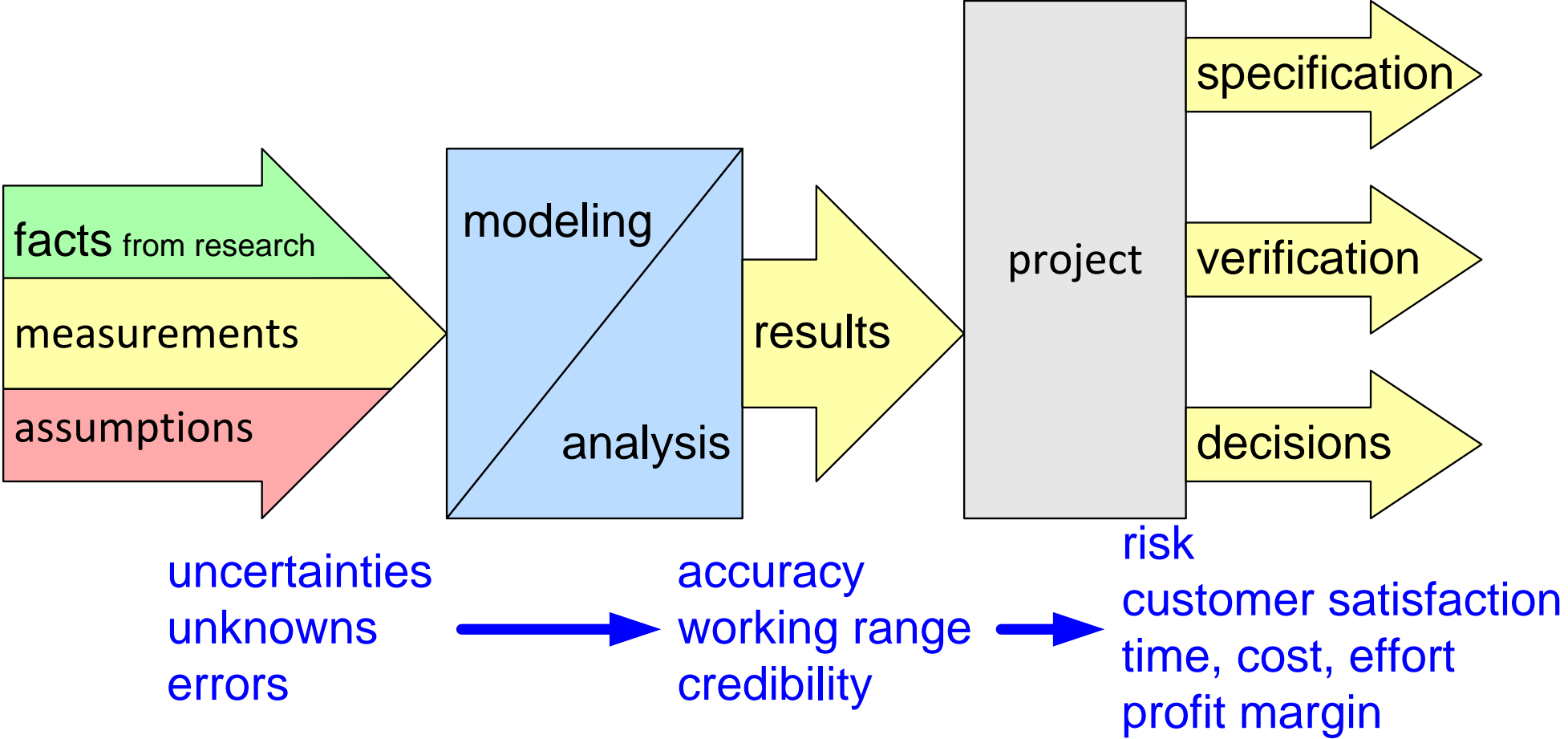
Type of model depends on project phase

Models have a goal

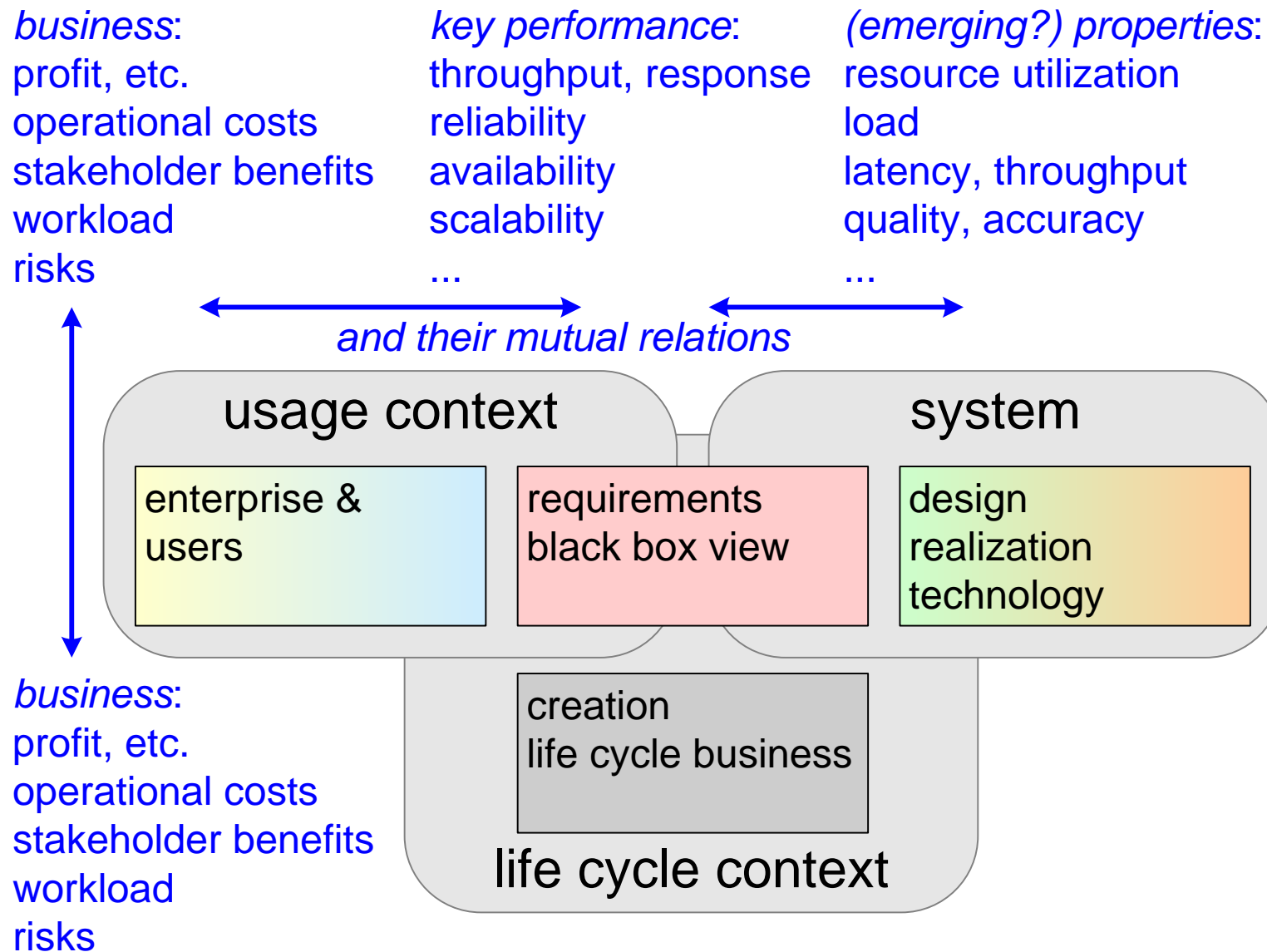
Goals evolve and models evolve

Techniques are used to reach this goal

# Purpose of Modeling



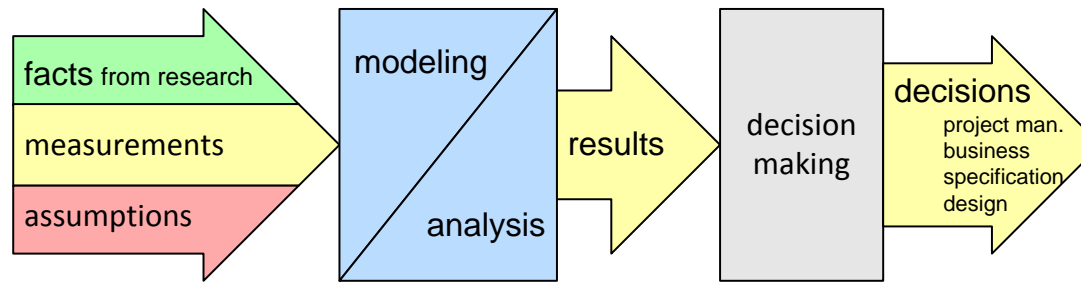
# What to Model?



# Program of Modeling and Analysis Course

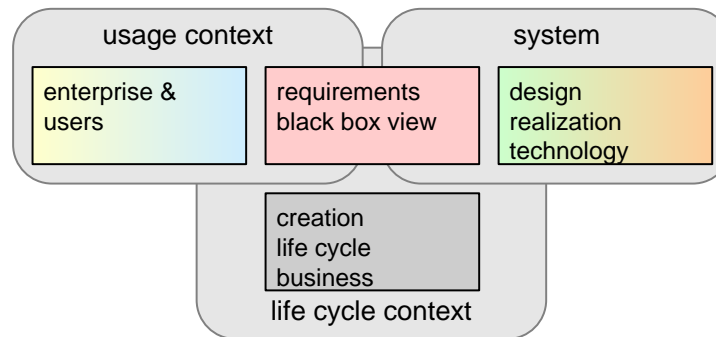
day 1	1. overall approach intro, overall approach, exercise overall approach
	2. input facts, data, uncertainties quantification, measurements, modeling, validation, technology background, lifecycle and business input sources
day 2	3. system modeling purpose, approaches, patterns, modularity, parametrization, means, exploration, visualization, micro-benchmarking, characterization, performance as example
	4. application, life-cycle modeling reiteration of modeling approach (see module 3), applied on customer application and business, and life cycle
day 3	5. integration and reasoning relating key driver models to design models, model based threads of reasoning, FMEA-like approach, modeling in project life-cycle
	6. analysis, using models sensitivity, robustness, worst case, working range, scalability, exceptions, changes

# Overview of Approach



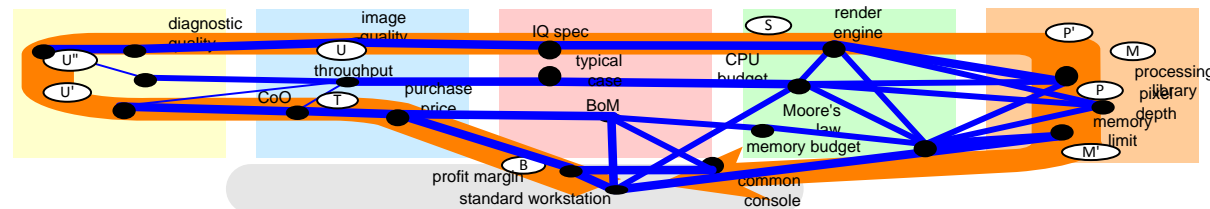
collect input data

model and analyse relevant issues



for different stakeholders & concerns

integration and reasoning



# Iteration over viewpoints

