## Research Question and Hypothesis

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#### **Abstract**

The research question and objectives with respect to architecting methods are defined. The scope is product-family and product level primarily. An hypothesis is formulated, that is based on a multi-view framework allowing many submethods to be used. Criteria for architecting methods are articulated.

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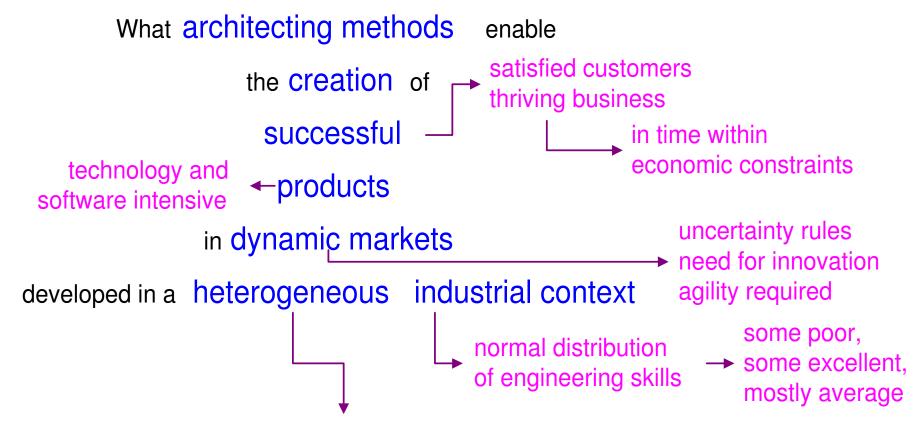
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#### Research question



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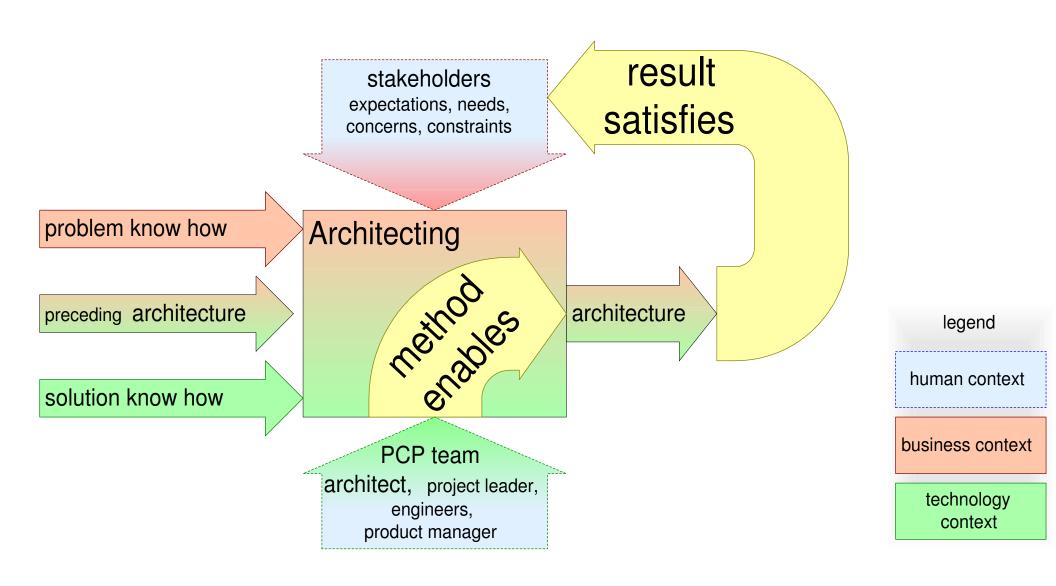
#### Hypothesis

A rich collection of submethods fitting in a multi-view framework complemented with reasoning methods enables successful architecting of technology and software intensive complex systems in heterogeneous environments

by means of **generic insights** grounded in **specific facts** 

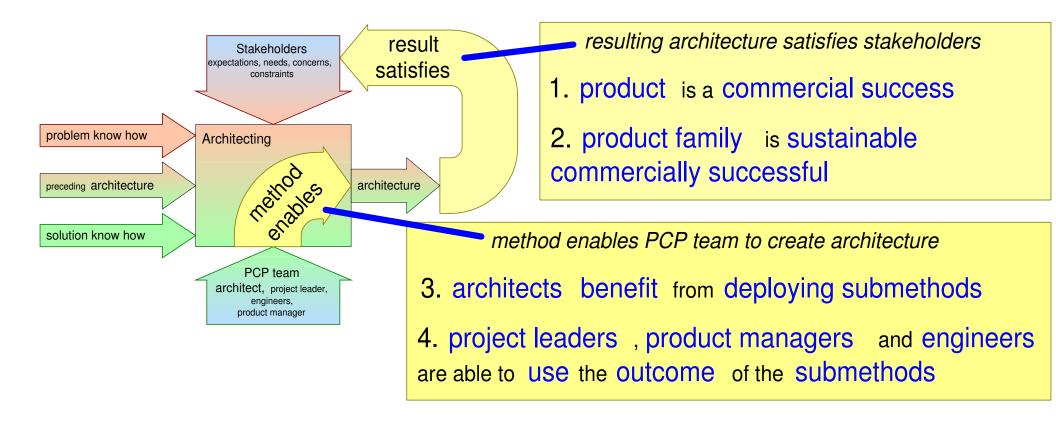


## Successful architecting and architecting method





### From hypothesis to criteria





#### Overview

### research question

What architecting methods enable the creation of successful products in dynamic markets developed in a heterogeneous industrial context

# hypothesis

A rich collection of submethods fitting in a multi-view framework complemented with reasoning methods enables successful architecting of technology and software intensive complex systems in heterogeneous environments by means of generic insights grounded in specific facts

#### criteria

- 1. product is a commercial success
- 2. product family is sustainable commercially successful
- 3. architects benefit from deploying submethods
- 4. project leaders, product managers and engineers are able to use the outcome of the submethods

