

# 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.

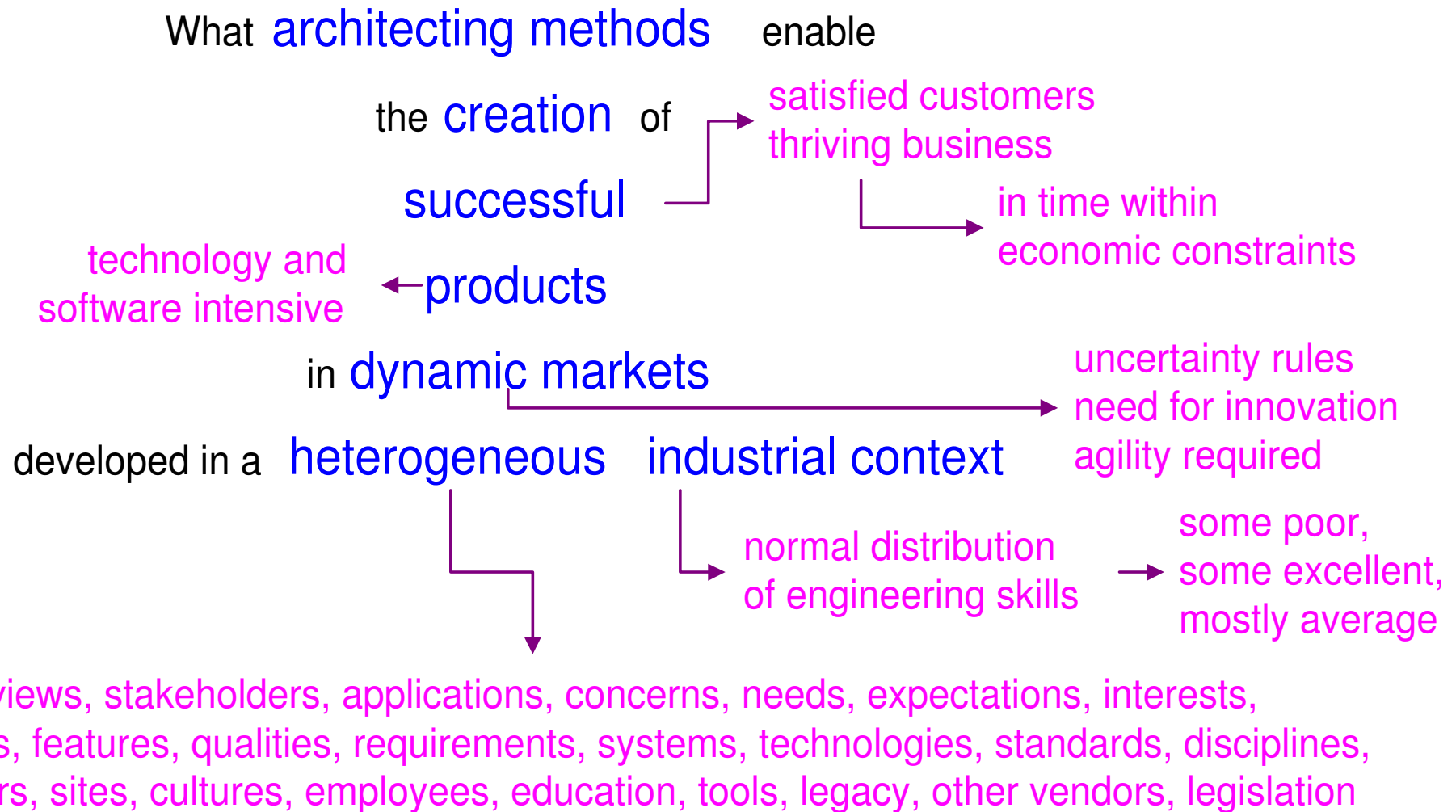
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research question	What architecting methods enable the creation of successful products in dynamic markets developed in a heterogeneous industrial context
hypothesis	A rich collection of submethods fitting in a multi-view framework complemented with 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	<ol style="list-style-type: none"><li>1. product is a commercial success</li><li>2. product family is sustainable commercially successful</li><li>3. architect benefits from deploying submethods</li><li>4. project leaders, product managers and engineers are able to use the outcome of the submethods</li></ol>

# Research question

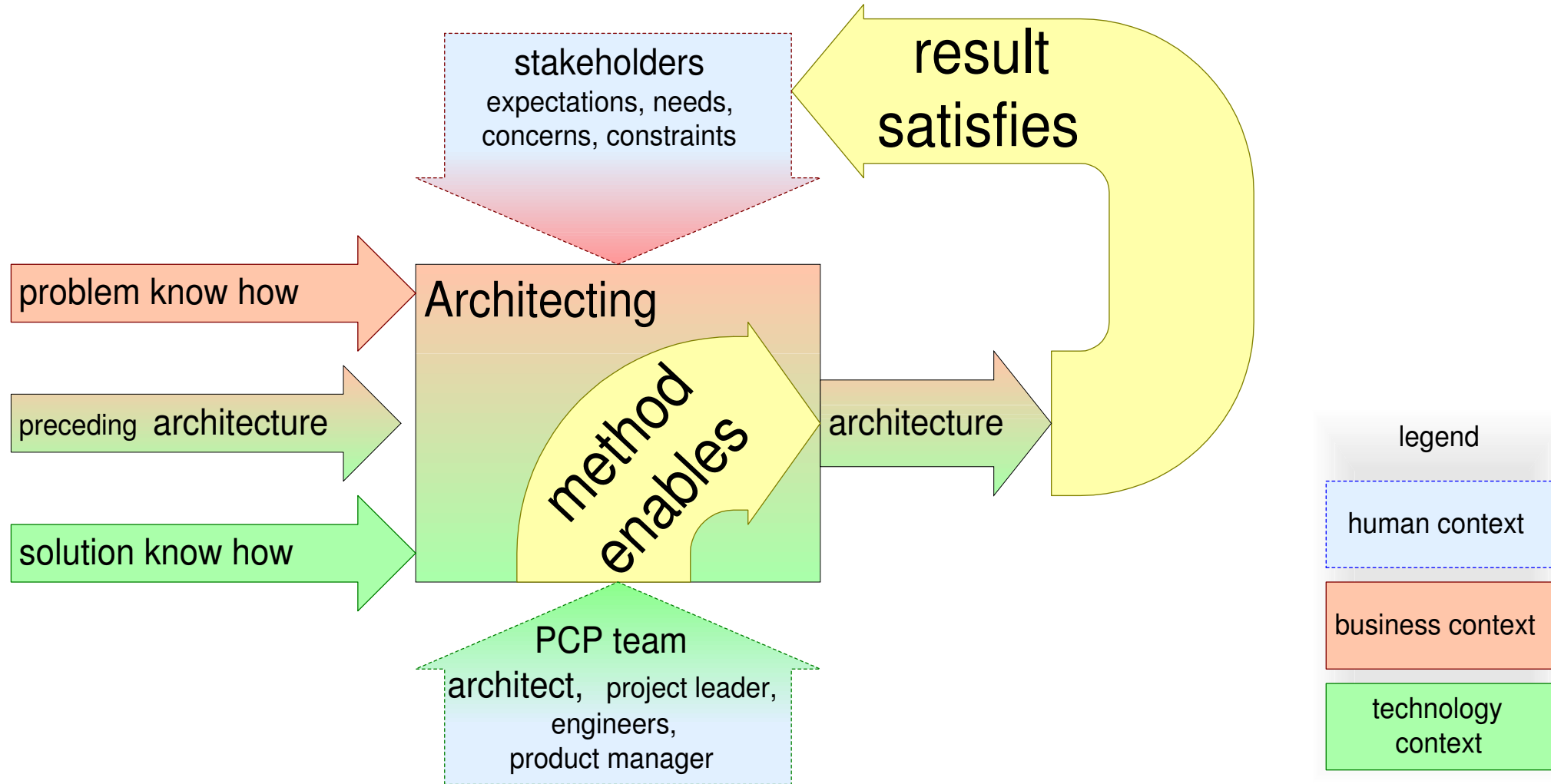


# Hypothesis

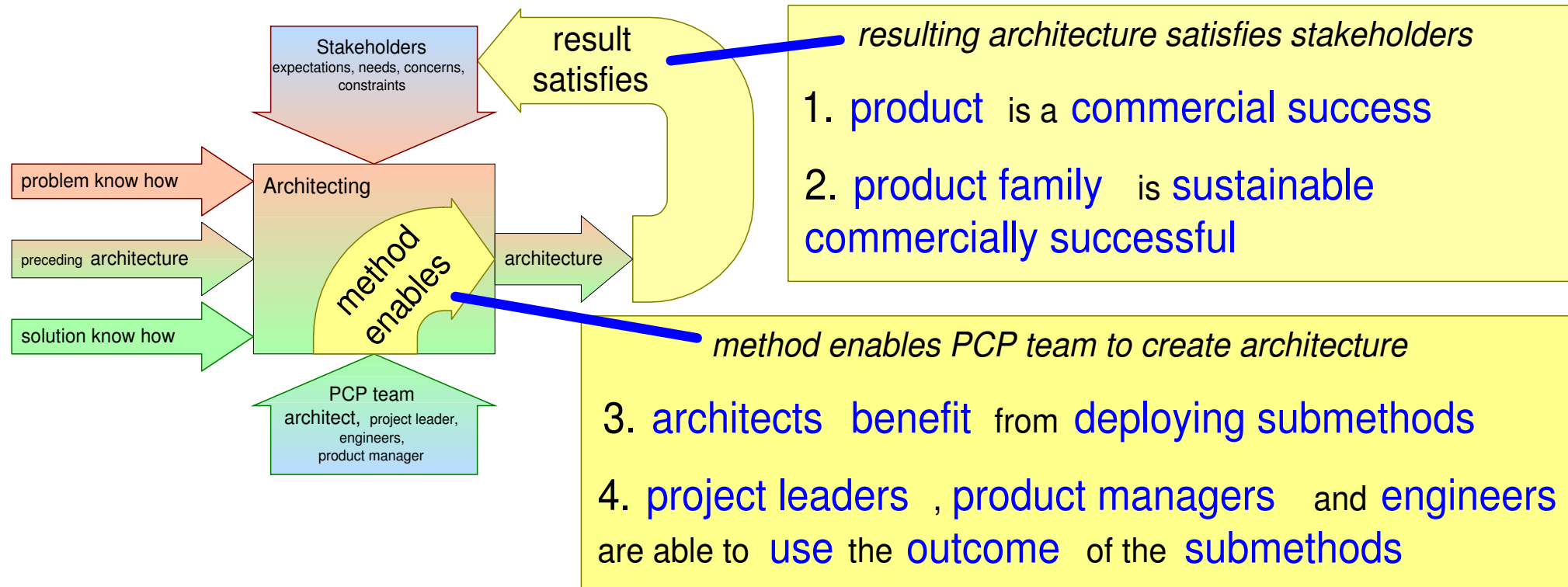
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A **rich collection** of **submethods** fitting in a **multi-view framework**  
complemented with **reasoning methods** enables **successful architecting** of  
**technology** and **software intensive complex systems** in **heterogeneous environments**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