

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.

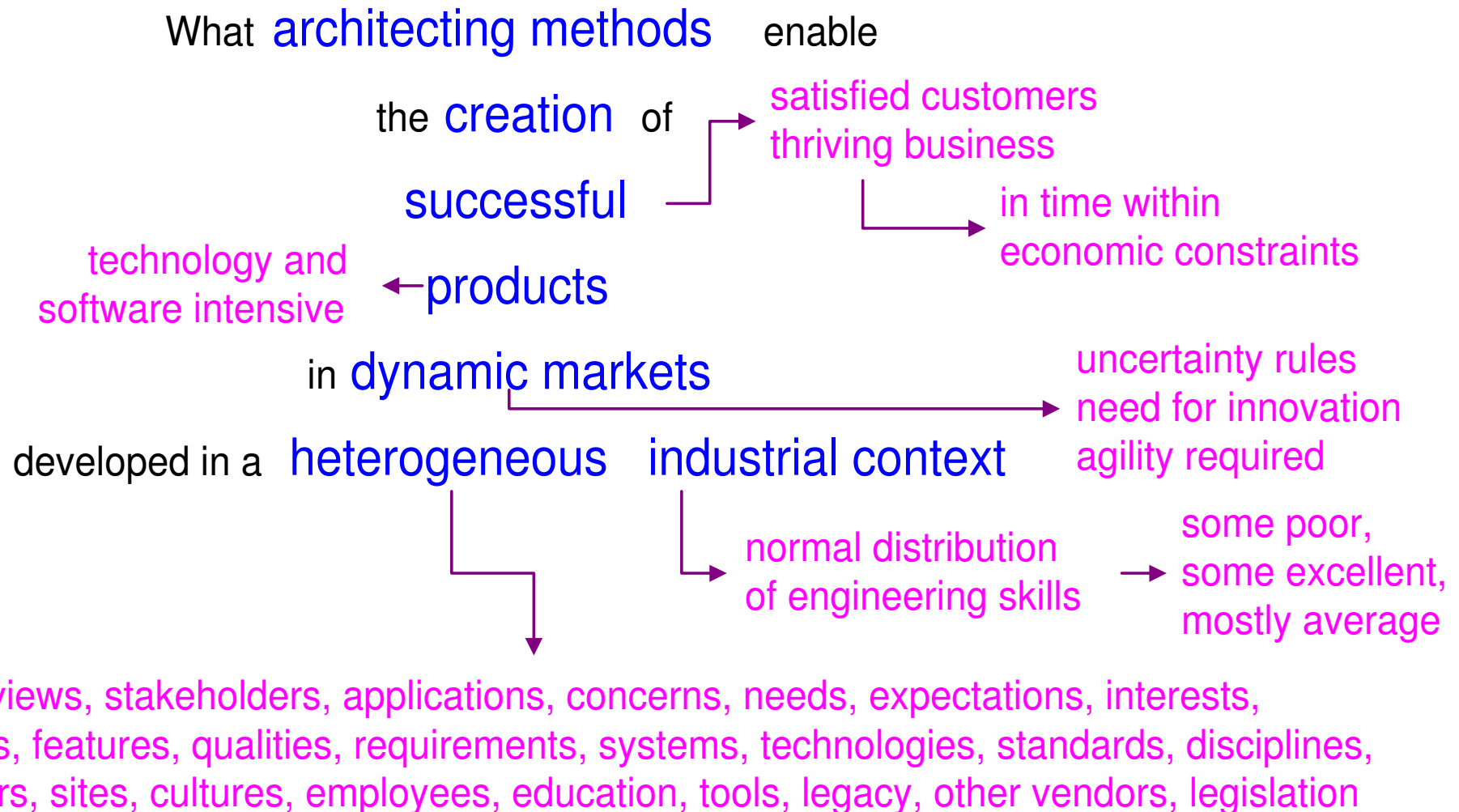
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research question	What architecting methods enable the creation of successful products in dynamic markets developed in a heterogeneous industrial context
hypothesis	A rich collection of submethods fitting in a multi-view framework complemented with 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">1. product is a commercial success2. product family is sustainable commercially successful3. architect benefits from deploying submethods4. project leaders, product managers and engineers are able to use the outcome of the submethods

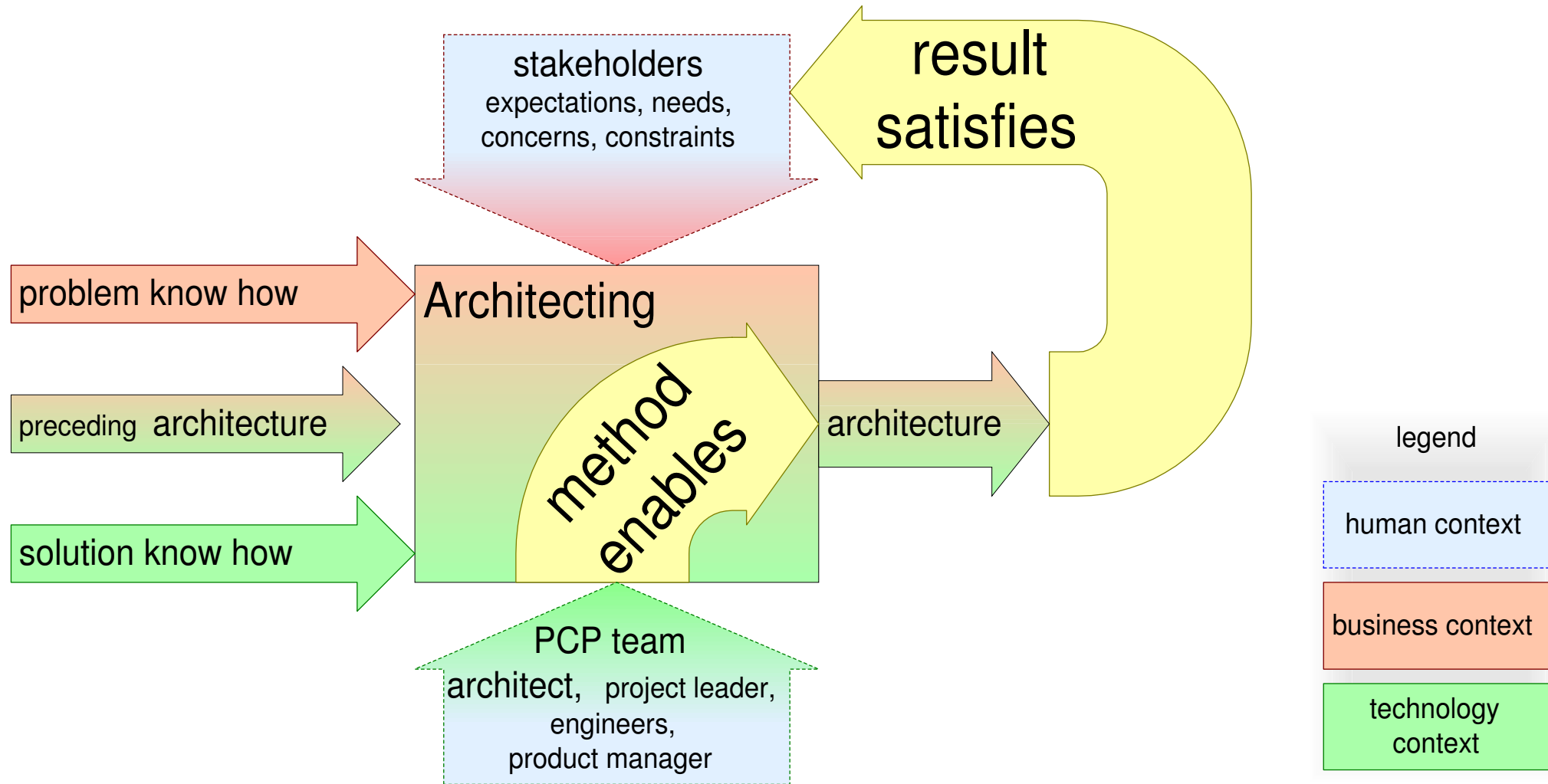
Research question



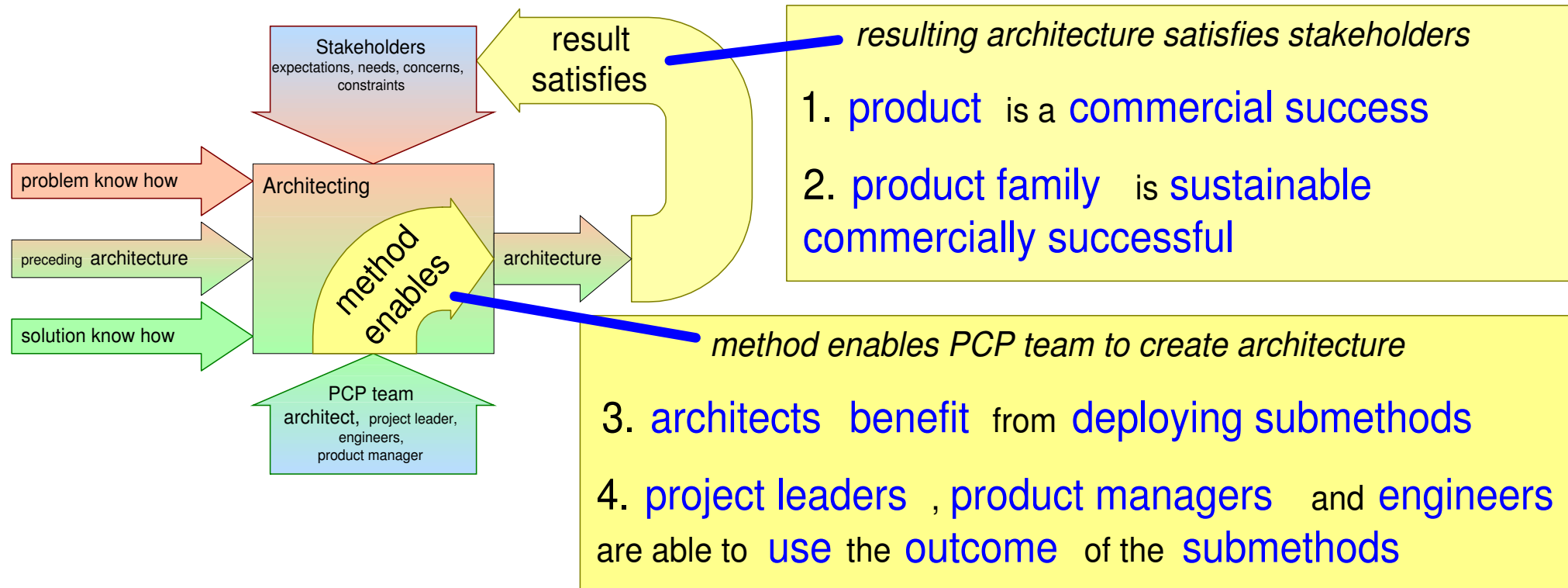
Hypothesis

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**