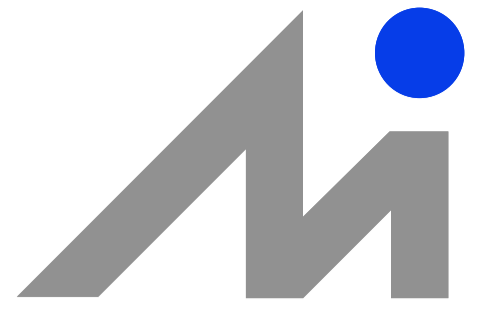


DEVELOPMENT OF THE AUTOGENETIC DESIGN THEORY



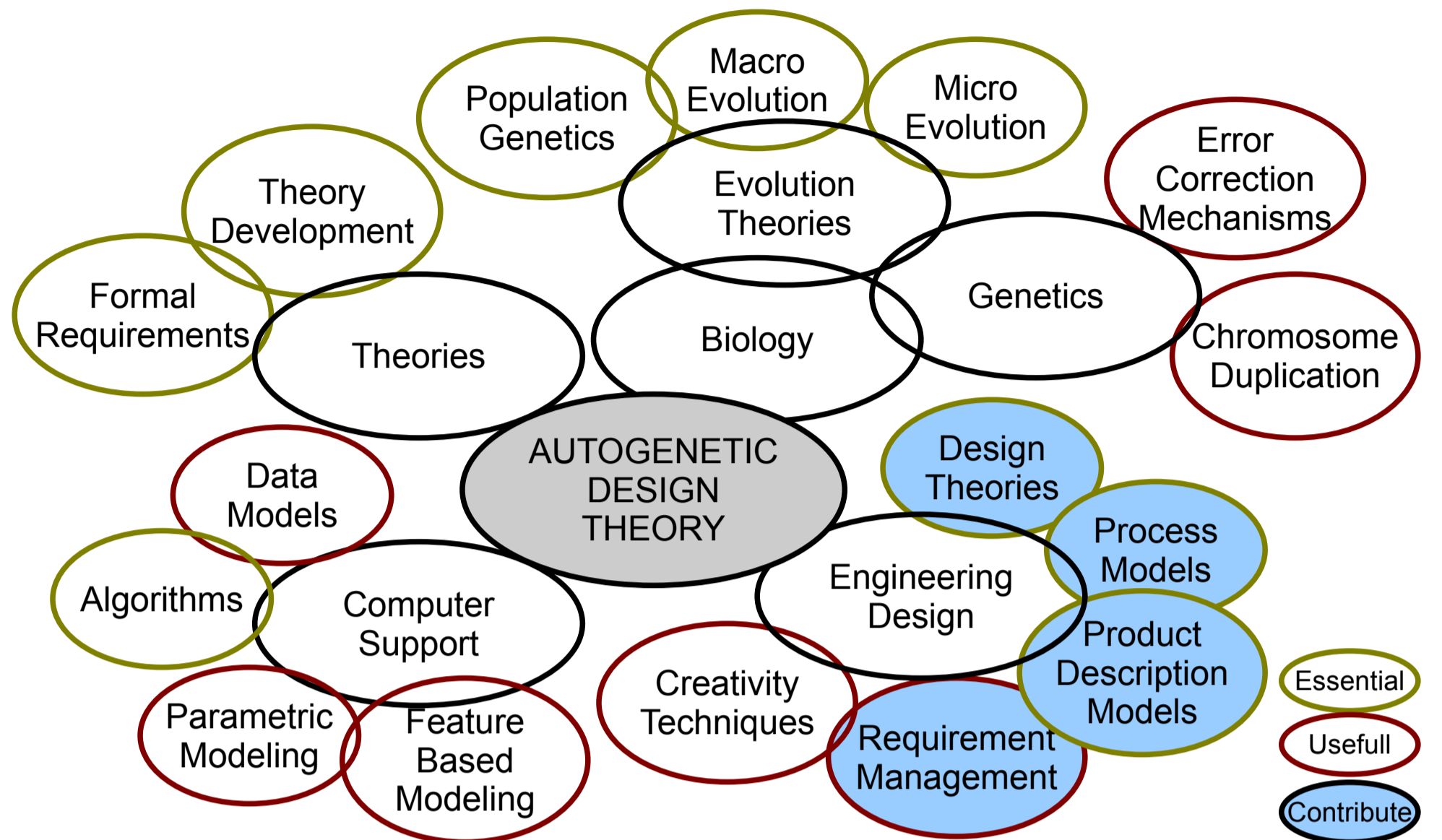
Research Questions

What does a product development process look like, which supports the generation of new kind of solutions / products?

What is an adequate form to save and structure all relevant product information for the above product development process?

What properties needs a solution space, to contain all valid solutions according to the requirements?

How can the level of requirement fulfillment be determined permanently during the development process?



Hypothesis

Evolution is a process, which threats new solutions „impartial“ and therefore evolutionary based methods are suitable to force new kind of solutions.

Research Approach

Literature analysis in the field of biological evolution and product development.

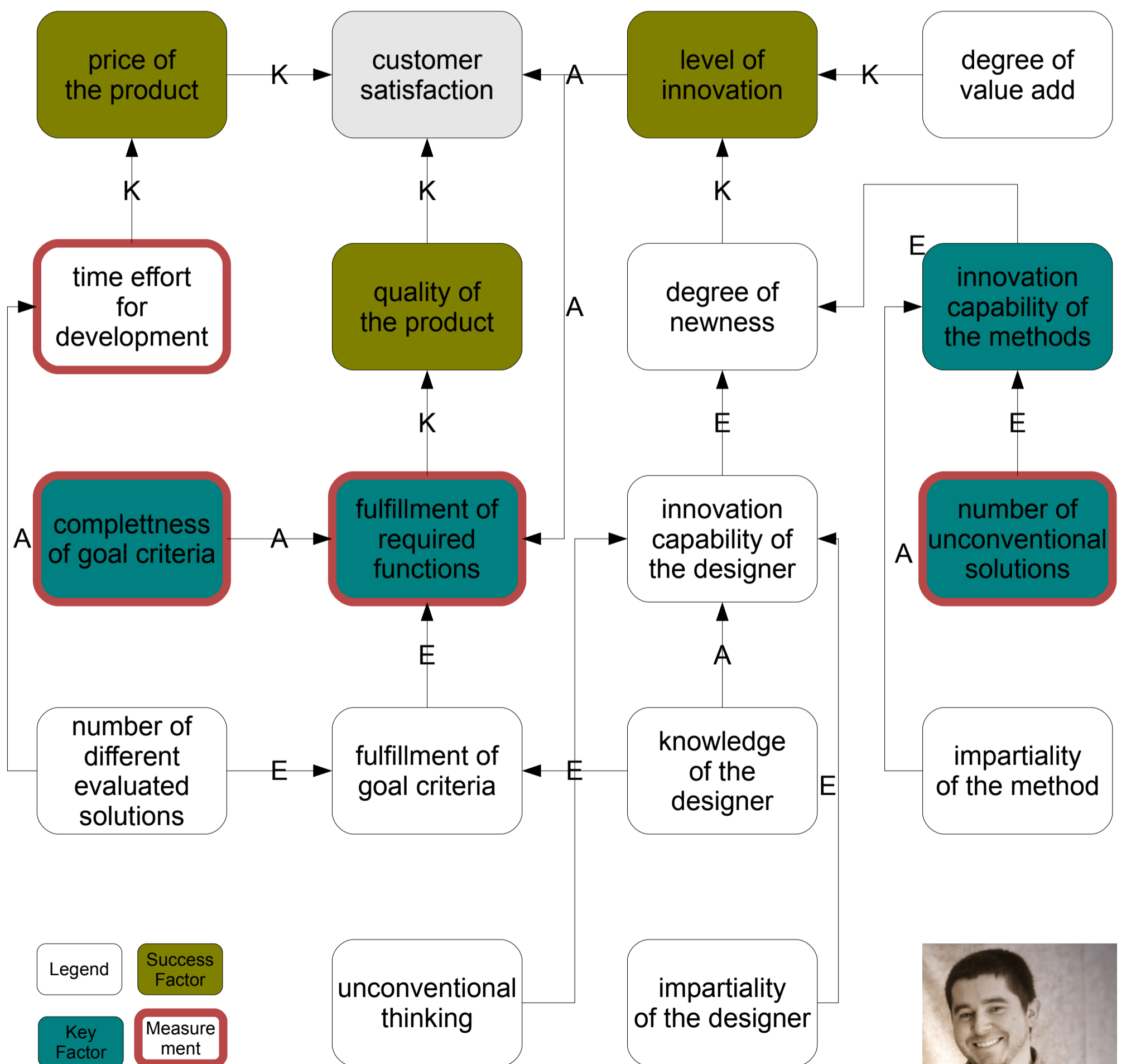
Define a method to describe/save all relevant product information within a single description model.

Describe the solution space of an evolutionary product development.

Combine all further work to develop a process model for the design theory.

Expected Results

A general method for the development of products [based on analogies to biological evolution], with the aim to develop better and more innovative products.



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