



TRAINING OF METHODOLOGICAL COMPETENCE

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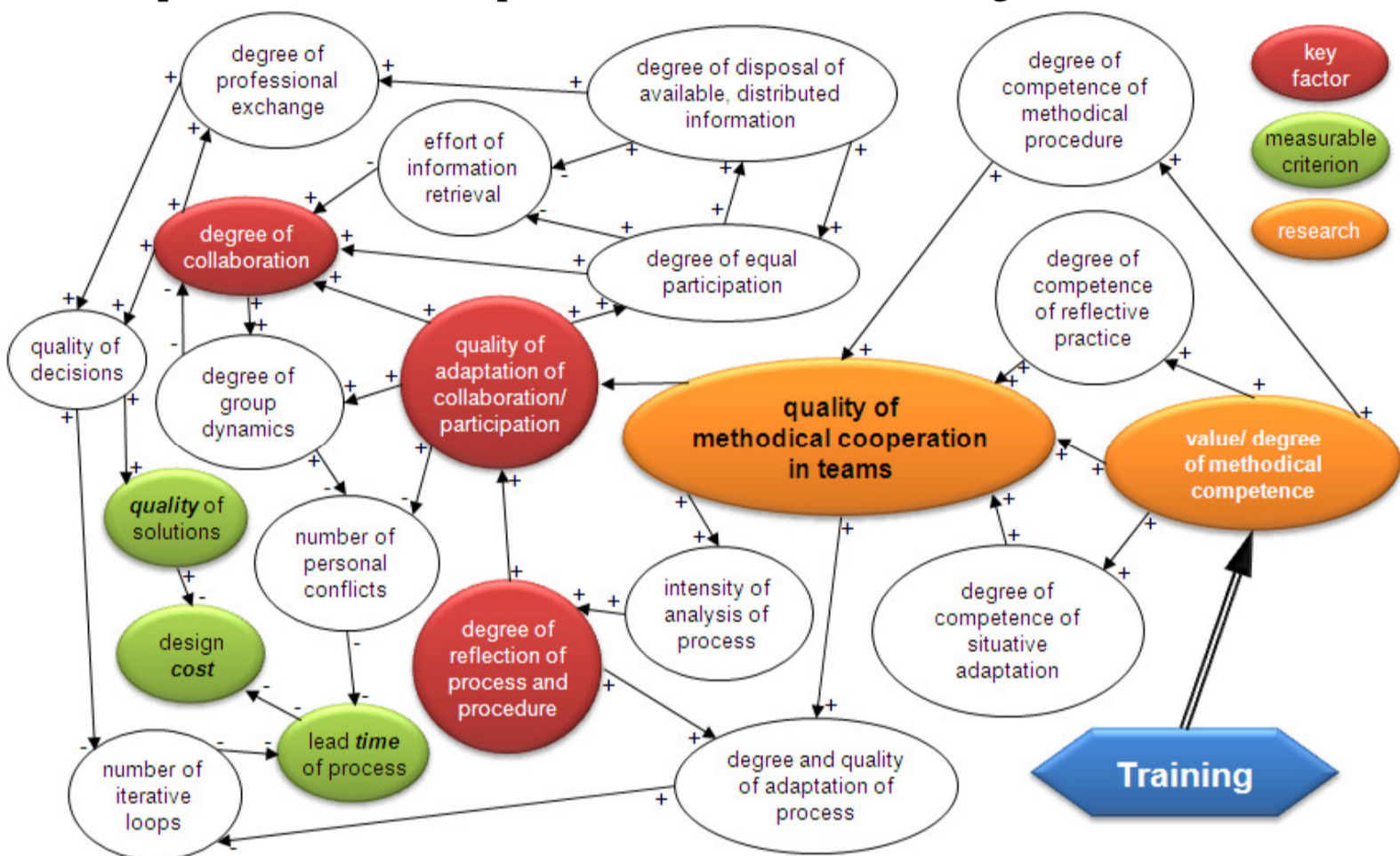
product development
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background/problem statement

A lot of work has been done – and is still going on – in the field of cognitive psychology and collaboration in design teams. Existing studies show great deficits in teamwork and procedure in designing.

We claim, that in appropriate events design teams can be trained to continuously analyze and reflect their procedure and collaboration and ensuing adapt their procedure.

This in the end leads to a better quality of solutions and a shorter lead time of process, what is equivalent to decreased design cost.



goals and research questions/hypotheses

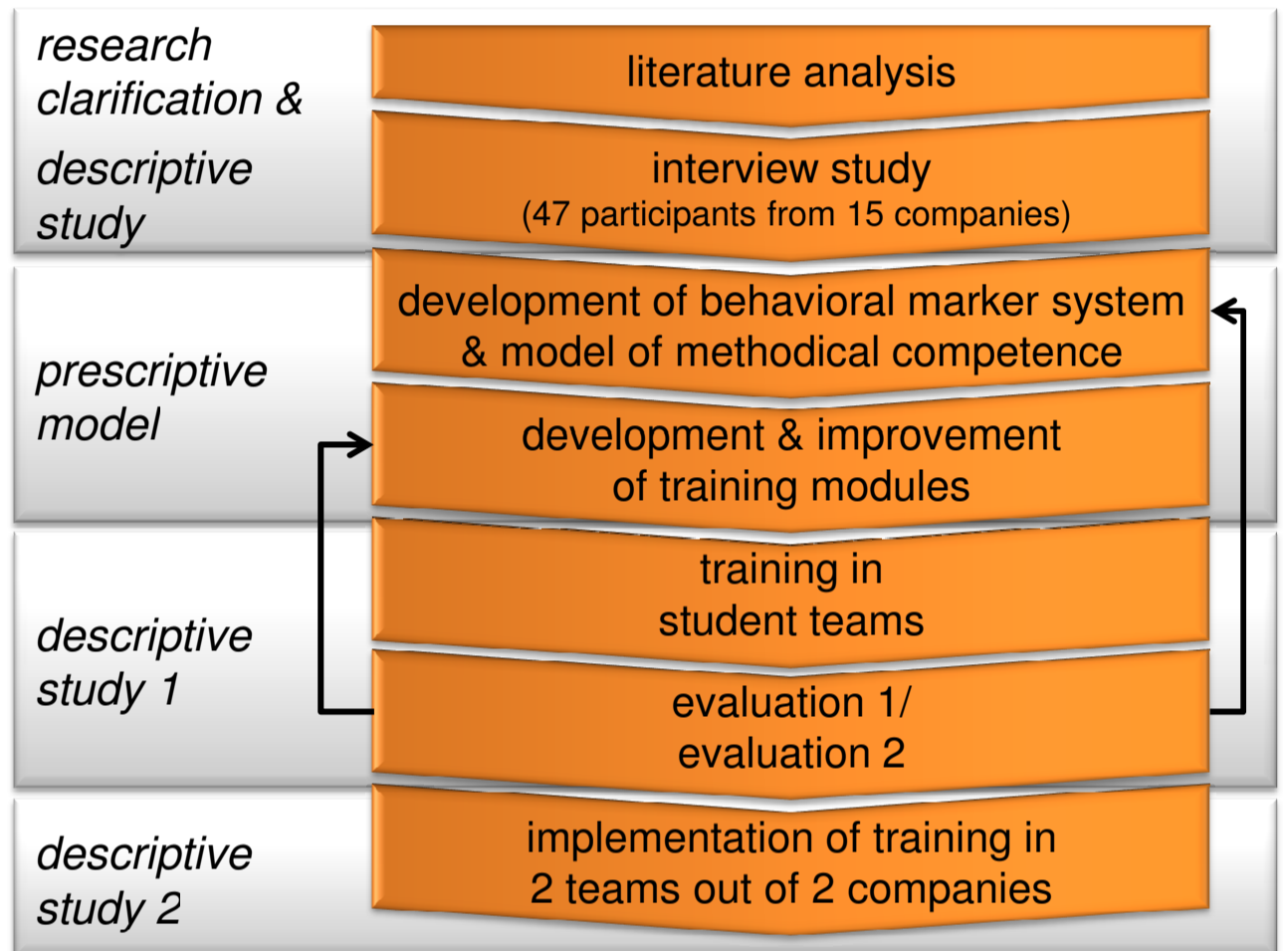
With our research we want to *improve the flow and the outcome of design processes* when run through by teams.

Tackling our research question *“What helps design teams in mastering the design process?”* we raised several hypotheses, such as:

HP1: “Methodical competence supports design teams!”

HP2: “Methodical competence can be trained!”

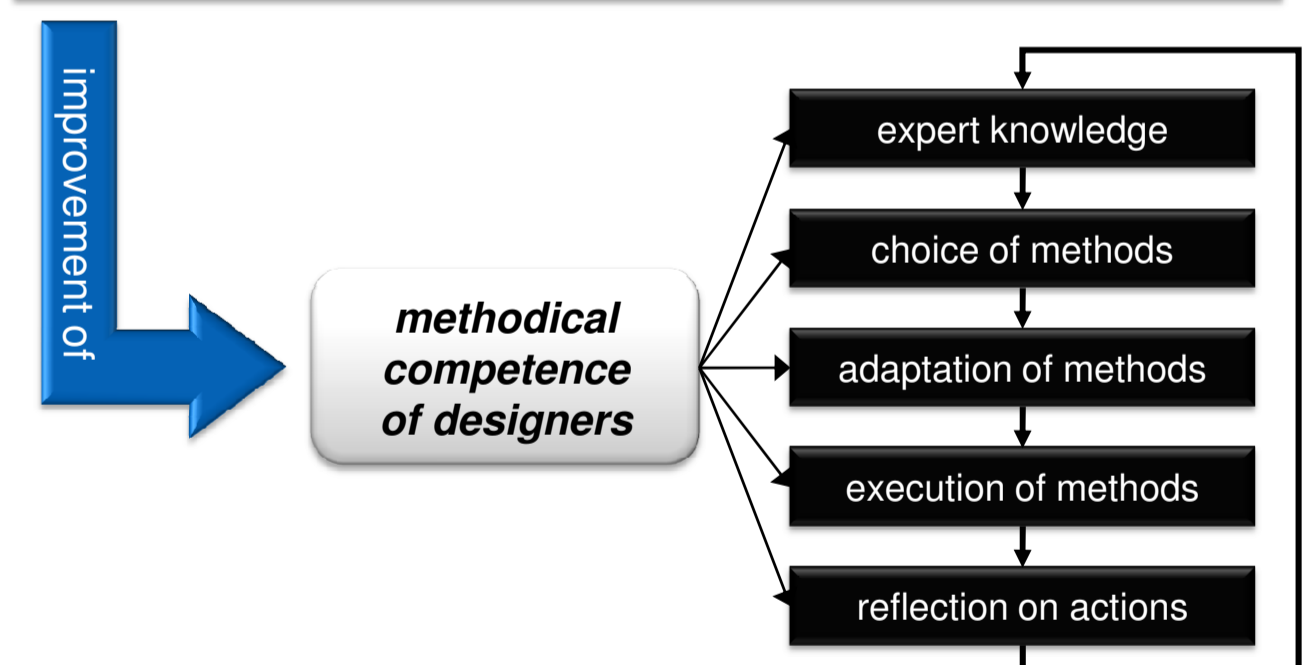
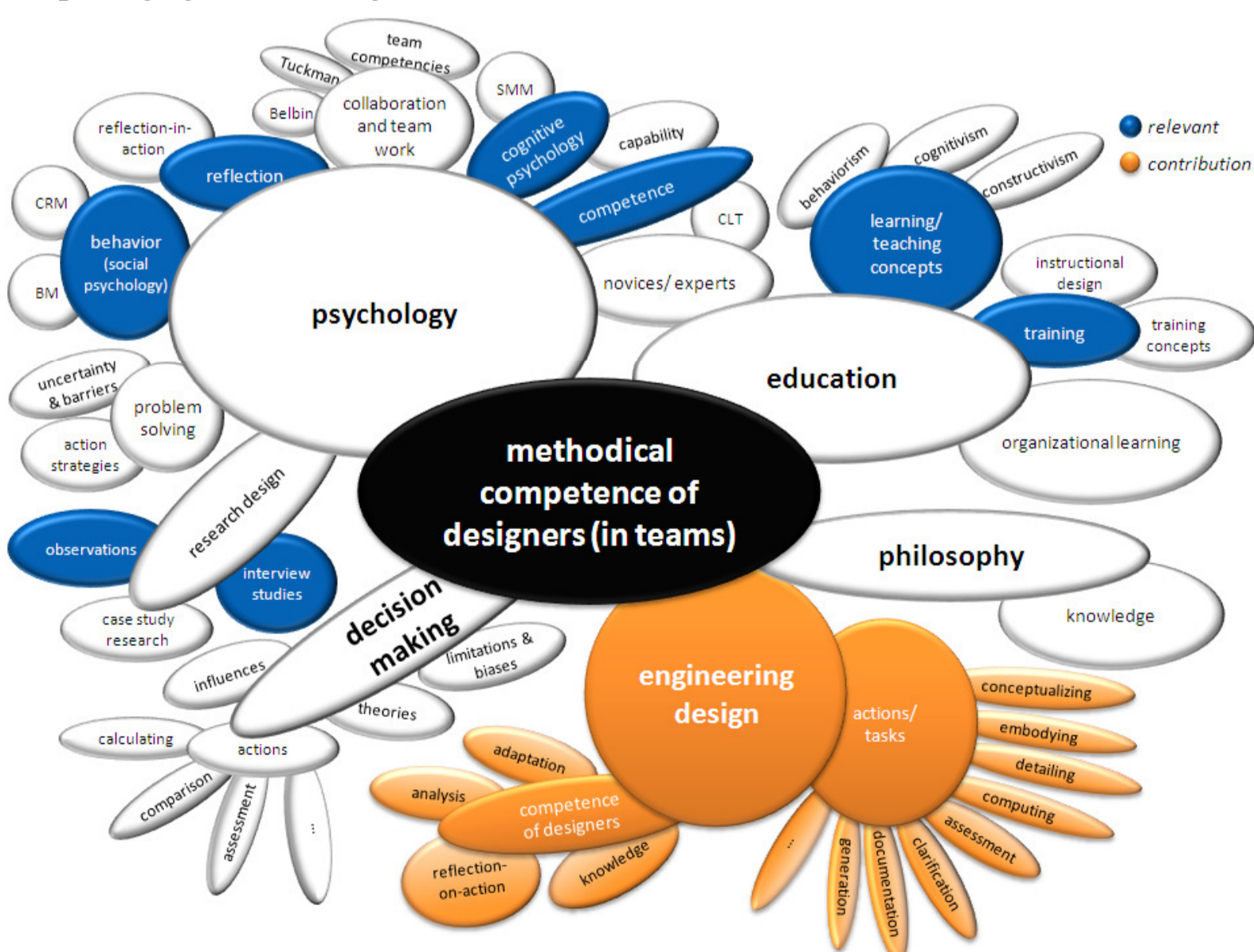
research approach



theoretical foundation

For our scientific work, several items out of several different areas are of relevance.

Considering the nature of teams, teamwork and the properties of involved individuals (such as competence, problem solving capability, etc.), it is important to apply the discoveries and knowledge of psychologists, whereas important information on trainings mainly base on educational or pedagogical findings.



expected results

- support of interactive actions and cooperation
- support of analysis, reflection and adaptation of processes & projects
- support of execution of methods and passing through problem solving processes

And thus:

- better quality of by teams developed solutions/products
- more quick and efficient running through design processes by reduction of iterative loops and intrateam conflicts
- reduction of design cost

