



Harnessing Theory in the Service of Engineering Education Research

Arnold Pears, Neena Thota, Anders Berglund

Department of Information Technology

Uppsala University

Sweden

Päivi Kinnunen

University of Eastern Finland

Finland

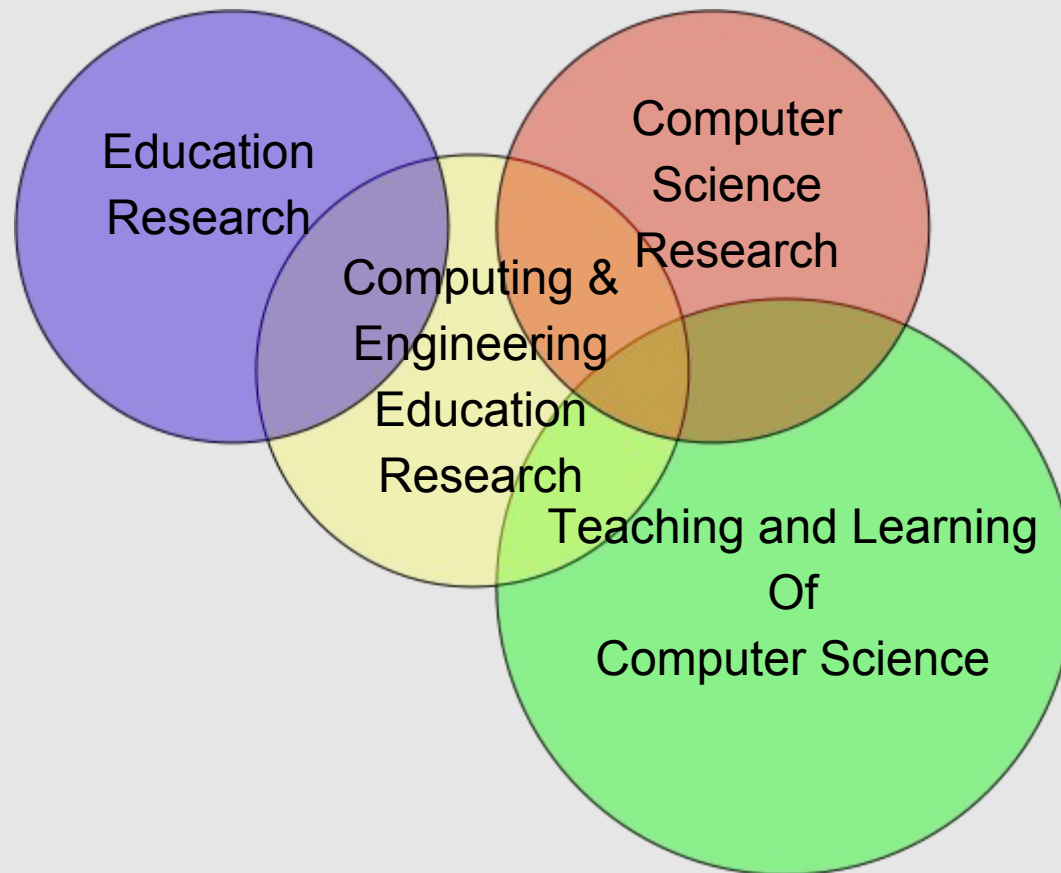


Agenda

- Goals and structure of empirical study
- Role of theory in systematic investigation
- Discussion



What are we doing?





What is the goal

Introspection

Scholarly discourse



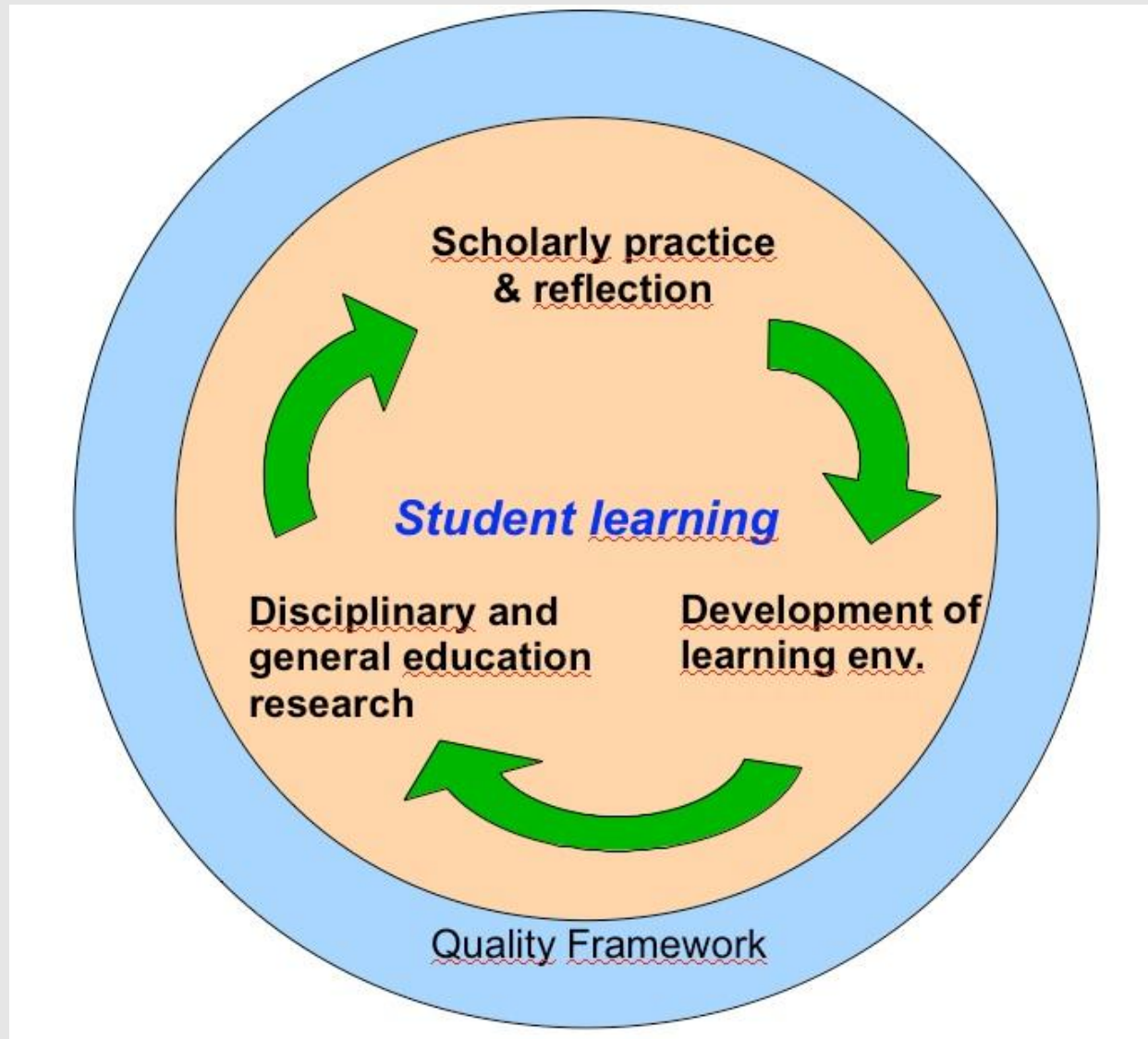
Teaching Practice in our Discipline

Intuition

Evidence

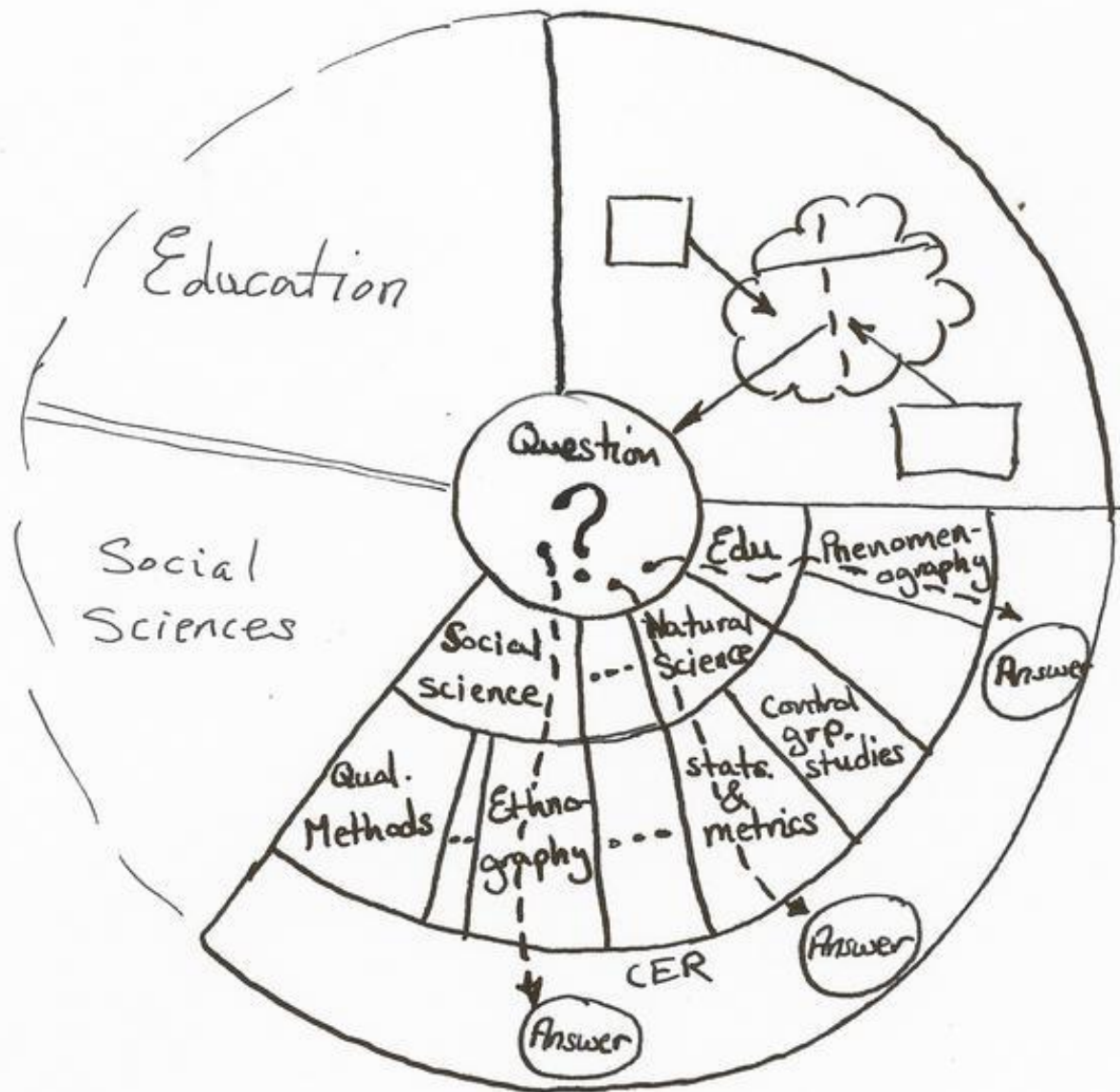


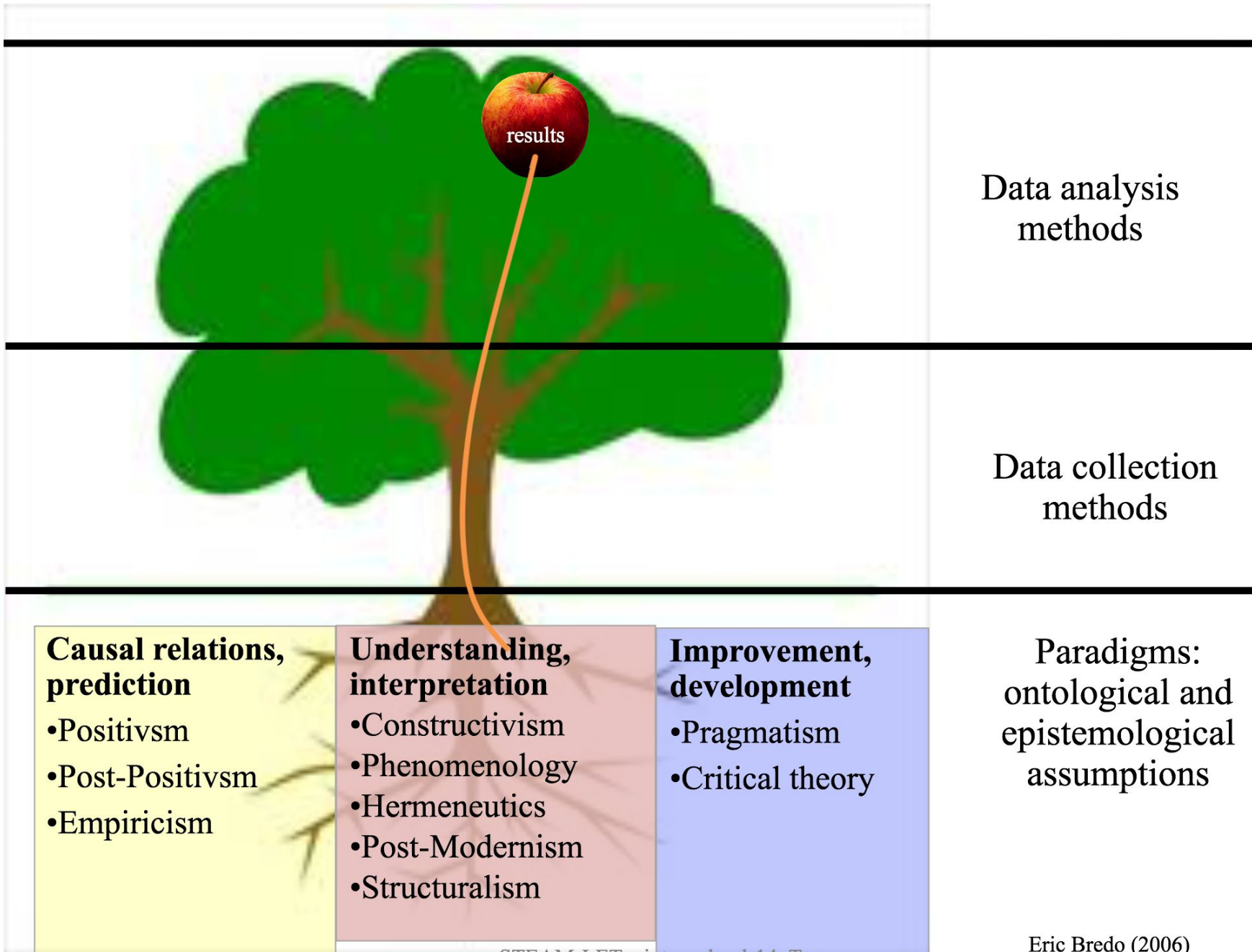
Critical Aspects of CER





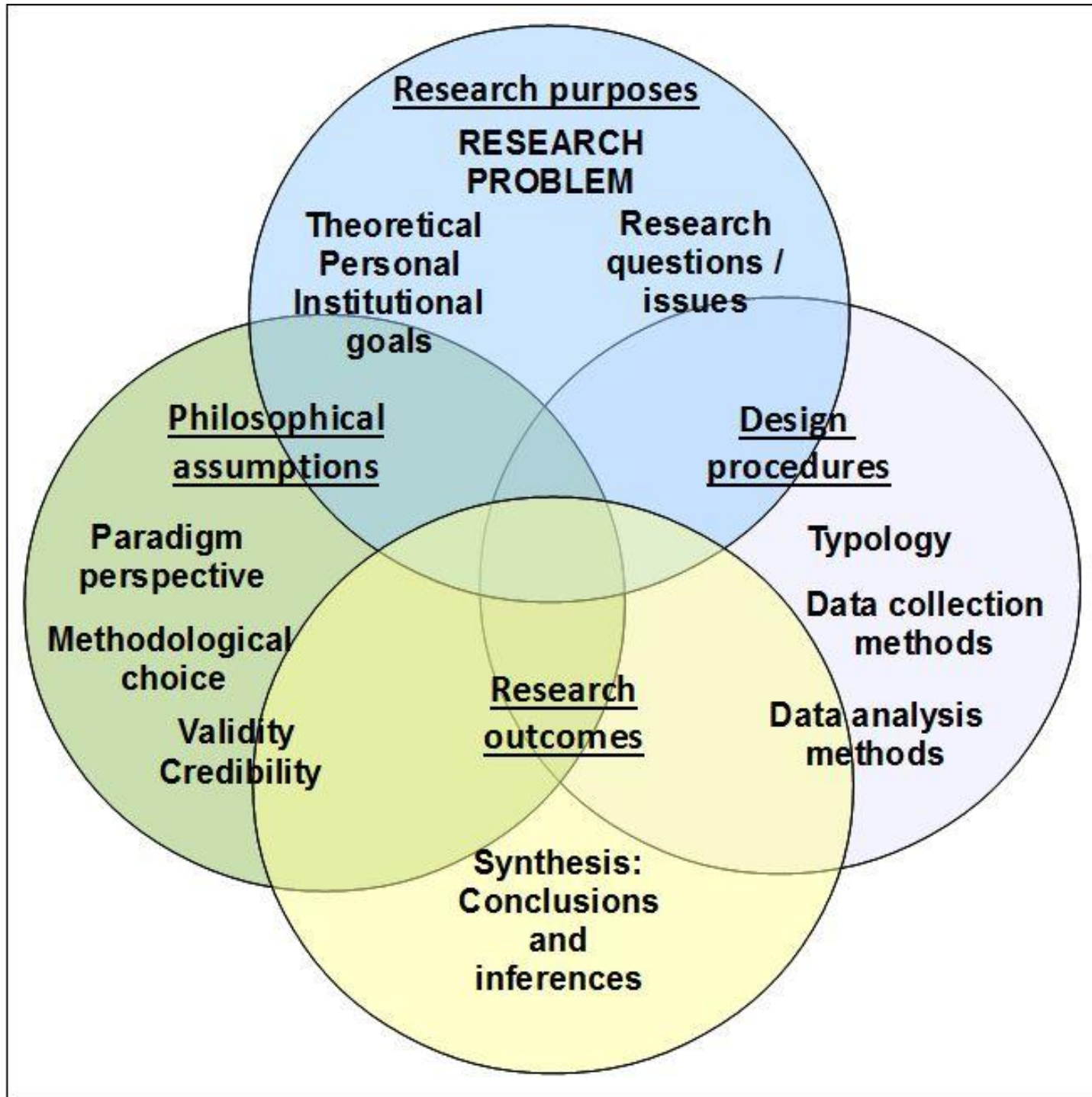
How?





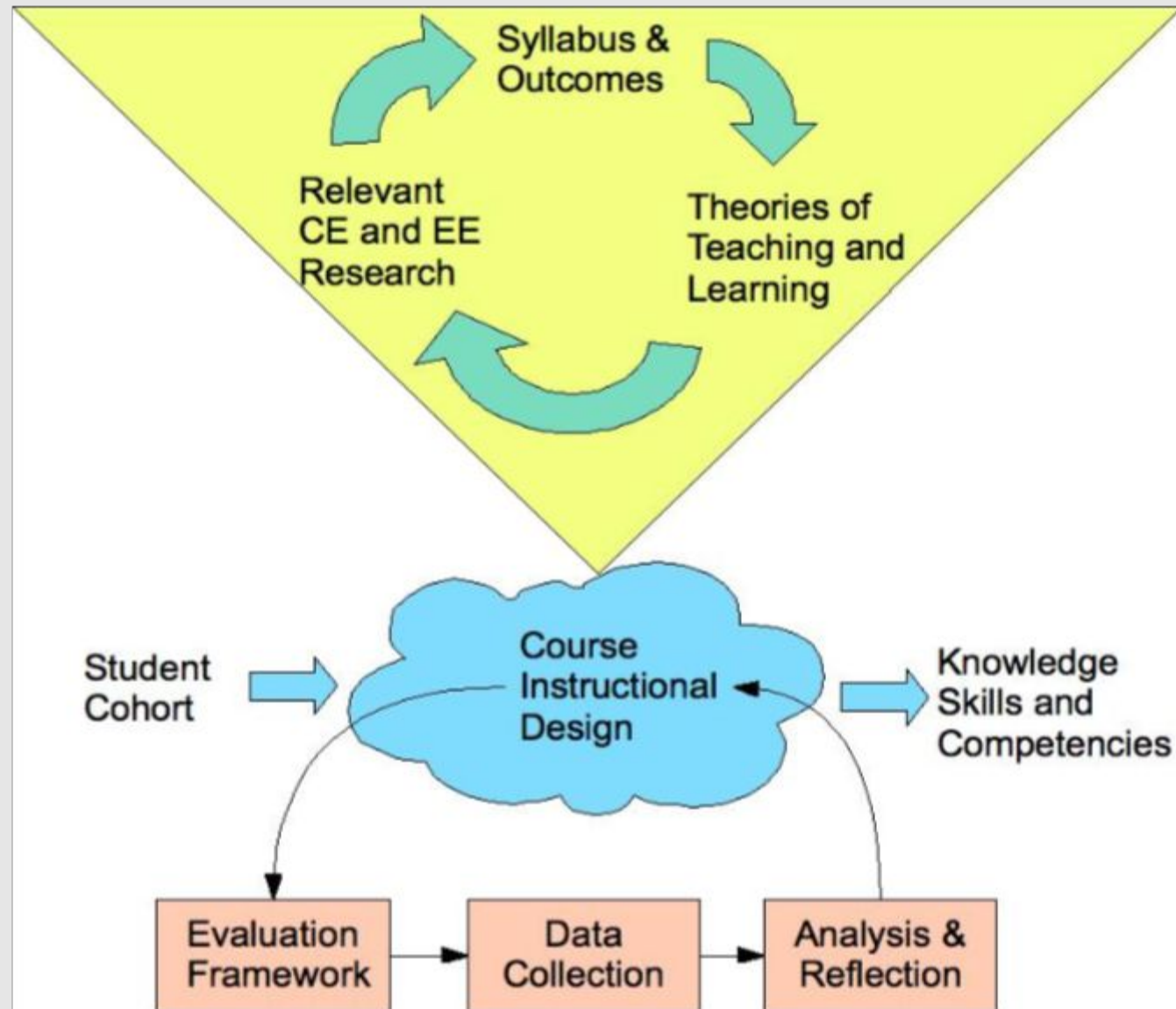
STEAM-LET winter school-14, Tampere

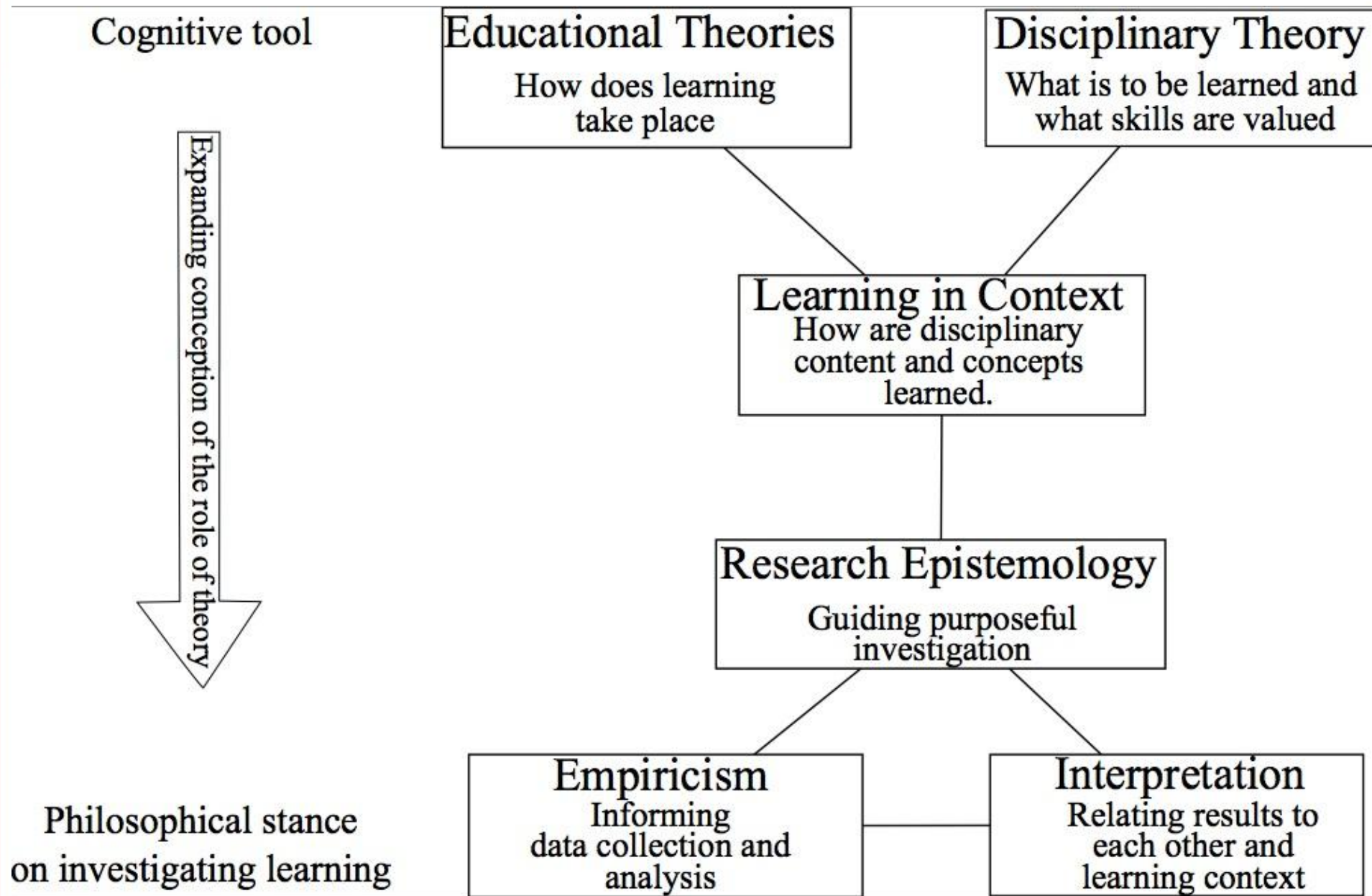
Eric Bredo (2006)





Crafting a CER Study







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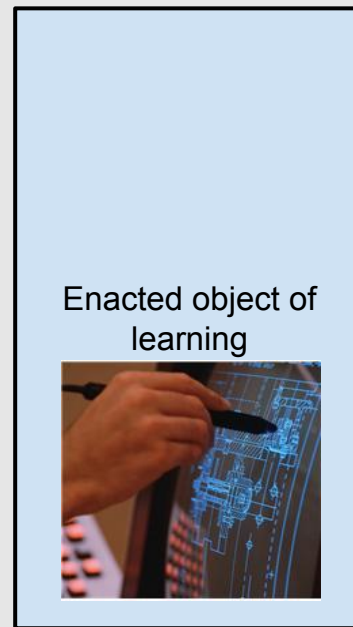
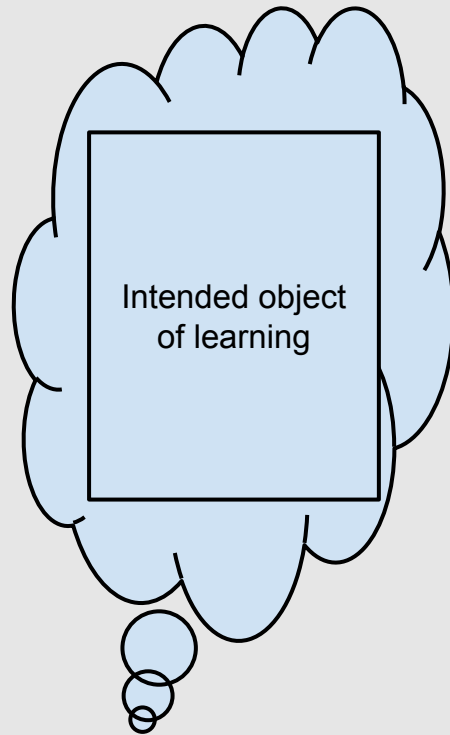
Informationsteknologi

Questions and Discussion

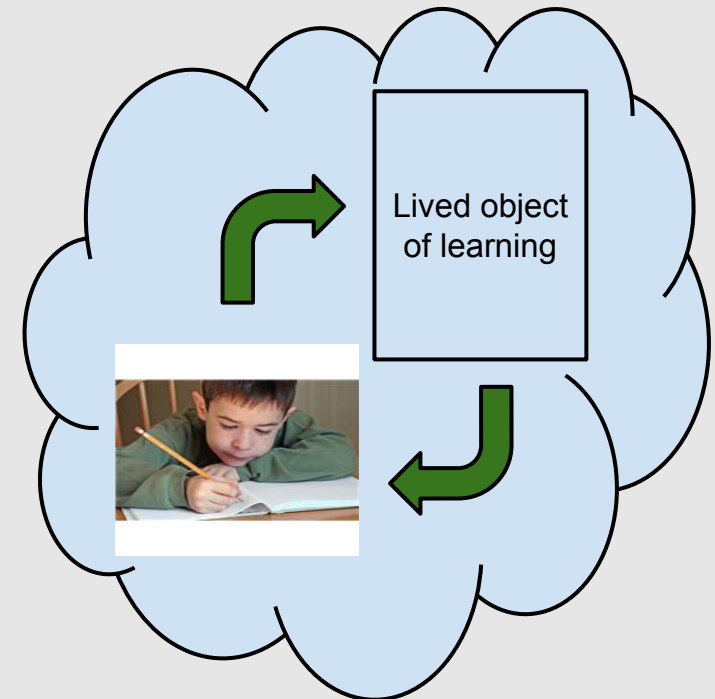
Thanks for your attention!



Application

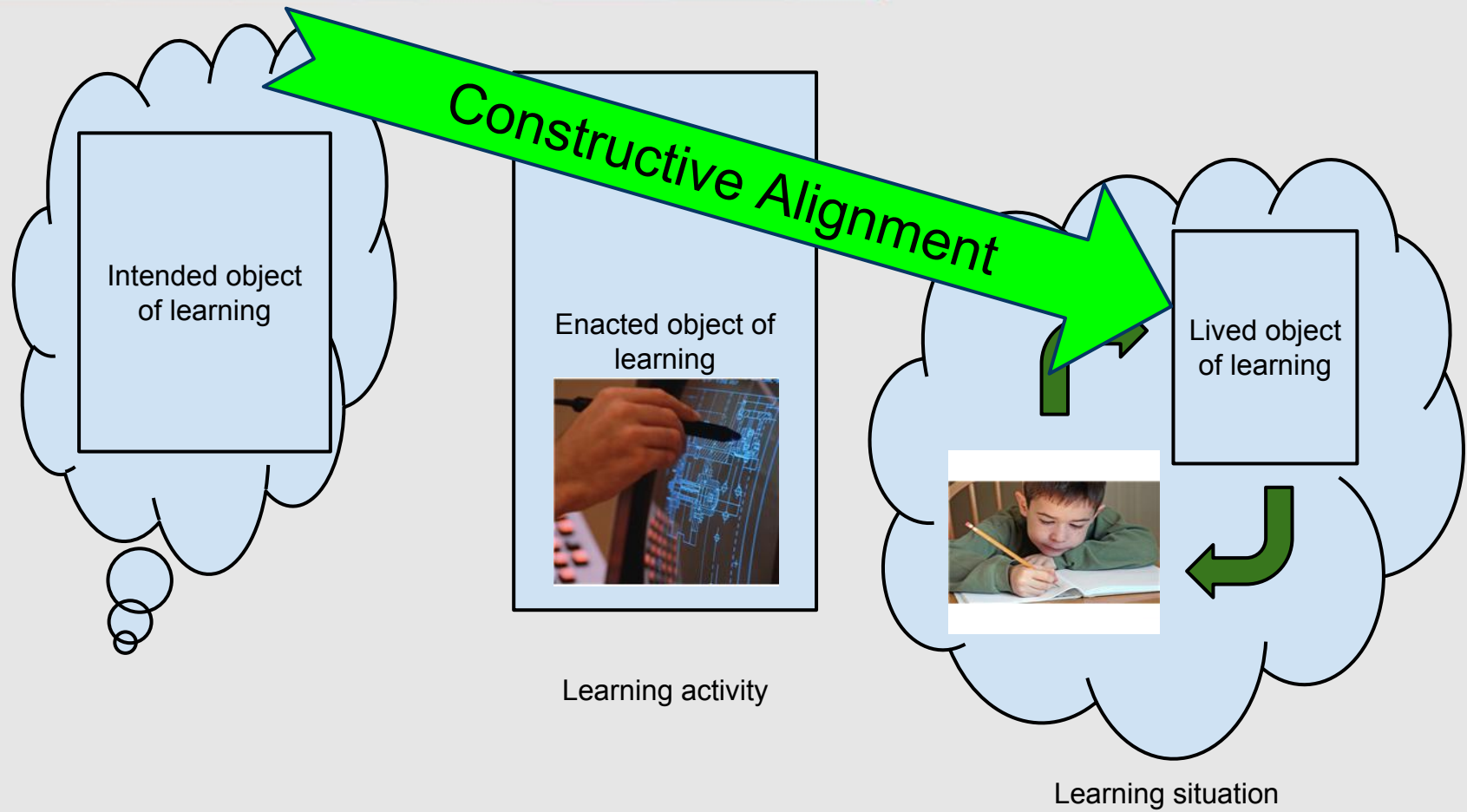


Learning activity



Learning situation

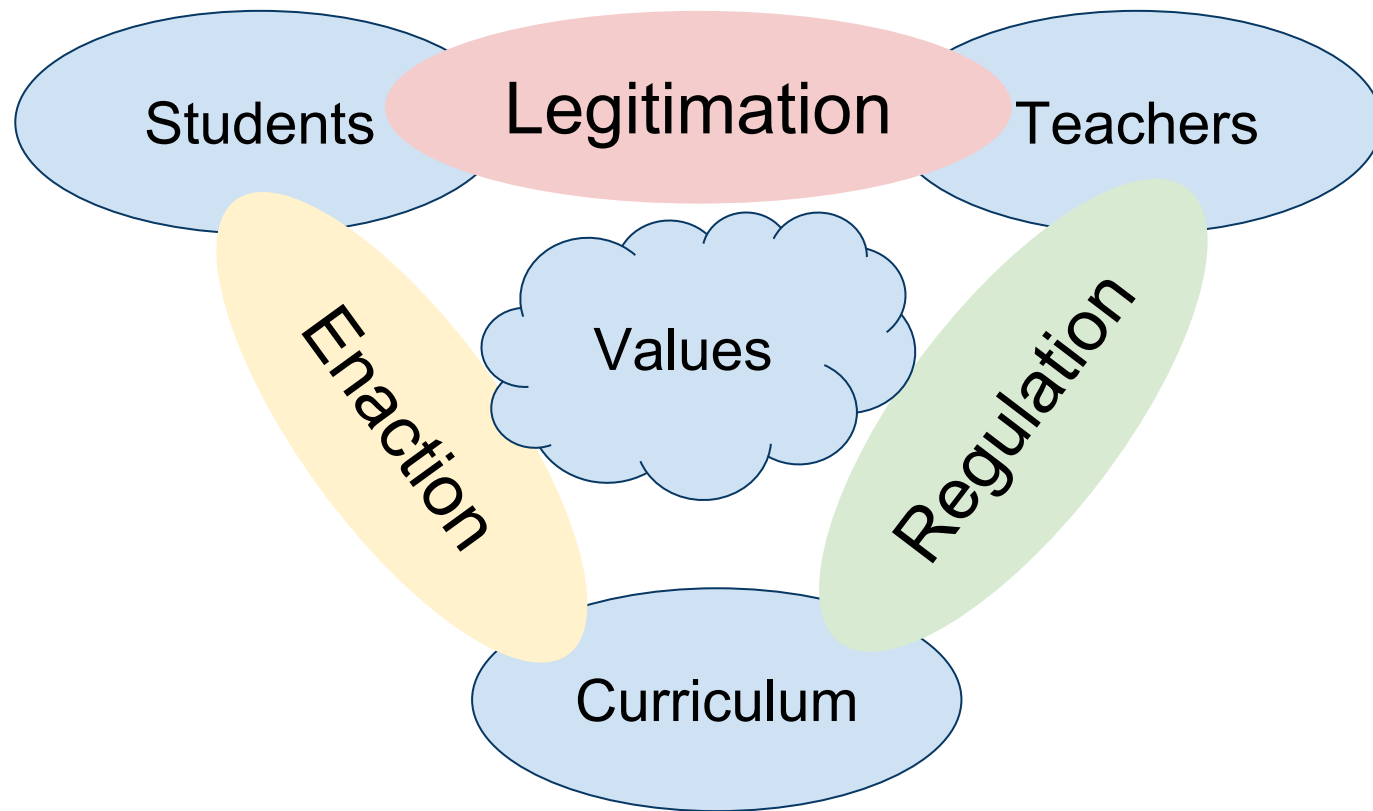
Course and curriculum design



Course and curriculum design

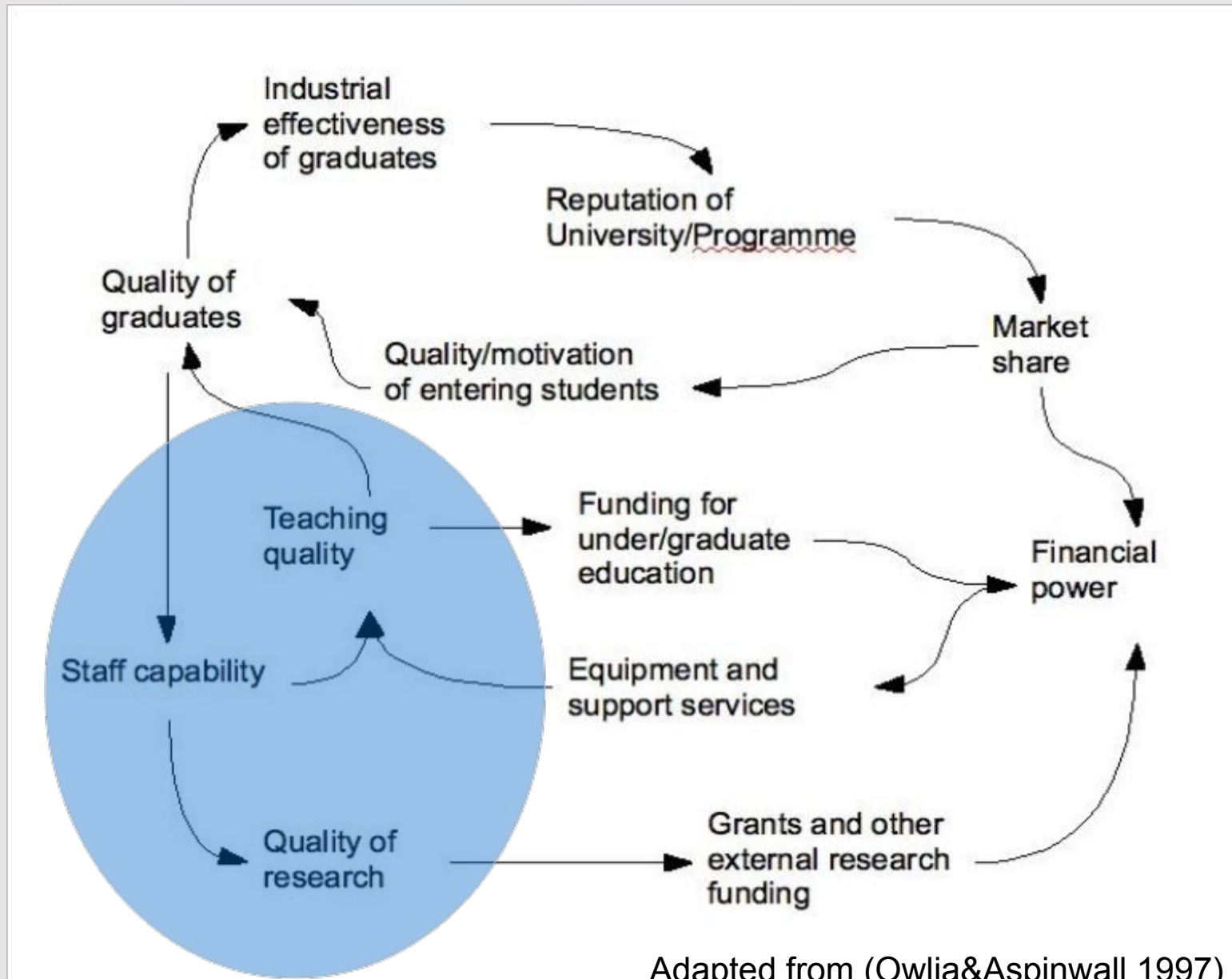


An Example





Why? Quality and Sustainability?



Adapted from (Owlia&Aspinwall 1997)