



Harnessing Theory in the Service of Engineering Education Research

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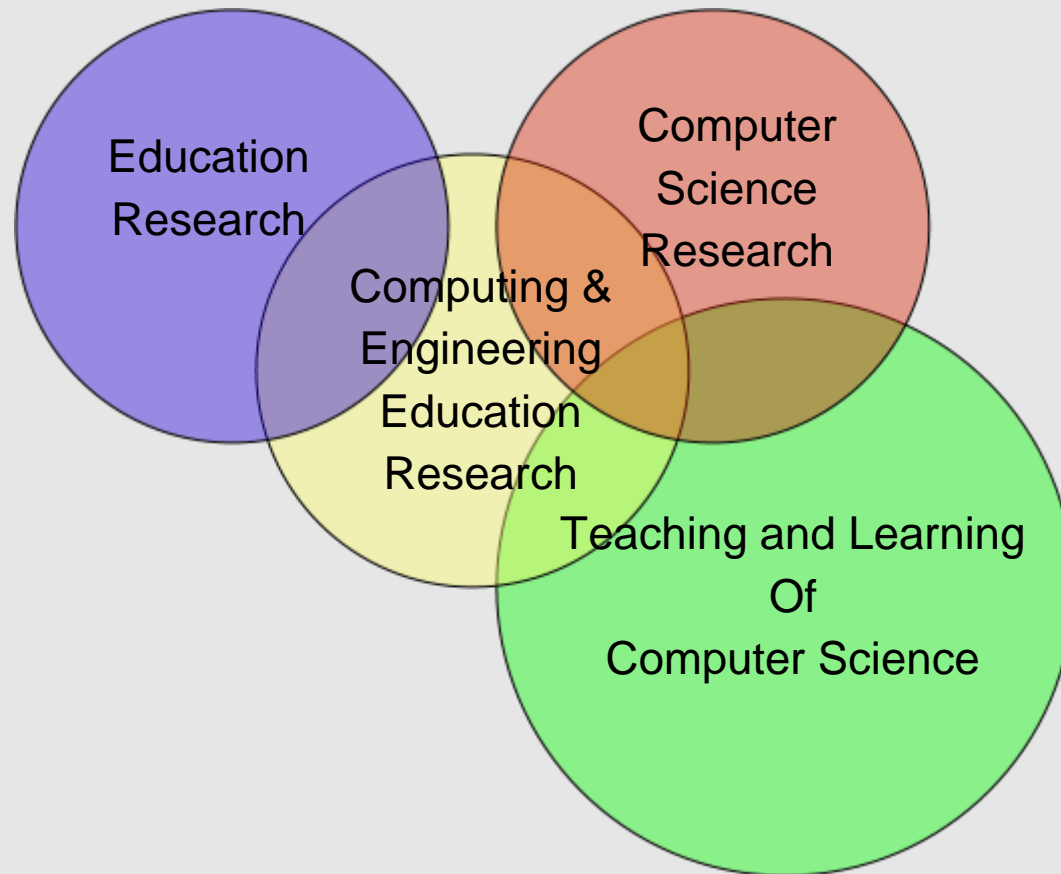


Agenda

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



What are we doing?

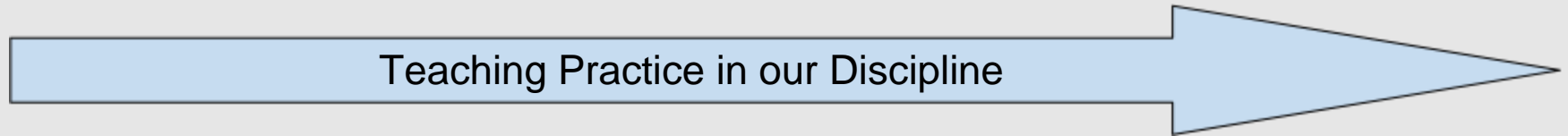




What is the goal

Introspection

Scholarly discourse

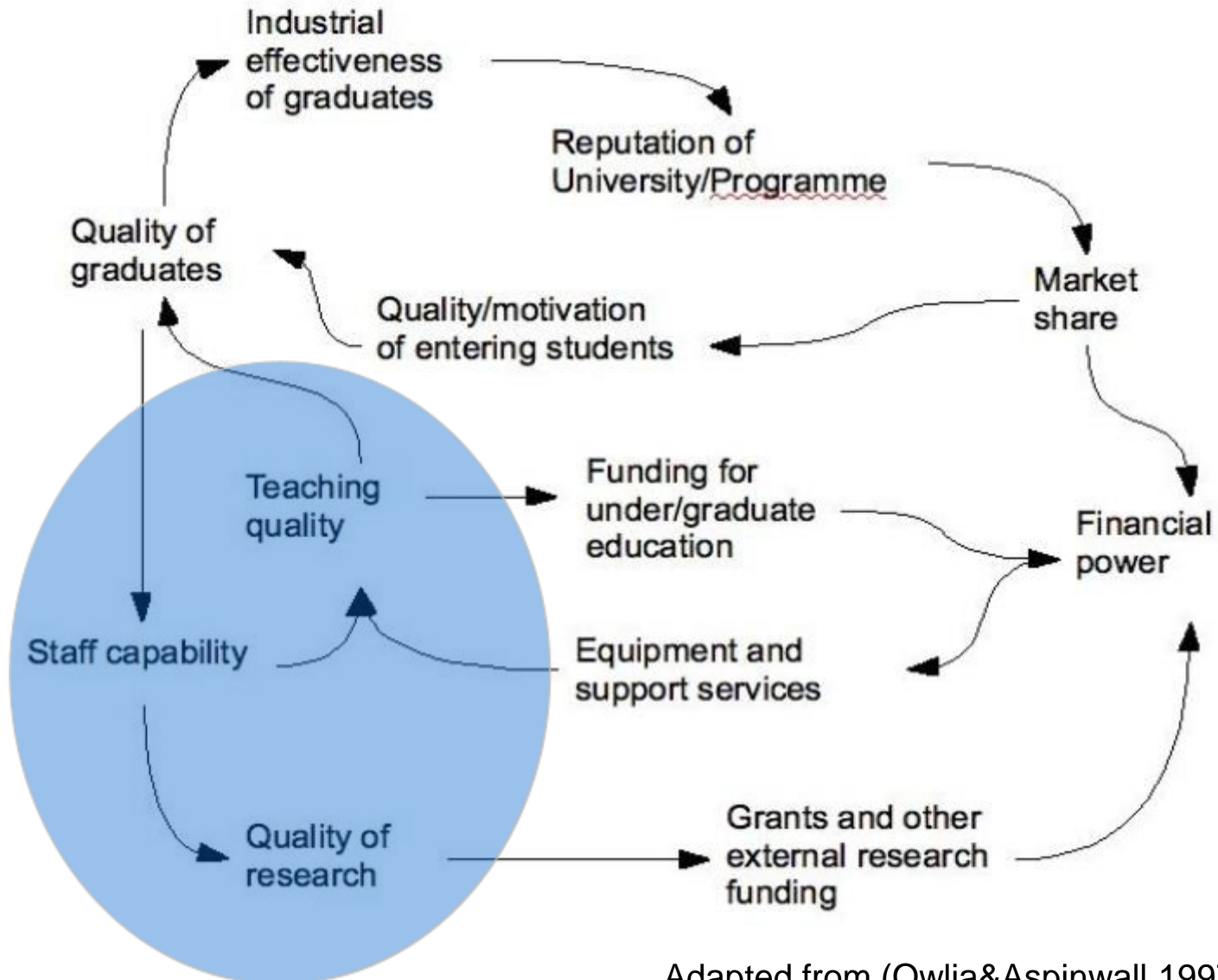


Intuition

Evidence



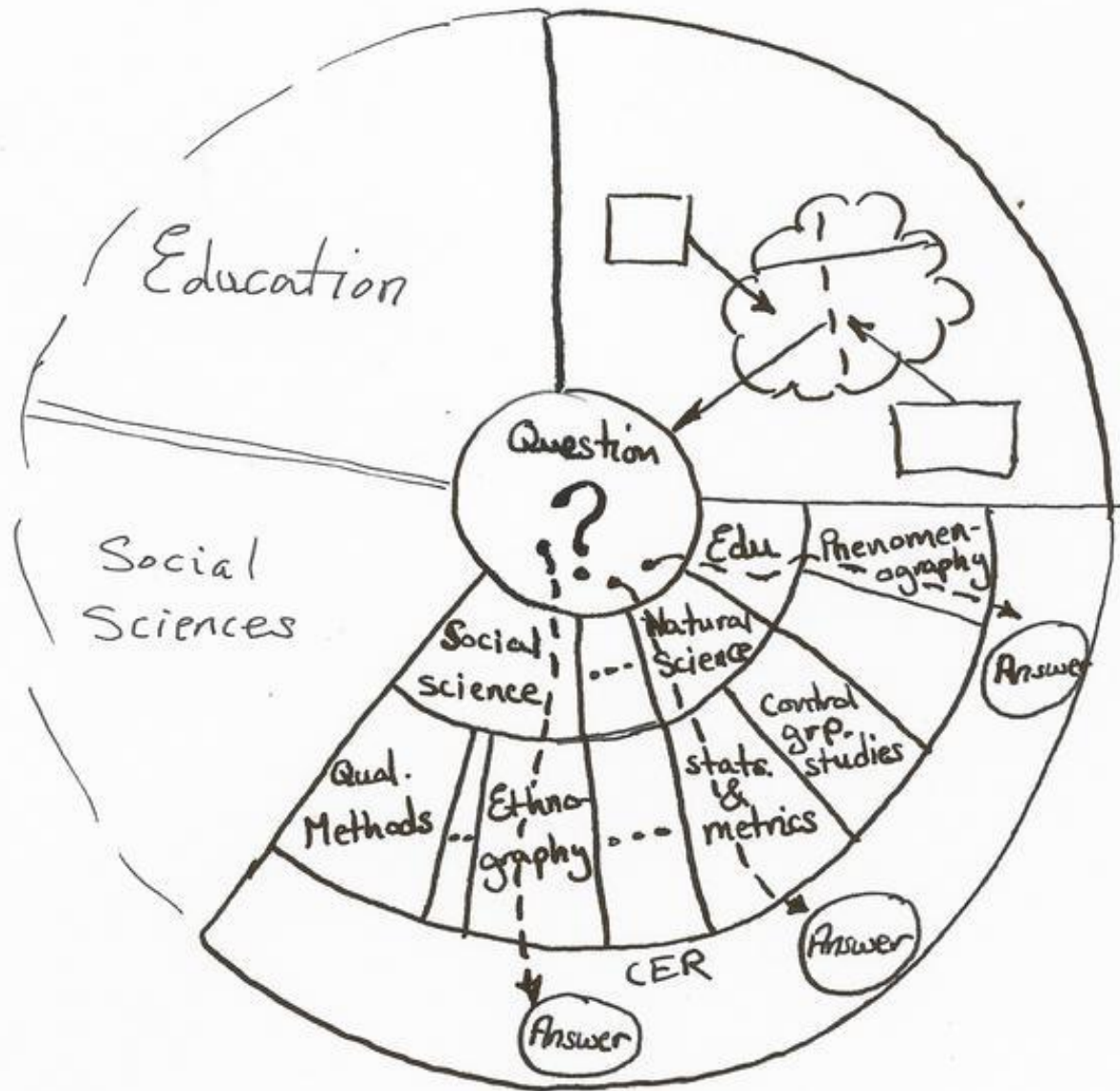
Why? Quality and Sustainability?

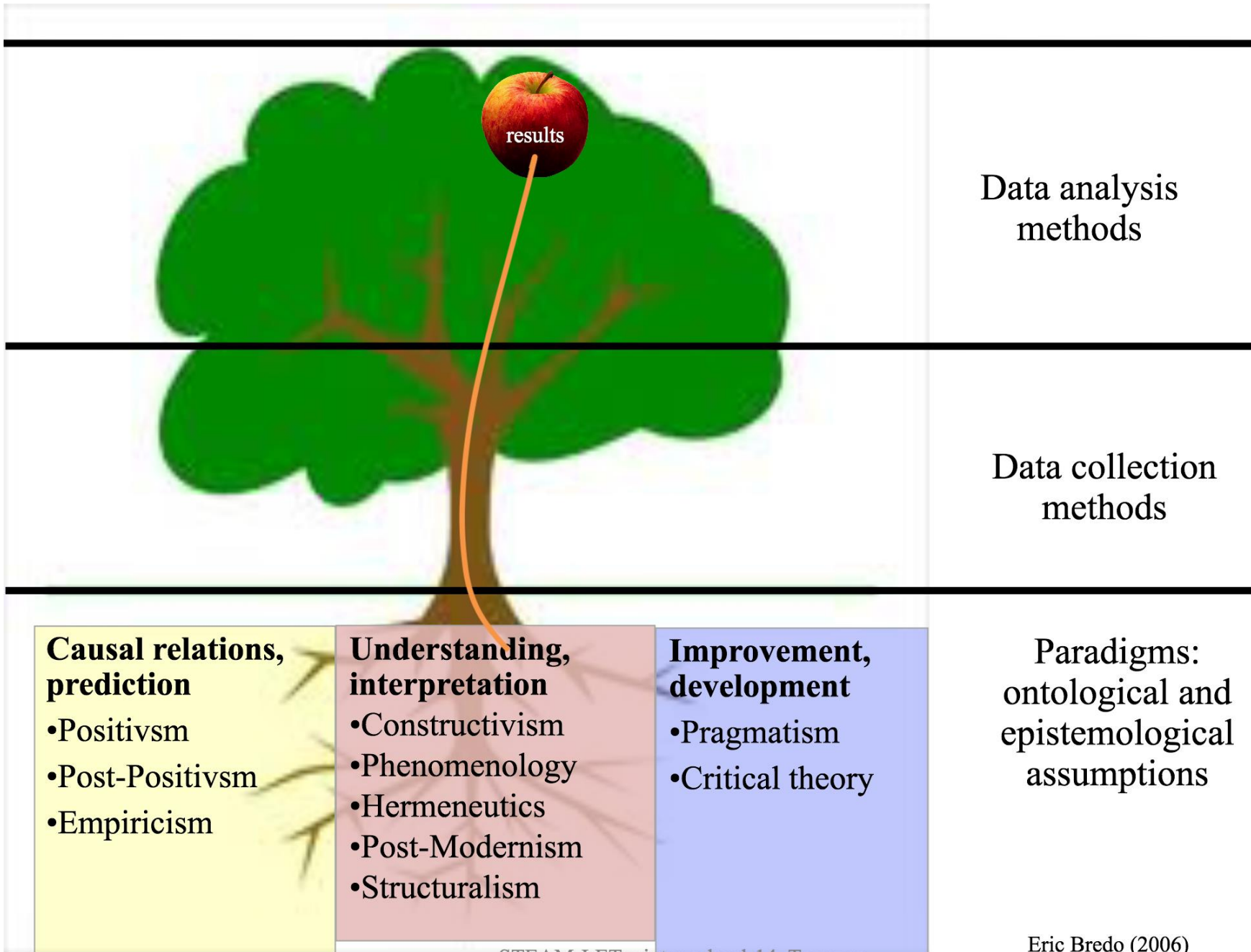


Adapted from (Owlia&Aspinwall 1997)

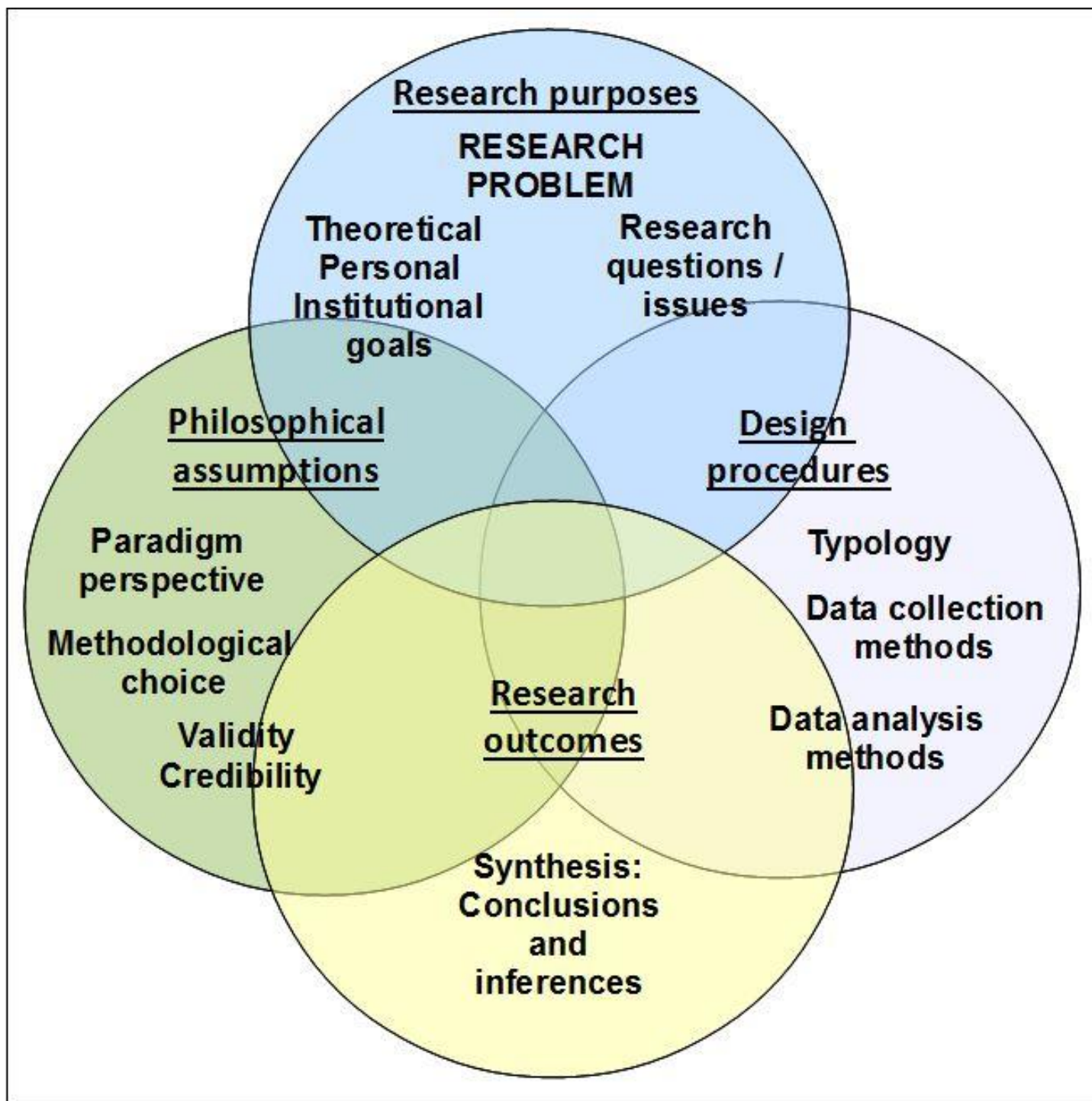


How?



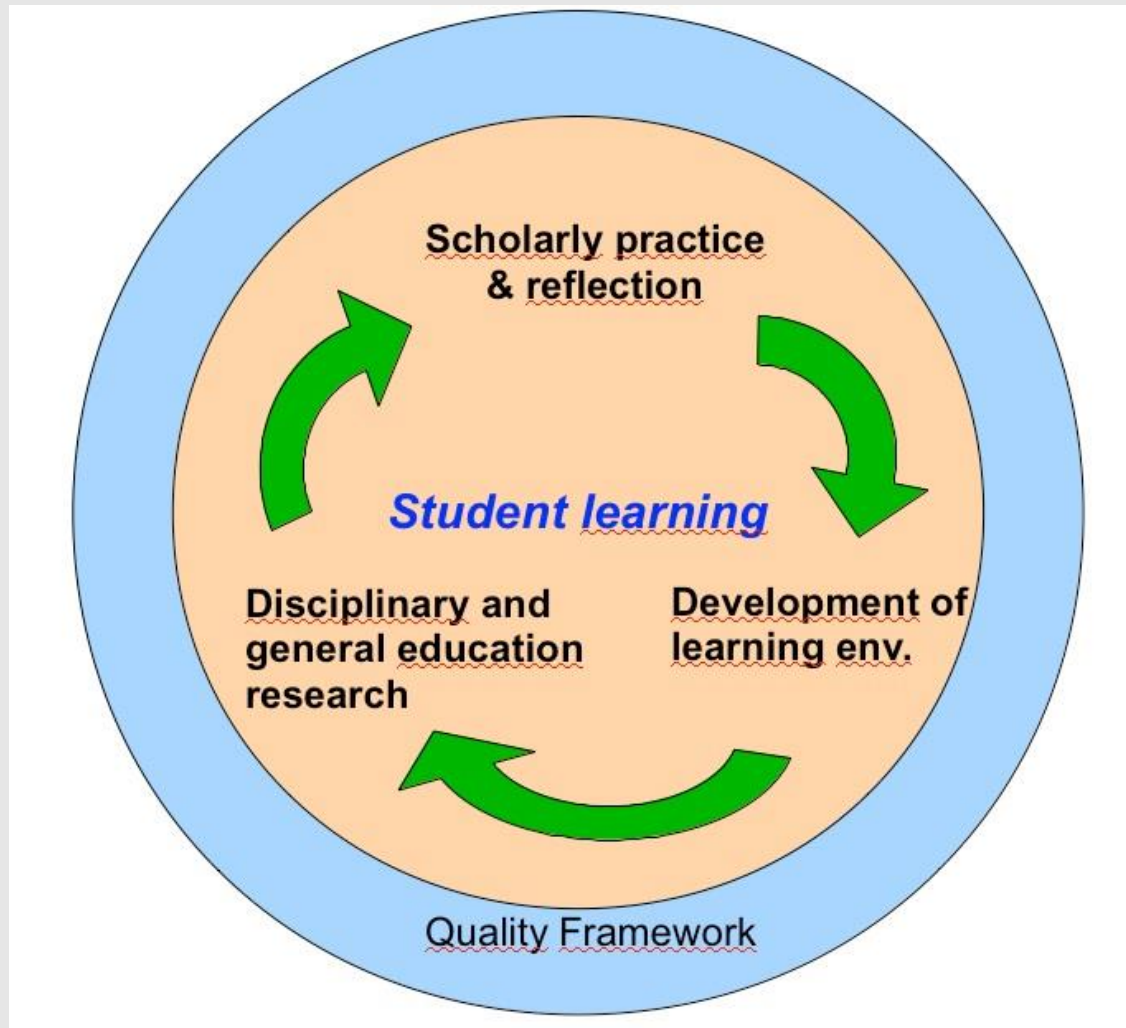


STEAM-LET winter school-14, Tampere



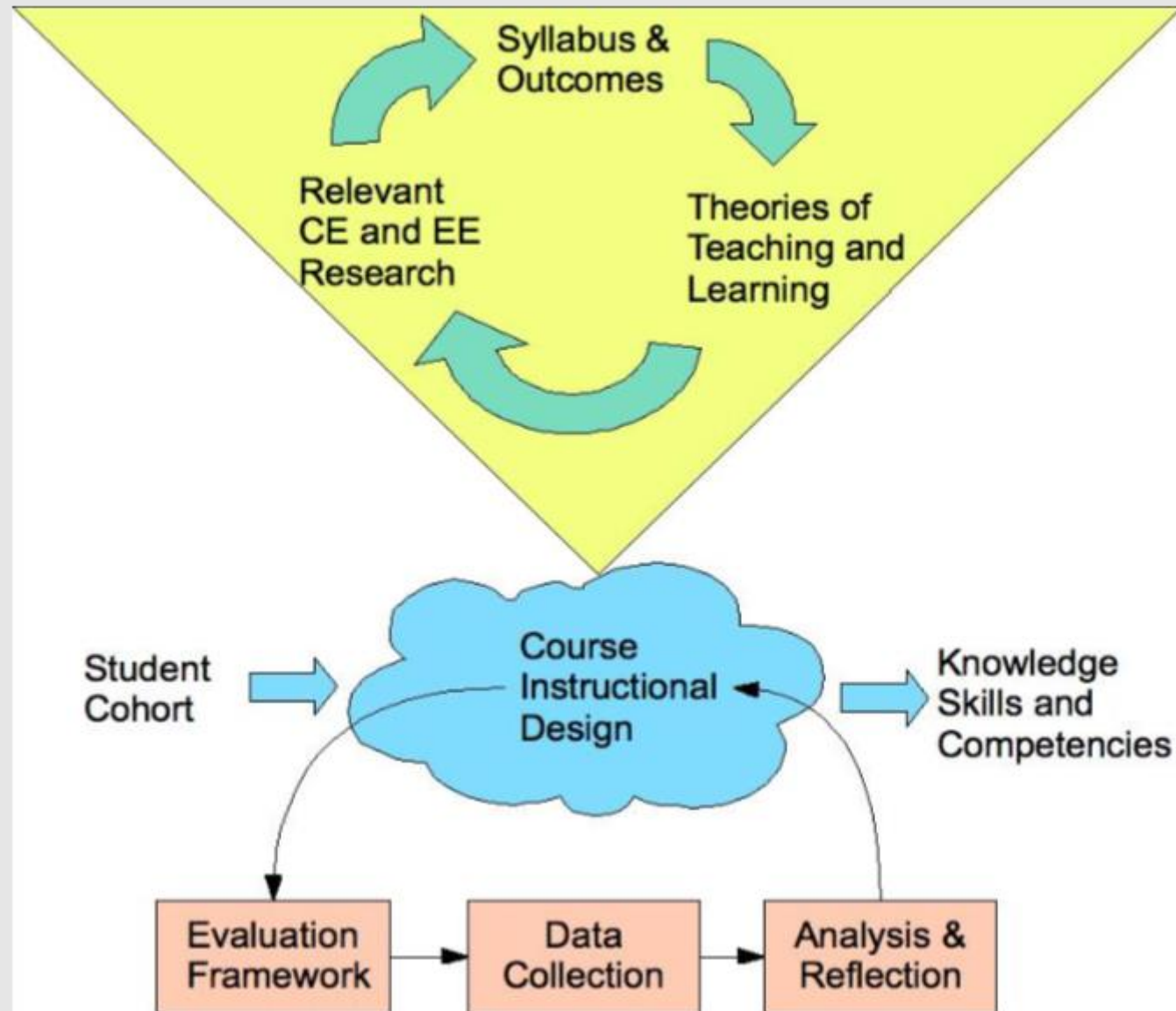


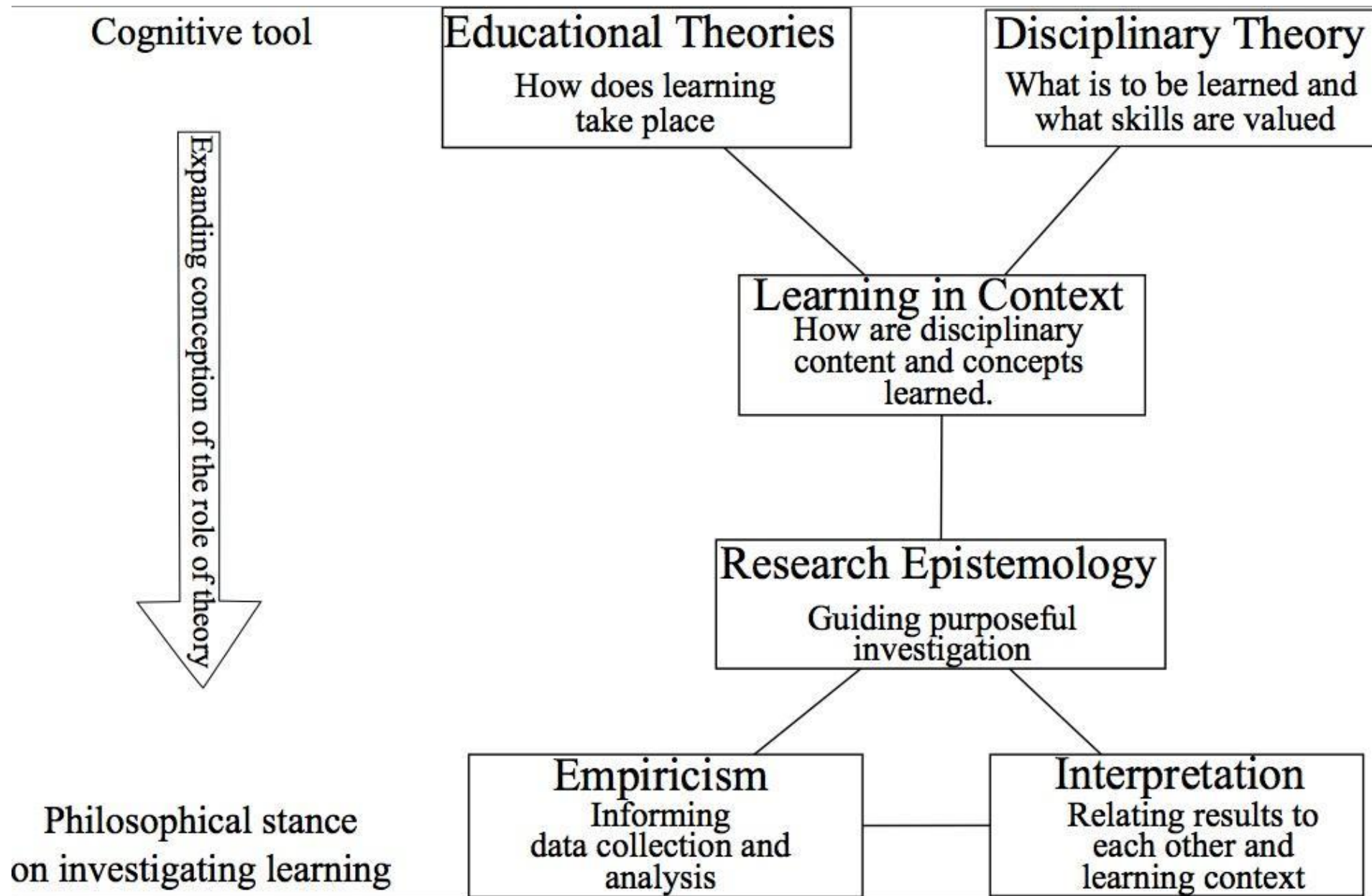
Critical Aspects of CER





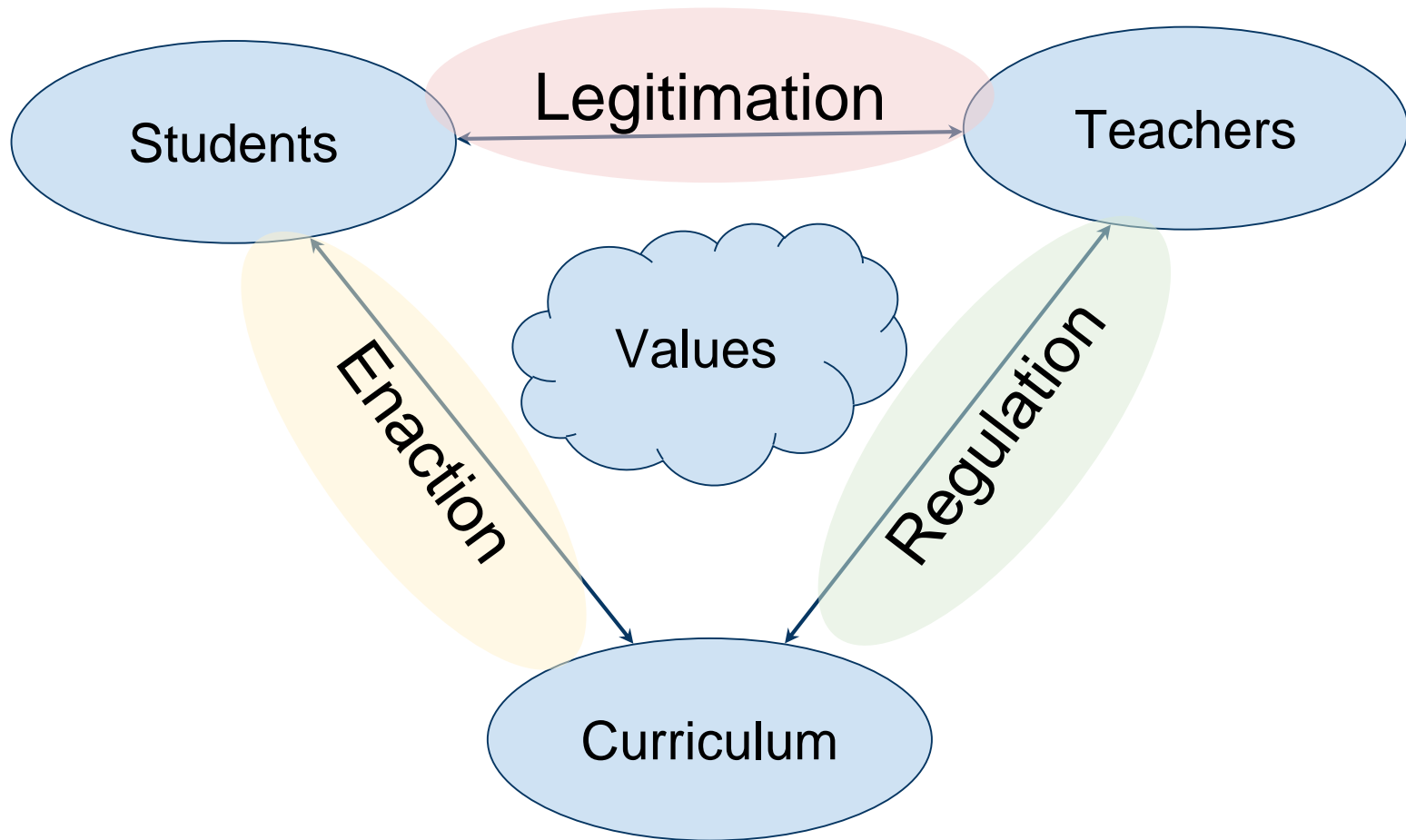
Crafting a CER Study







An Example





Questions and Discussion

Thanks for your attention!