

Co-operative Learning in Web-Based Learning Environments

Doctoral Seminar

Research in Higher and Vocational Education

Department of Educational Studies (University of Oxford) –
Department of Business and Human Resource Education (University of Paderborn)

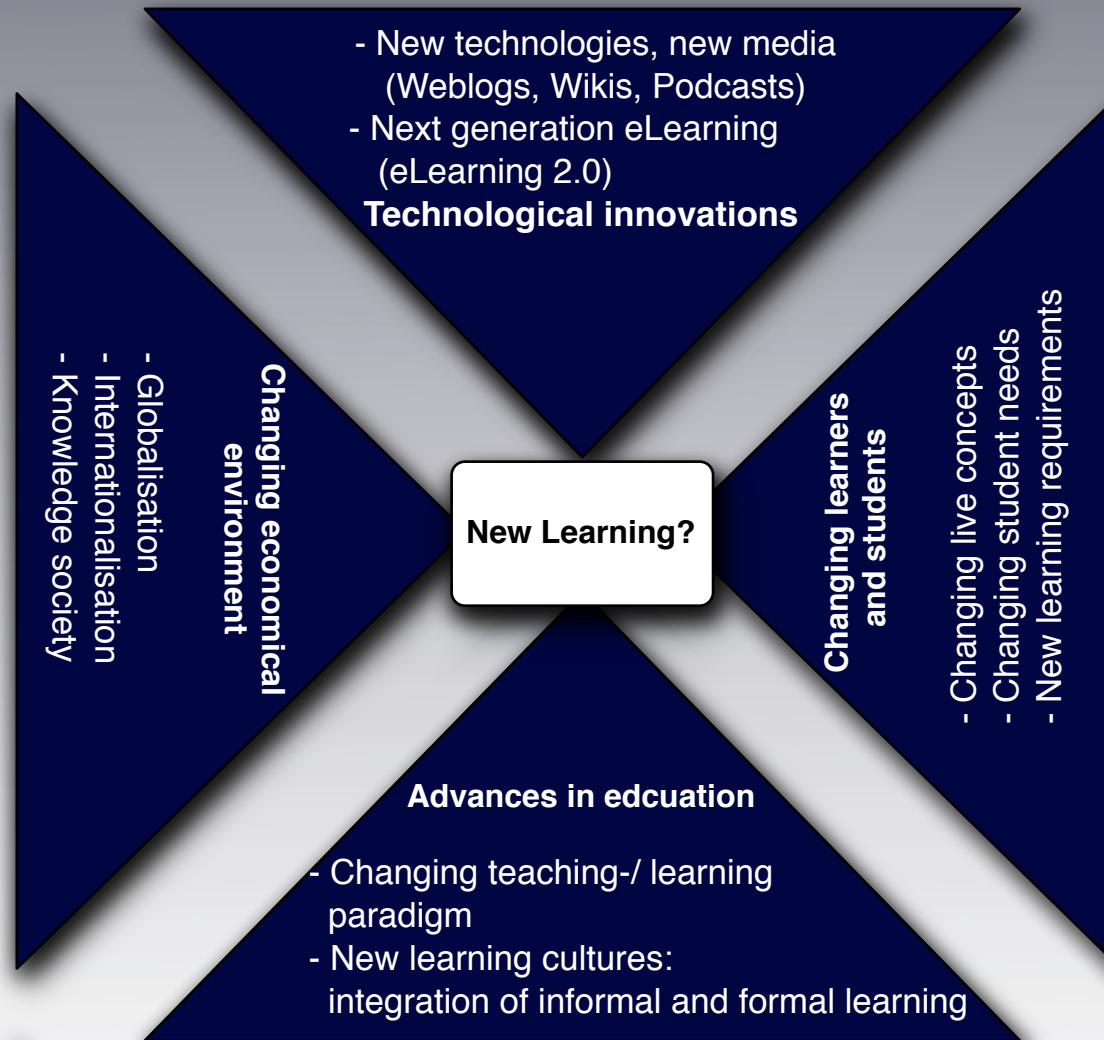
Oxford, 15 – 16 March 2007

Dipl. Hdl. Frederik G. Pferdt

Agenda

- I. Problem Context
- II. Research Questions
- III. A Model for Designing Self-regulated Learning in Cooperative Learning Environments with New Media
- IV. Research Context and Design Based Research
- V. Case Studies and Research Methods Applied

„New Learning“ with New Media?



Seufert (2007), Tully (2004)

integration of informal and formal learning
- New learning cultures:
paradigm

Problem Context

Mainfunction is the reproduction of content.

Learning with New Media leads to standardised, linear and externally controlled learning

Learning is controlled by the teacher or the computer

Content vs. Context

Content orientation

Presentation of information leads to a conversion into knowledge?

Learning Objects discussion

Self-evaluation of capabilities and skills decreased

Learning by oneself with new media

Changing roles of teachers and learners

Digital content is printed out by learners

Learning without prerequisites isn't possible

New Media is controlling the learning process



Masie Center (2001), Wiley (2000), Merrill (1998), Brady et al. (2006), Duitama et al., (2005), Colucci et al. (2005), Hodgins (2002), Tompsett (2005), Polsani (2004).



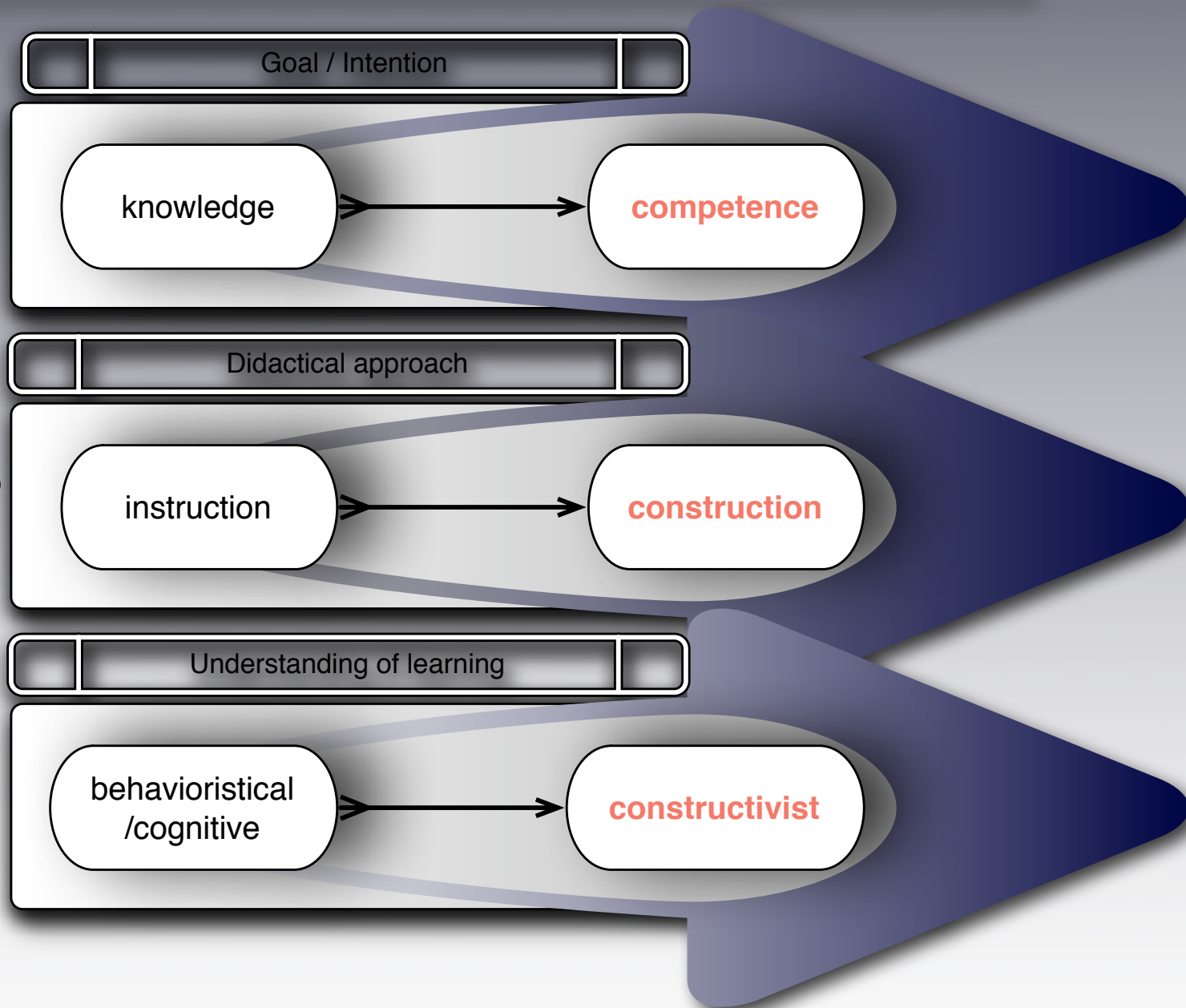
Case Study BFW Heidelberg (2006)



Arnold / Schübler 1996, Kremer 2006, Euler 2002

A Paradigm Shift?!

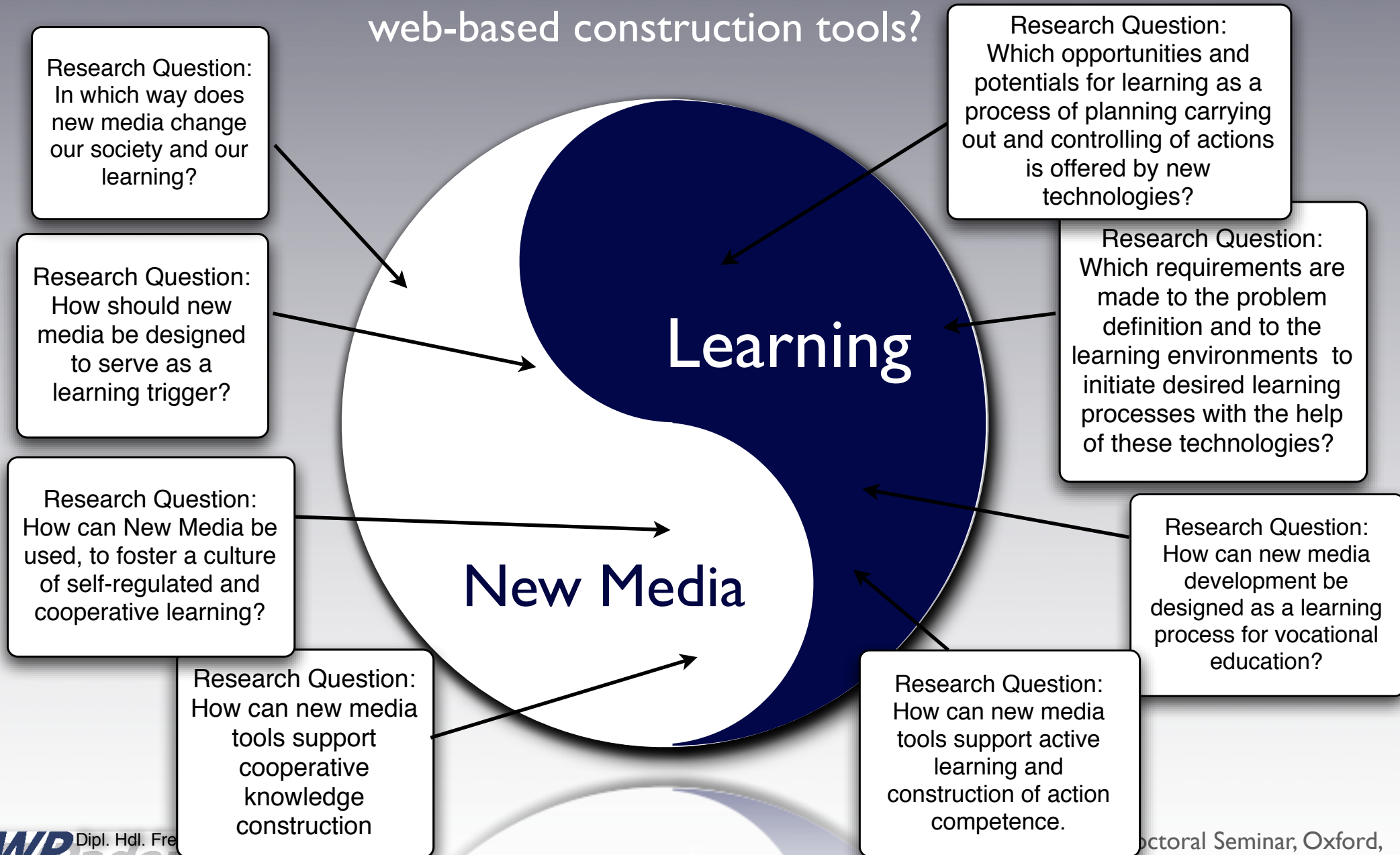
What does new media do with the learner?



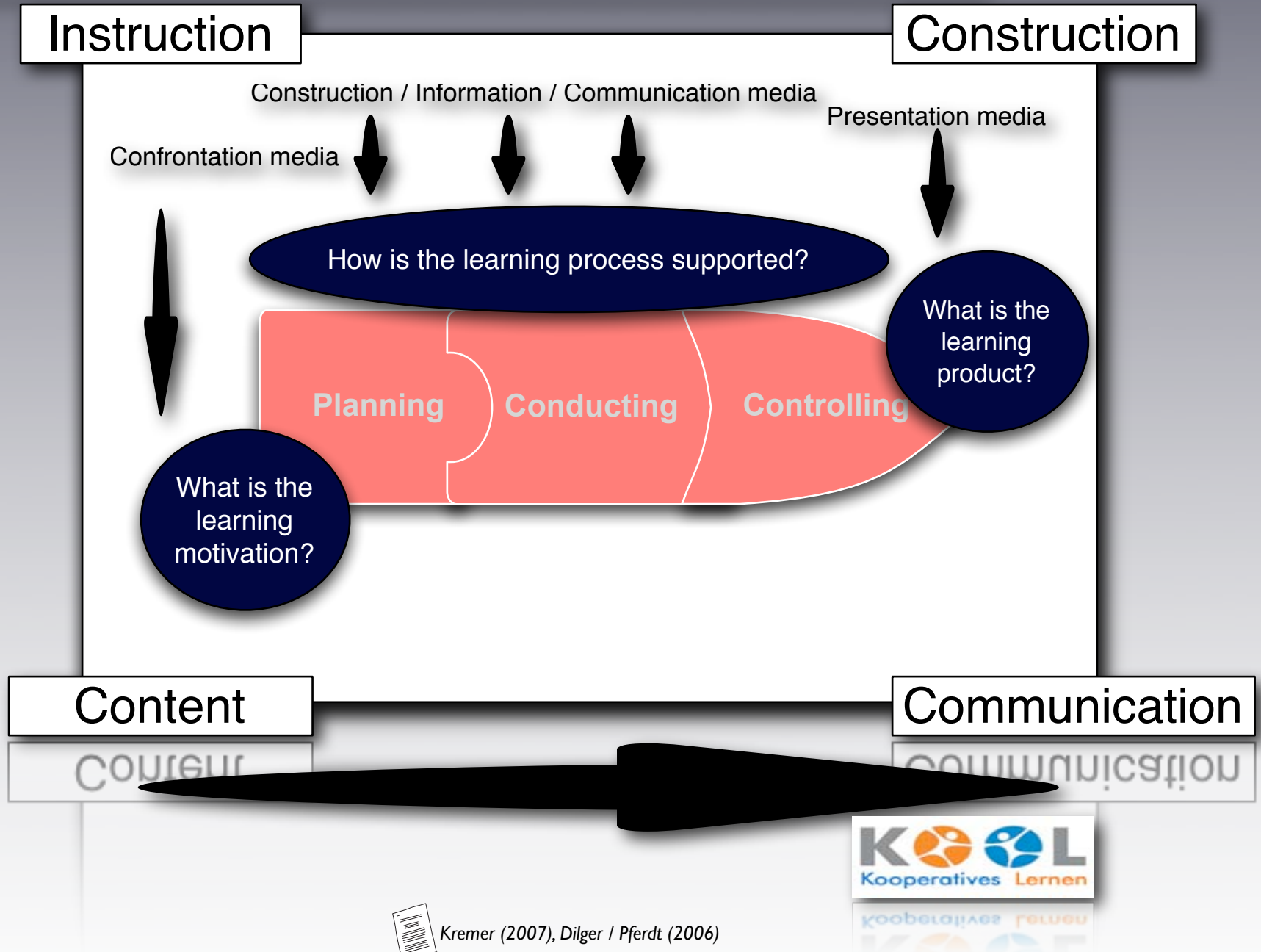
What does the learner do with new media?

Research Questions

How can co-operative learning in vocational education be designed using web-based construction tools?



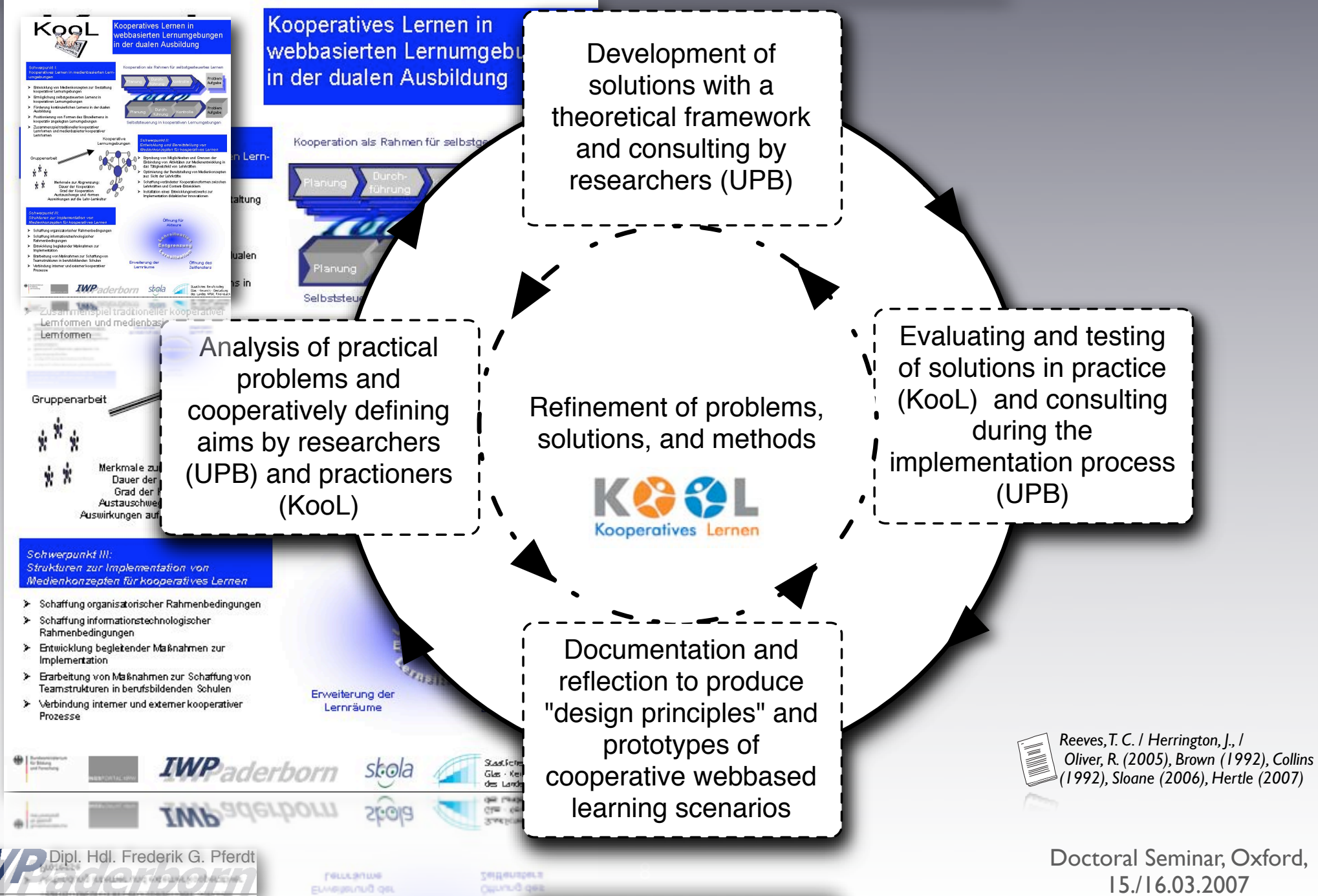
Learning with New Media - a Model



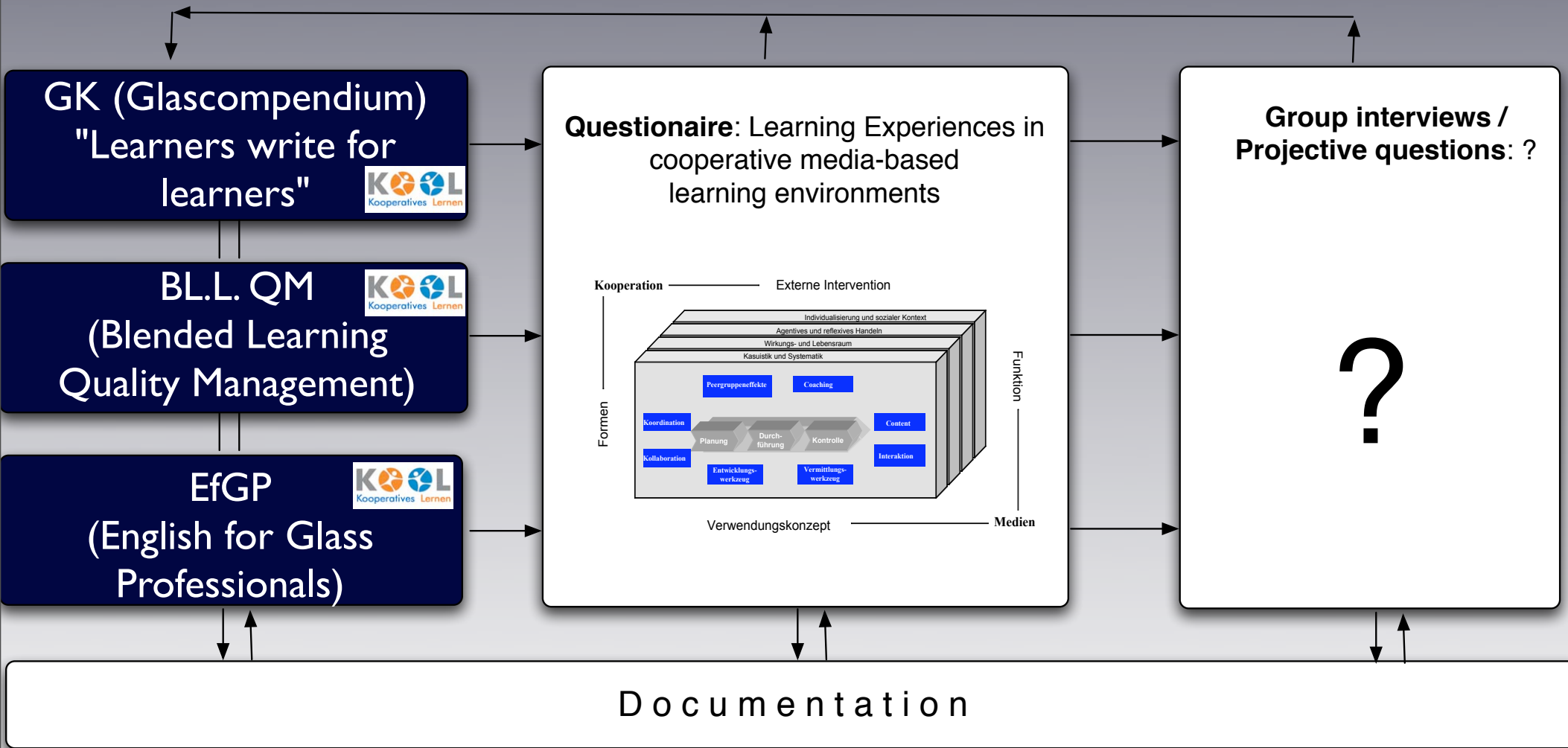
Kremer (2007), Dilger / Pferdt (2006)



Research Context and Design Based Research



Case Studies and Research Methods Applied



There are always questions remaining...



- Does every research question have to be answered in the case studies?
- Which explanatory power do the case studies have?
- Which results could be expected from the case studies?
- Are the research methods appropriate?

Thank you!

