



Towards a framework for designing ICT-support for reflective learning activities in competency-based, multiprofessional education

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- 20 minutes time
- Focus on one aspect
- Leave time for questions



Focus:

- The Delphi-method in a design-based research PhD: how useful are the results?
- Design-based research
- Research context
- Goals of the Delphi-study
- Usefulness of the results



Design-based research:

- In the context of an authentic educational setting
- Aimed to improve education
- Resulting in tangible, usable results
- More about How? than Why?
- Iterative approach
- Mixed-method approach



2 tracks:

1. The project to develop and implement educational setting
2. Research to make reusable knowlegde explicit

Hogeschool
van Utrecht



Track 1, the project:

- Cooperation between 3 educational institutes, subsidized by SURF
- Develop and implement educational setting for students from Nursing, Physiotherapy, Speech Therapy and 4-year Medical program SUMMA
- 33 students
- 6 weeks blended education, followed by 3 weeks online



Track 2, the PhD Research:

- A set of consistent guidelines to design learning tasks which facilitate students to reflect, for blended, competency-based education



Delphi-study:

- Three panels, 17 participants: experts, teachers and students
- First round: open questions resulting in 19 guidelines
- Open questions & guidelines structured according to model Rowland & Adams (1999)
- Second round: score guidelines on 5-point-scales

Main question model
Rowland & Adams

'Relevant quote'

Title guideline

Problem




Solution




Result




Score relevancy:

Score usefulness:

Score usability:

Answ.	Percentage
totally agree	73% 
agree	20% 
neutral	7% 
disagree	0%
totally disagree	0%

Answ.	Percentage
totally agree	40% 
agree	53% 
neutral	0%
disagree	7% 
totally disagree	0%

Answ.	Percentage
totally agree	40% 
agree	53% 
neutral	7% 
disagree	0%
totally disagree	0%

Goals Delphi for project-track:

- Paper process to enhance the f2f development process
- Development-team benefit from input outside this team
- Contribute towards reaching consensus
- Introduce neutral educational model (Rowland & Adams, 1999)
- Result in reusable knowledge required by subsidizer





Goals Delphi for research-track:

- Paper process to complement other research methods
- Research method to coincide with project activity
- Results to contribute directly to intended set of guidelines

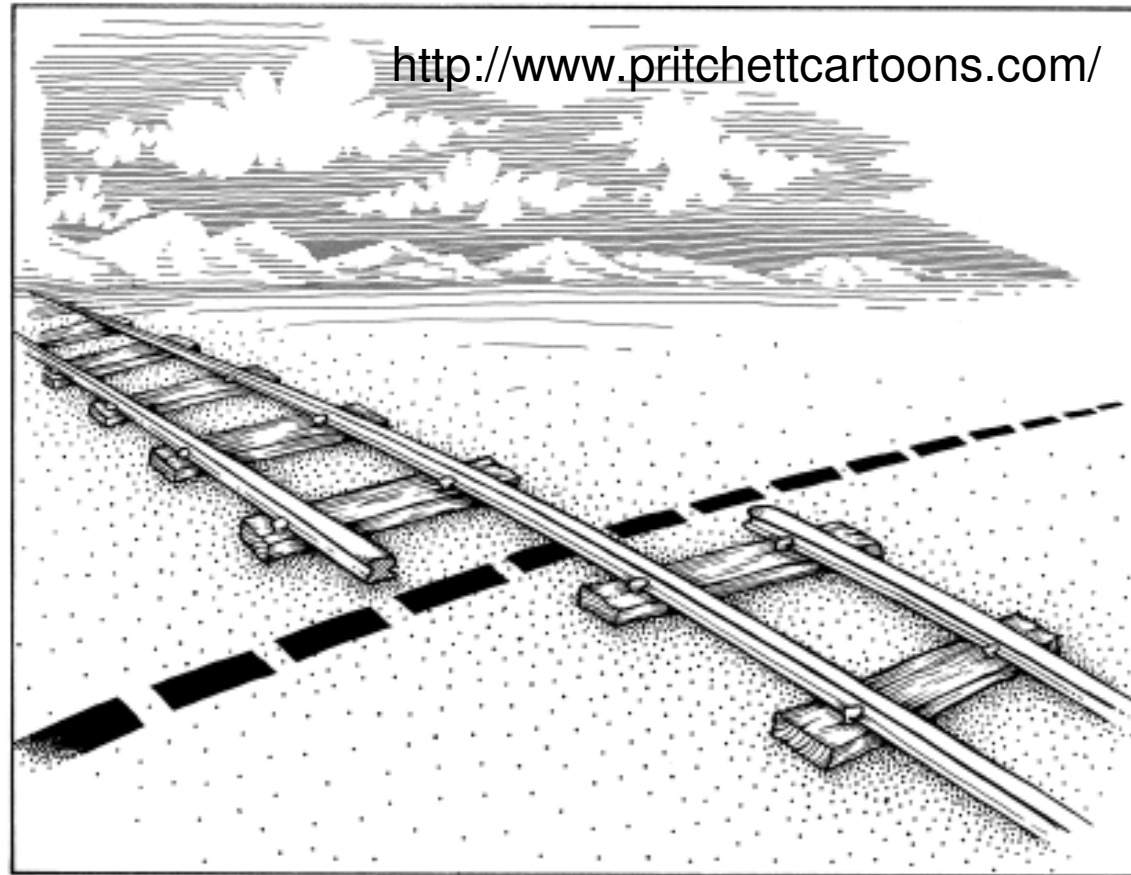


Results for track 1, the project:

- Paper slower → results incompatible
- Delphi considered as overhead
- Results not used during development

Results for track 2, the research:

- Methodologically acceptable, results questionable:
- Paper: 'we wish', f2f: reality
- Commitment participants not optimal
- Loosing goodwill not beneficial for other research activities



Research-activity disconnected from project-activity



Questions?

Find information or Contact me:

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