Hochschule Kaiserslautern
University of Applied Sciences

Transfering Systematic Innovation Training to an online setting

C.M. Thurnes

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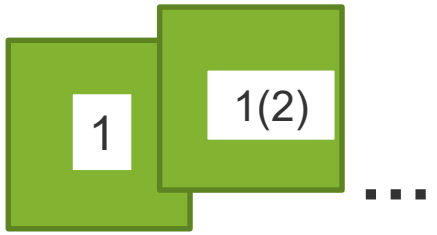
Background & Action

- Voluntary course for students (MBA Innovations-Management)
- Adding the donation factor
- Teaching systematic innovation (TRIZ): specific methods to analyse problems, model them on an abstract level, systematically identify abstract solutions and ideate real solutions
- Syllabus is predefined (international TRIZ Organization certificate L1)
- Classical didactical setting: interactive teaching in presence with many group tasks
- After 1 year of postponing, switching to an online setting: 3 days with final test:
  - Selecting the tools
  - Exploring the didactic fine details using the tools

Combinations of digital workboard(s) and A/V-conferencing to refine didactical settings (examples - not exhaustive)

board setup / A/V setup		 …		
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Several teams in several rooms /sessions		• teamwork • same group tasks • Different group tasks		

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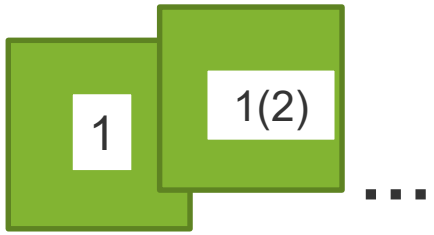
board setup / A/V setup		 …		
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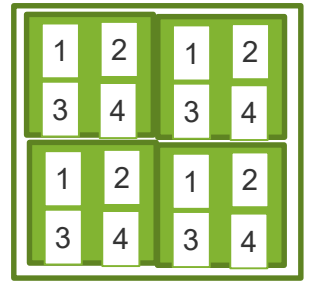

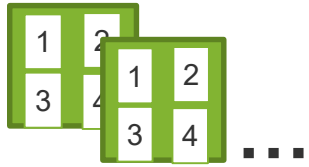

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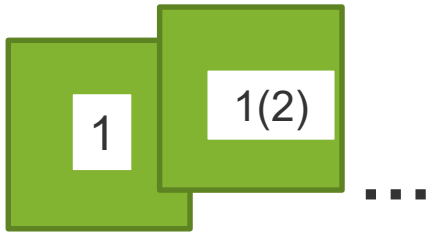
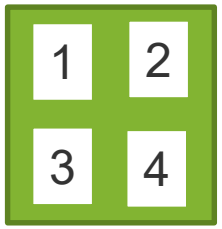
board setup / A/V setup		 …		
All together in 1 room /session	• Frontal teaching • black/whiteboard usage • Brainstorming • warm-up, opiníons, …	• silent work individual, team • e.g. 635/brainwriting • e.g. written exam	• working through process • E.g. demonstration, practicing all together w. Q&A, …	• silent individual work e.g. draw a picture … • cheating allowed
Several teams in several rooms /sessions	• Teams discuss, collect and create content for one task/assessment	• teamwork • same group tasks • Different group tasks	• Teams build their teamcontributions to the process/sequence	• teamwork • same group tasks • Cheating allowed
Each person has their own room /session	• explicit avoidance of individual A/V-communication between participants	• individual work • same individual tasks • different individual tasks	• Individuals build ther individual contributions to the process/sequence	• individual work • same individual tasks • Cheating allowed

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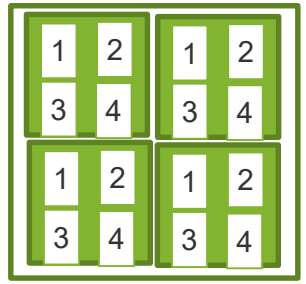

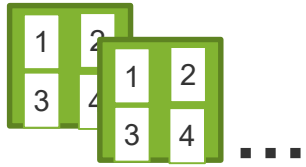

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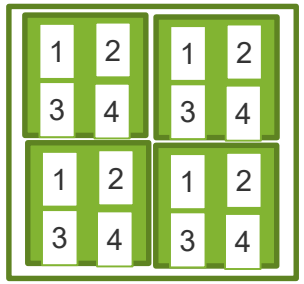

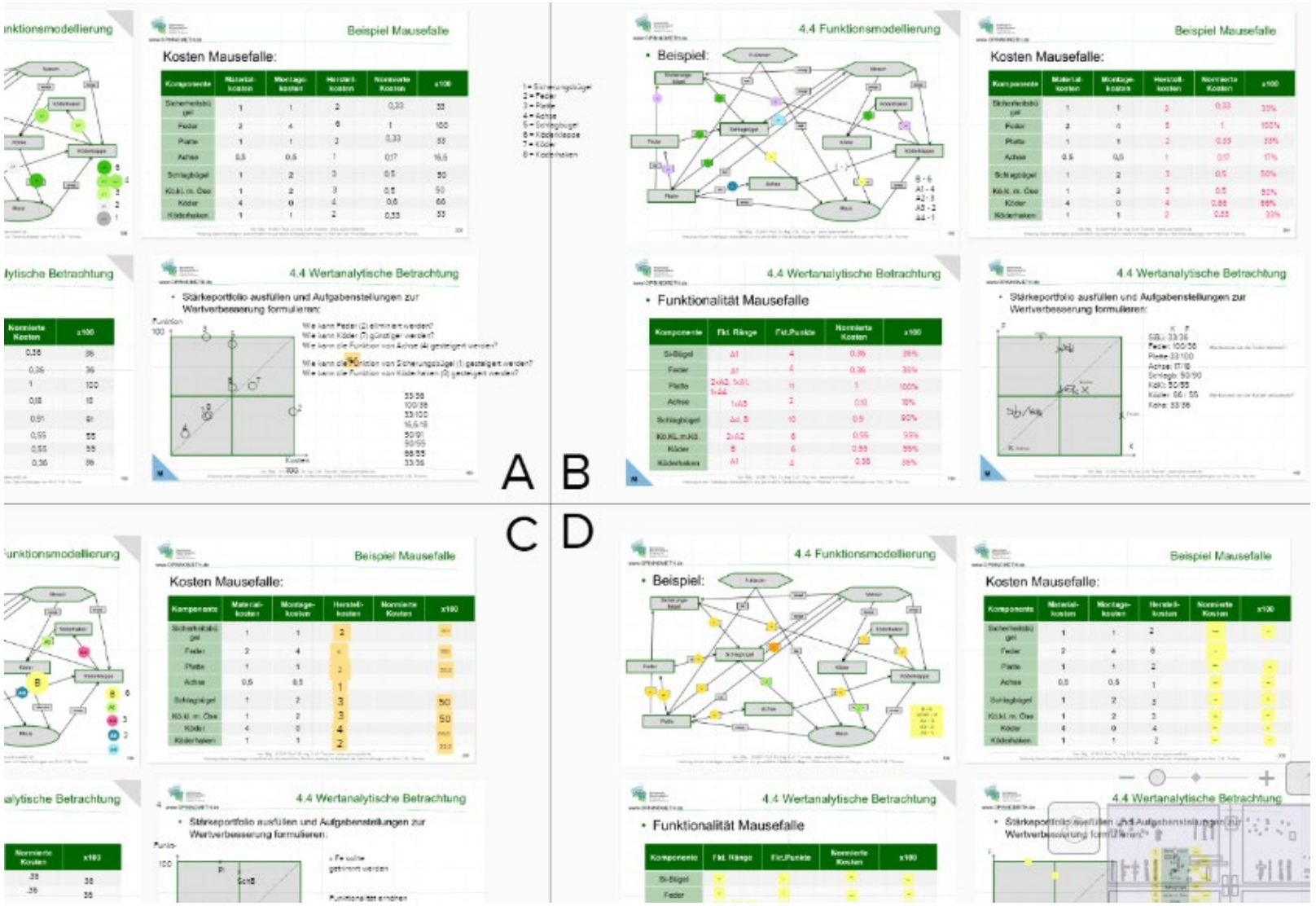

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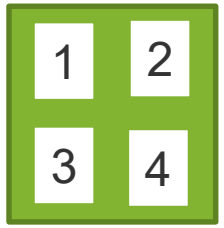

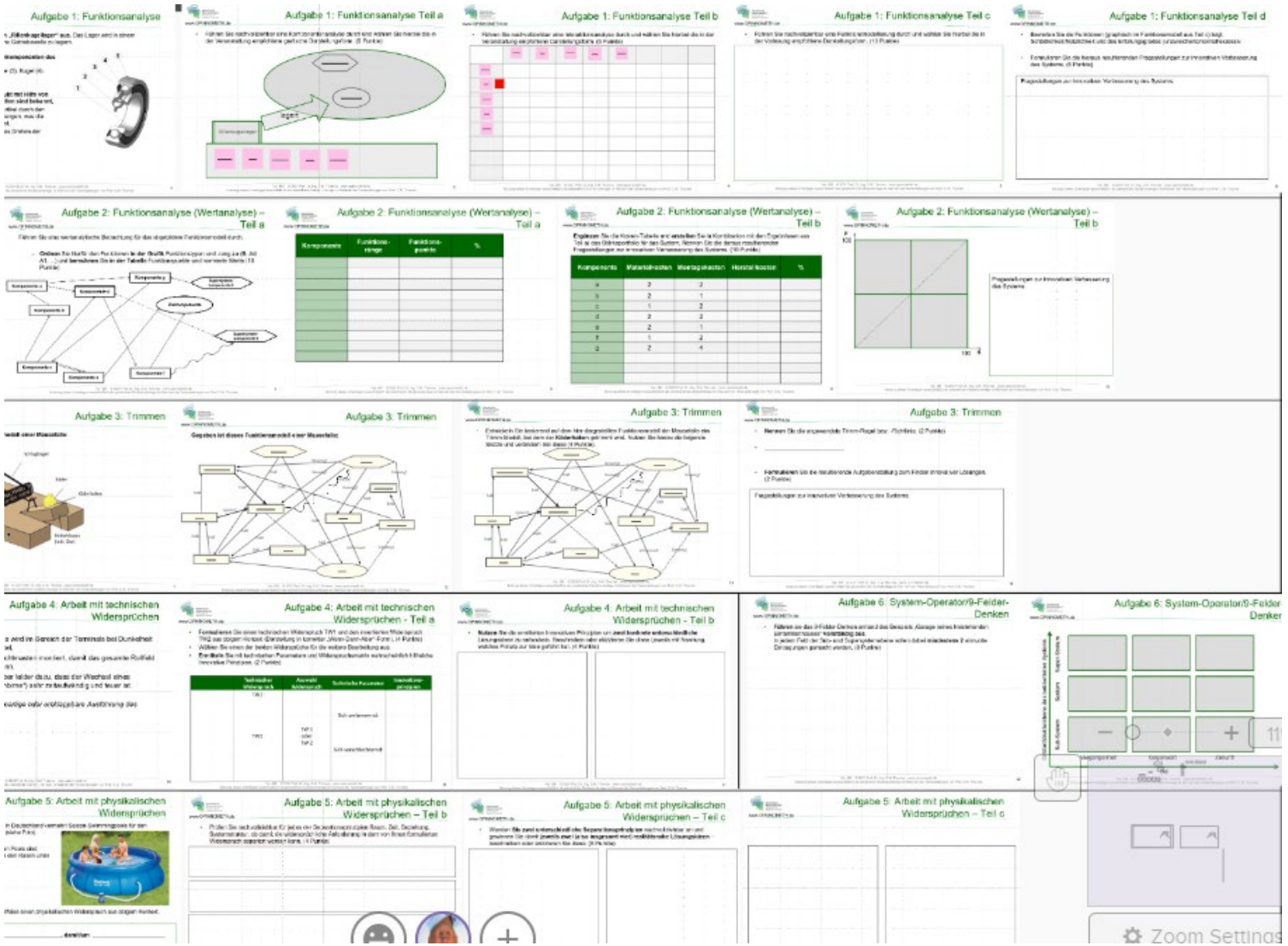

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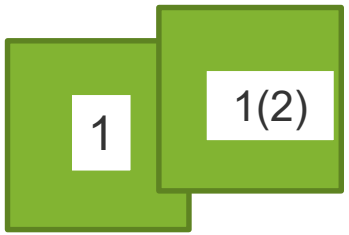

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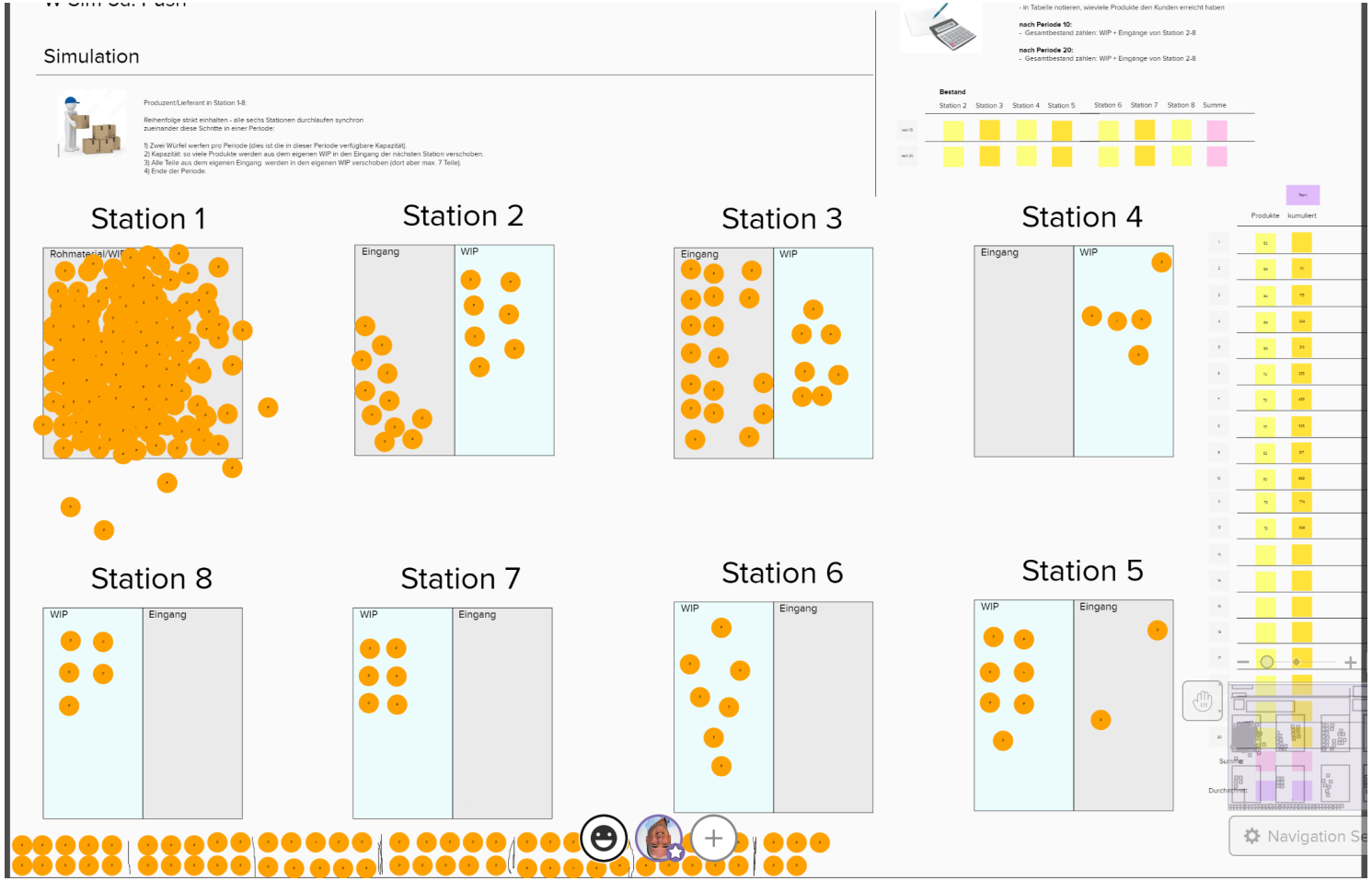

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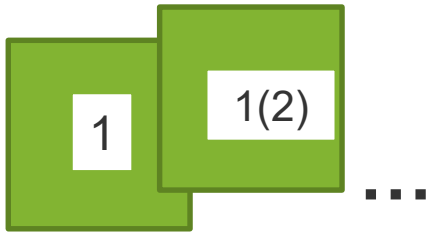
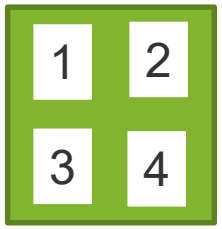
board setup / A/V setup		 …		
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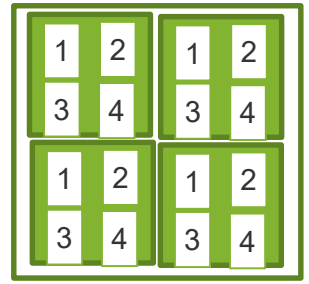

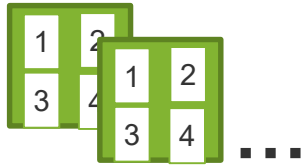

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- Morphological schemes may help transfering your tacit knowledge about learning designs to new settings
- Two more dimensions:
  - Interactions of the facilitator
  - Feedback and/or presentation of results

Find the slides here:

- https://www.opinnometh.de/downloads

- Instagram & TikTok: @professorthurnes