



Copenhagen  
Business School  
HANDELSHØJSKOLEN

# Teaching and Learning in Classrooms of the 21<sup>st</sup> Century

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- NEXT-TELL EU FP7 Integrating Project
- Classrooms of the 21st Century
- Short Demo of "Clickers"
- Pilot Projects at CBS



## NEXT-TELL

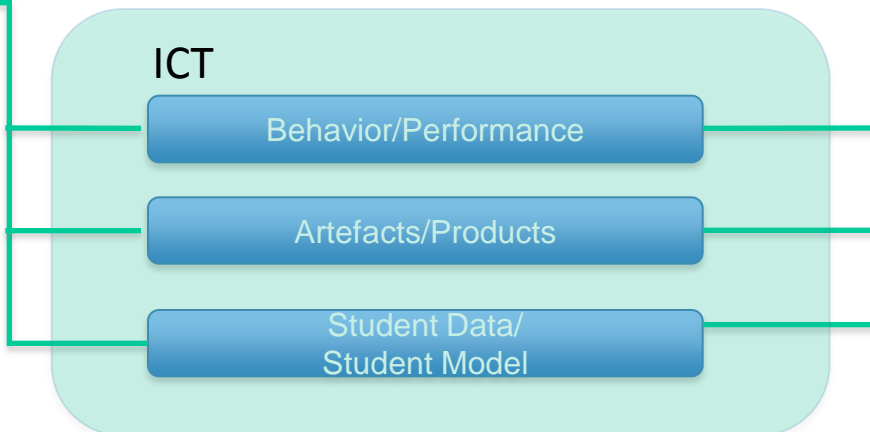
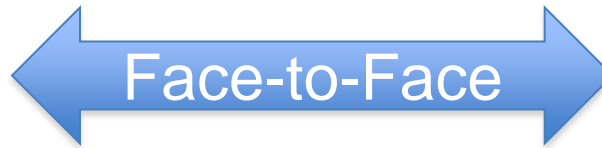
### EU FP7 integrating project (Sep-2010 – Aug-2014)

<b>Name:</b>	<b>NEXT-Generation Teaching, Education and Learning for Life</b>
<b>Purpose:</b>	To build a teaching and learning ICT infrastructure for teachers and learners
<b>Funding:</b>	Total of 8.2 m € from EU, CBS share is 550.000 € covering 3 years of postdoc and 3 CAICT faculty
<b>Partners:</b>	12 partners: Joanneum Research, Uni Research, TUG, University of Birmingham, CBS, London Knowledge Lab, KMRC, BOC-AT, BOC-PL, eXact Learning Solutions, talkademy, MTO.
<b>Method</b>	Design-Based Research (DBR) in 15-20 classrooms in Year-1 and 60-80 classrooms by Year-4
<b>Key Point</b>	Teaching and Learning in Classrooms of the 21 <sup>st</sup> Century



# Problems with Classrooms of the Present

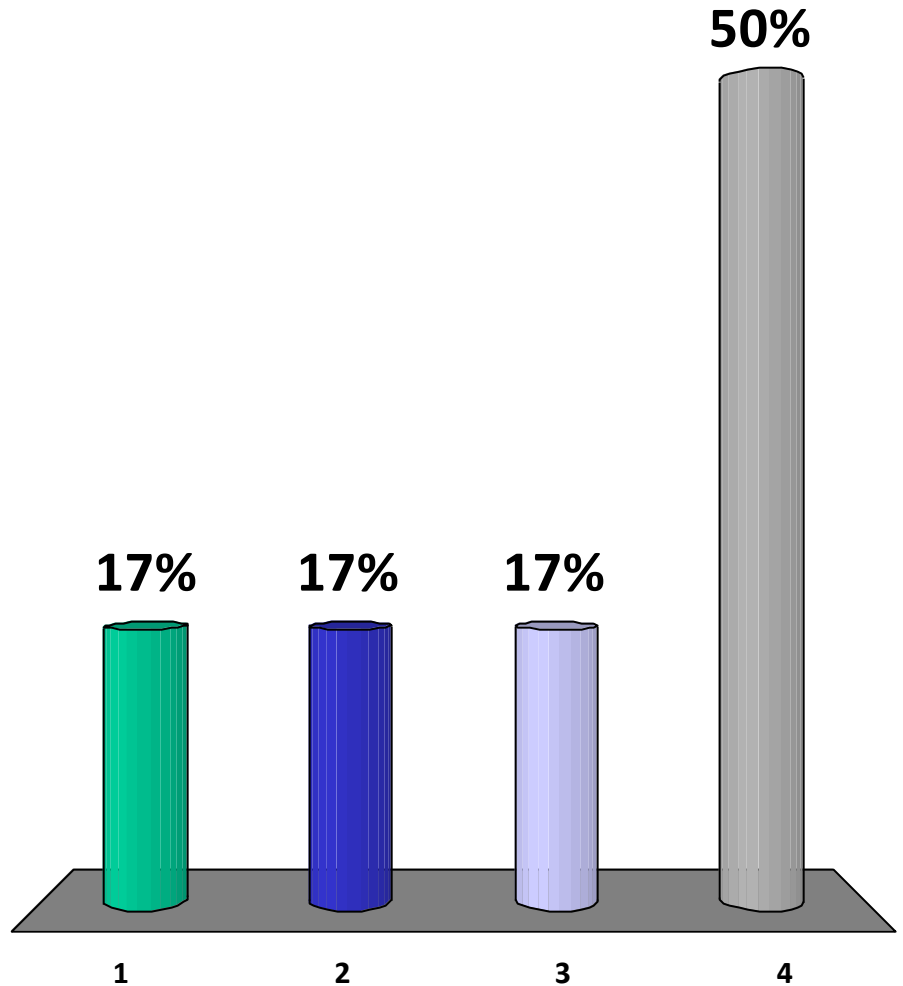
- Learning is fragmented
- Teacher is decentered





# Question #1: What is the percentage of international faculty at CAICT?

1. 18%
2. 36%
3. 50%
4. 75%

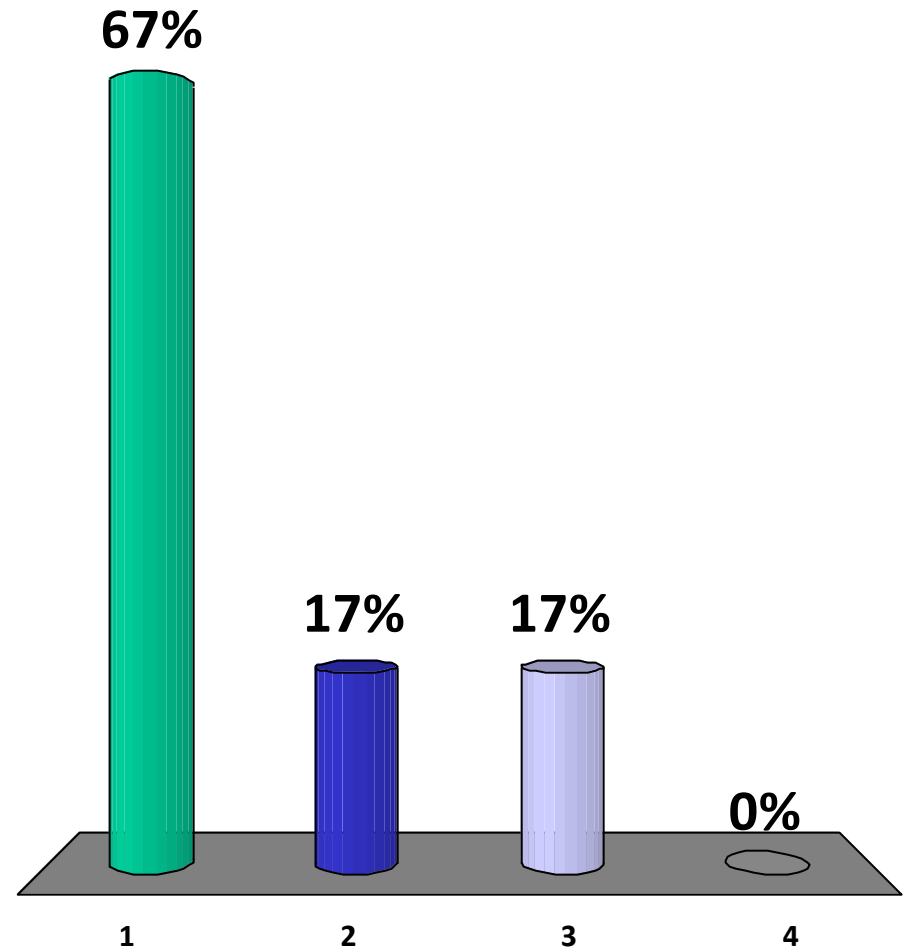




## Question #1:

What would be the Danish equivalent to the US Peanut-  
Butter +Jelly sandwich?

1. Rye Bread+ Liver Pâté
2. Open Sandwiches
3. Danish Butter Cookies
4. Beef Tatar





# NEXT-TELL Vision

## To develop ICT infrastructure to support

- **Develop 21<sup>st</sup> Century competencies** in addition to subject-matter specific KSAs
- **Personalize learning:** Plan for the individual student
- **Teach adaptively** in the classroom, making good use of ICT
- **Provide evidence-based accounts** for selected learning activities and assessments
- **Be accountable** towards stakeholders (students, parents, policy makers).



# CBS Pilot Projects on Technology enhanced Teaching and Learning (TeTL)

- **DIT-LAB** at Stuen, Howitzvej 60 (Interactive Classroom + Experience Lab)
- **7 Classrooms** at Kilen (Funded from the increased taximeter to CBS)
  
- **Hardware** for “Classrooms of the 21<sup>st</sup> Century”
  - Digital interactive whiteboards
  - Power outlets to support one laptop per student
  - Classroom Response Systems (Clickers)
  - Special paint to turn the walls into whiteboards
  - Movable furniture (in the future)
  
- **Software**
  - **teach.cbs.dk**
  - Existing best-of-the-breed TeTL applications
  - NEXT-TELL infrastructure (in the future)
  
- **Training**
  - Teacher Training Workshops (*in-service teachers*)
  - PhD Course on TeTL (*pre-service teachers*)