

# **Classroom Disruptions in Digital Settings**

Pierre Meinokat & Ingo Wagner





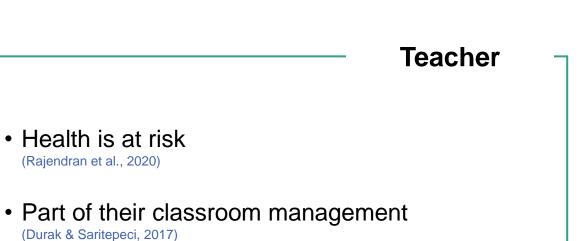
### **Disruptions**

- Occur every 42 seconds on average (Wettstein & Scherzinger, 2018)
- 1,2 times per minute in physical education (Maddeh et al., 2015)











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- Academic success is denied (Marquez et al., 2016)
- Prioritize goals different from teachers (Jordan et al., 2017)







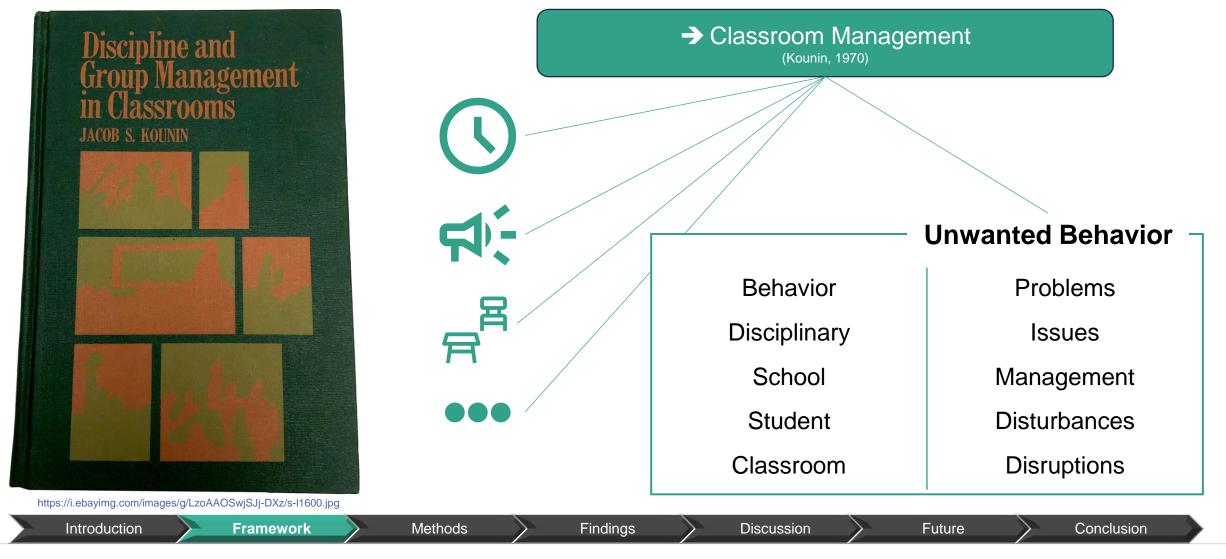
- Increased use over the last years (Cho et al., 2020)
- Research needed (Meinokat & Wagner, 2022)



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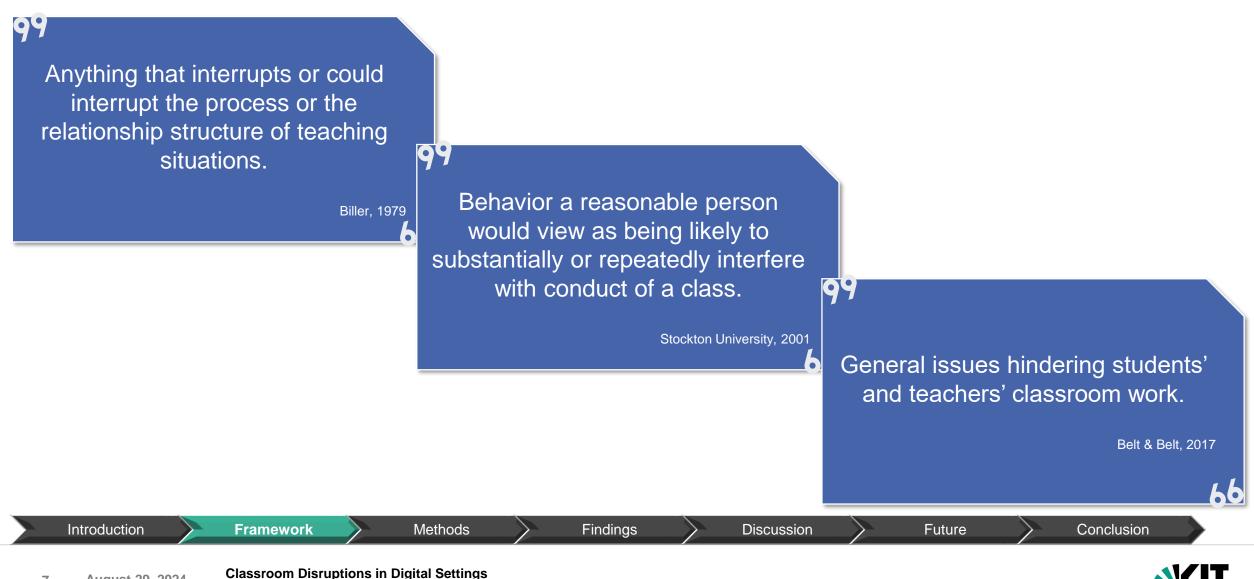
# Framework







# **Framework – Classroom Disruptions**



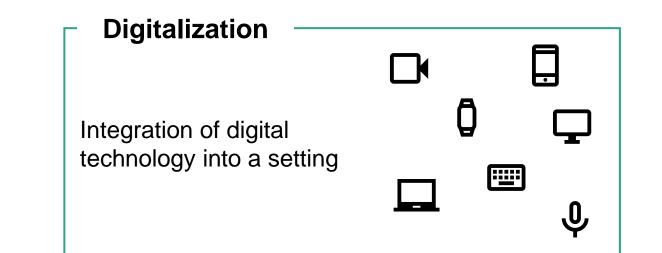


# **Framework – Digital Settings**

### Digitization

Converting analog data into a digital format

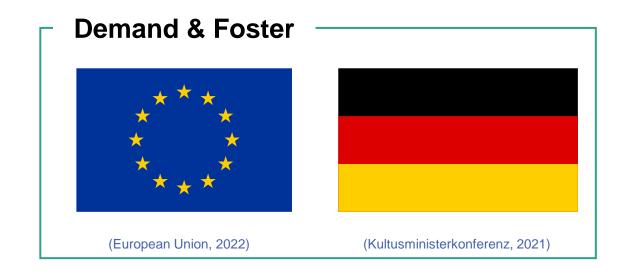




(Gradillas & Thomas, 2023)



# Framework – Research Gap



Research Gap: No connection between Digitalization and Classroom Disruptions yet.

Research Question: How does the Digitalization affect Classroom Disruptions?



# **Methods - Overview**

#### **Mixed-Methods**

Systematic Literature Review

**2** Qualitative Interviews

II. Quantitative Questionnaire

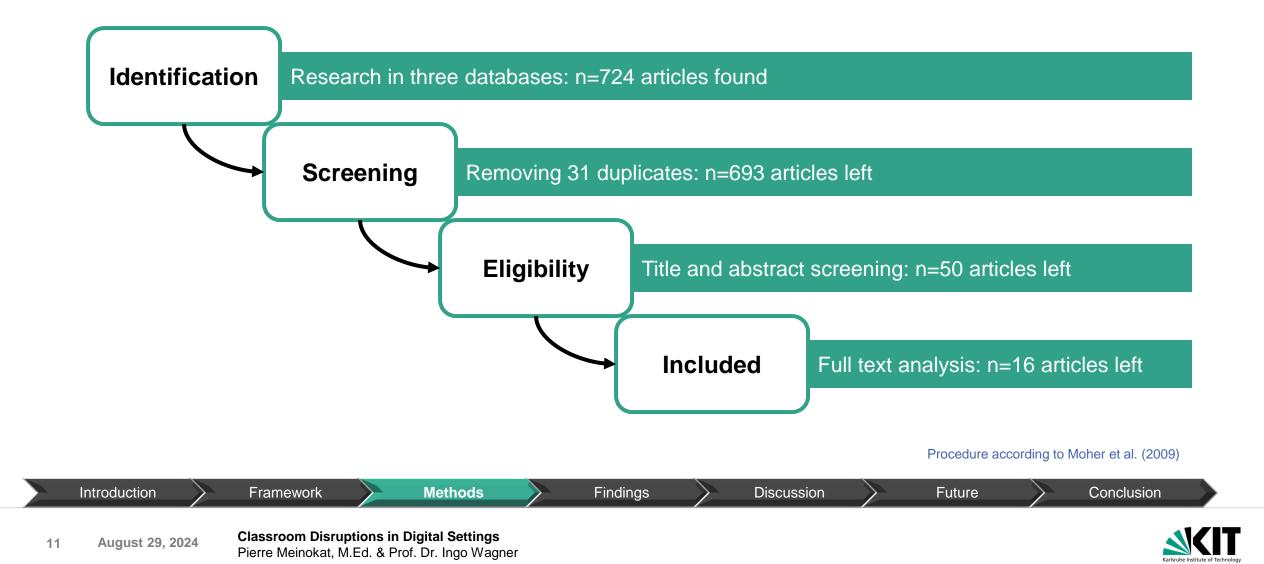
Cumulative dissertation with mixed-methods-approach



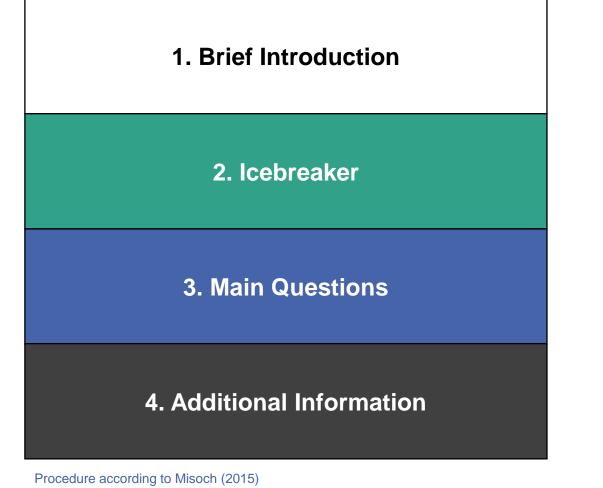


# **Methods - Review**





# **Methods - Interviews**



Overall introduction, background information and data protection

Setting a friendly and trustworthy conversation climate

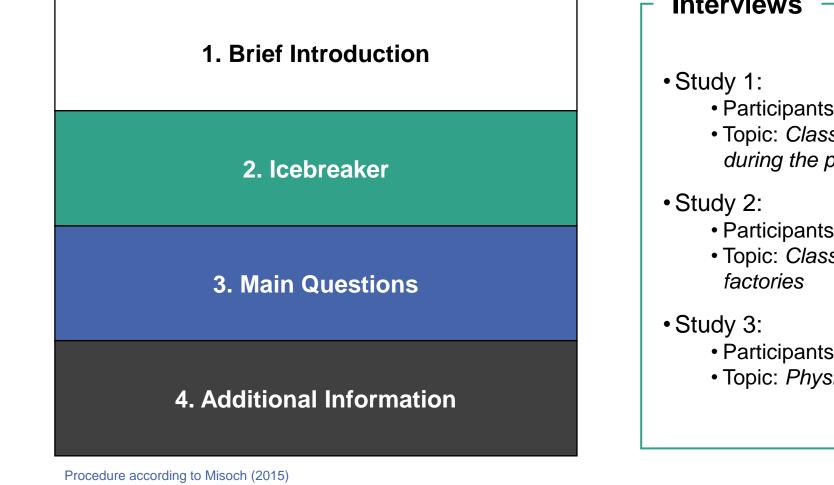
#### Supported by additional questions if necessary

Demographic information, future research



# **Methods - Interviews**





#### **Interviews**

- Participants: n = 13
- Topic: Classroom disruptions in teaching during the pandemic
- Participants: n = 7
- Topic: Classroom disruptions in learning
- Participants: n = 11
- Topic: Physical education refusal

	Introduction	Framework	Methods	Findings	$\geq$	Discussion	Future	$\geq$	Conclusion	
13	August 29, 2024	<b>Classroom Disrupt</b> Pierre Meinokat, M.I							Karfsruhe Institu	<b>XIT</b> Ite of Technology



#### Taxonomy

- Various Terms for digital settings synonymously used
- Three different models of teaching

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Online learning, digitally enhanced face-to-face learning, and blended learning, assuming that digital tools are used as technology to enable or support the respective form of teaching.

Meinokat & Wagner, 2022



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### Student Online Misbehavior scale (SOMs):

- Seeking Unallowed Assistance
- Internet Slacking
- Aggressiveness
- Lack of Communication

Li & Titsworth, 2005

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### - Systemization

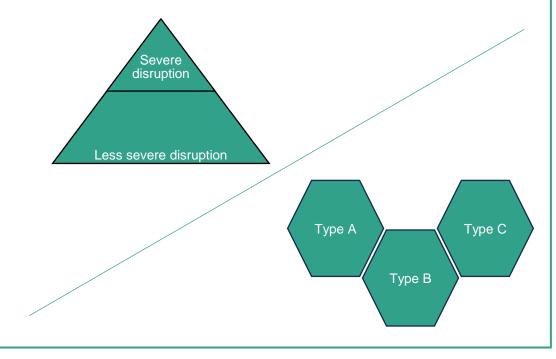
• Only one systemization with relation to a digital setting





### **Systemization**

• Exiting systemizations of classroom disruptions either group severity/intentionality or separate categories





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#### **Student Online Misbehavior scale (SOMs):**

- Seeking Unallowed Assistance
- Internet Slacking
- Aggressiveness
- Lack of Communication

If you're teaching online and the students only hear some static noises and can't hear you, [or] students say "my microphone isn't working"

Teacher BM2





Operating Errors

**Technical Errors** 

- Illicit Social Behavior
- Infrastructure Problems

Meinokat & Wagner, 2024

Li & Titsworth, 2005



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#### **Student Online Misbehavior scale (SOMs):**

- Seeking Unallowed Assistance
- Internet Slacking
- Aggressiveness
- Lack of Communication

Or if you said: "Open the folder", they took out their [analog] notebooks and opened the [analog] folder instead of clicking on some file directory.

Teacher BF1





- Operating Errors
- Illicit Social Behavior
- Infrastructure Problems

Meinokat & Wagner, 2024

Li & Titsworth, 2005



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#### **Student Online Misbehavior scale (SOMs):**

- Seeking Unallowed Assistance
- Internet Slacking
- Aggressiveness
- Lack of Communication

[...] that many of those who really wanted to be noticed just sent an exclamation mark, two seconds later the next one and so on. [The] entire chat history was full of the one name.

Teacher BM8



- Operating Errors
- Illicit Social Behavior
- Infrastructure Problems

Meinokat & Wagner, 2024

Li & Titsworth, 2005



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#### **Student Online Misbehavior scale (SOMs):**

- Seeking Unallowed Assistance
- Internet Slacking
- Aggressiveness
- Lack of Communication

[Because of our limited space] we had things where we said it would take us a quarter of an hour, and the students needed an hour and a half.

Teacher C7

Technical Errors

- Operating Errors
- Illicit Social Behavior
- Infrastructure Problems

Meinokat & Wagner, 2024

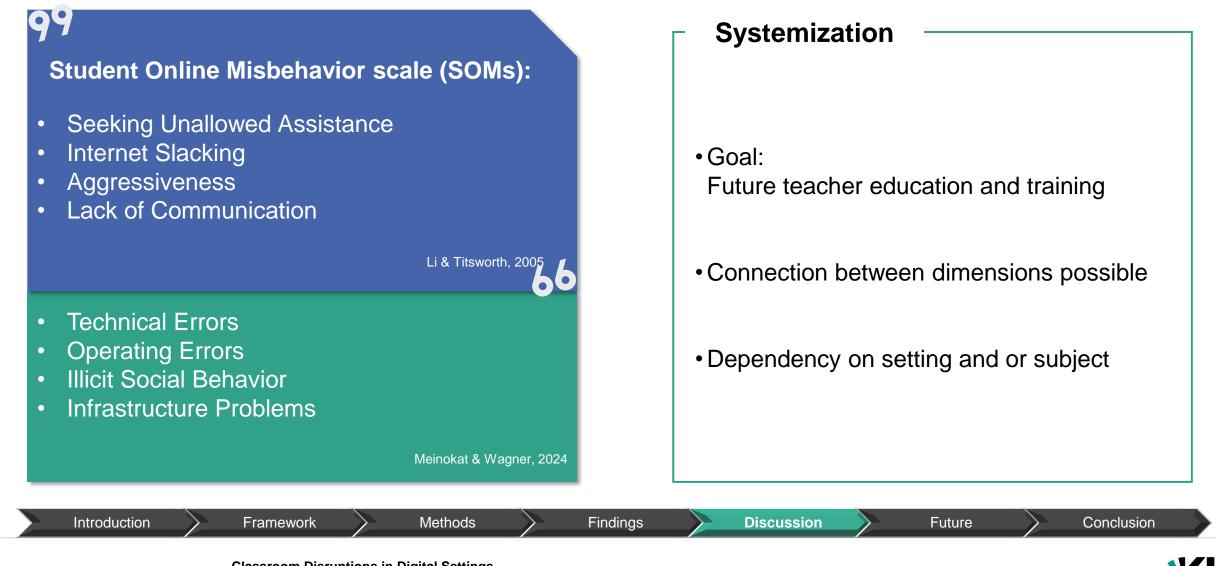
Li & Titsworth, 2005





# Discussion





# Discussion

August 29, 2024

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### New insights

- Teachers adapting their strategies
- Digitalization is already an integrational part of daily education

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 Teachers felt restrained at first – now overwhelmed







### **Future**



#### **Close future**

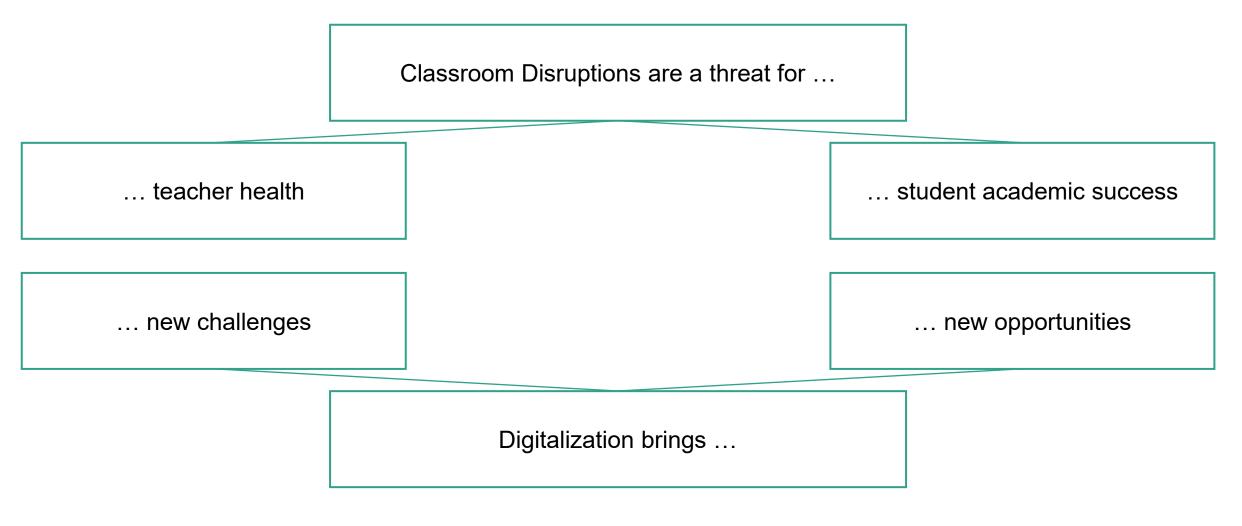
Quantitative Questionnaire with students

### Far future

Long term research on the impact of digitalization



# Conclusion





### Conclusion

This project gathers insights on **classroom disruptions** from **multiple perspectives** to generate a **systemization** that can be used to improve **future teacher** education and training.





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