

Work Package 5

‘ICT in education’

Prof. Dr. Birgit Eickelmann
Paderborn University
Germany

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Outline

Work Package 5 (WP5)

'ICT in education'

1. Implementation and Development of the Research in WP5
2. Insights into first Results and Disseminations



1. Implementation and Development of the Research in WP5

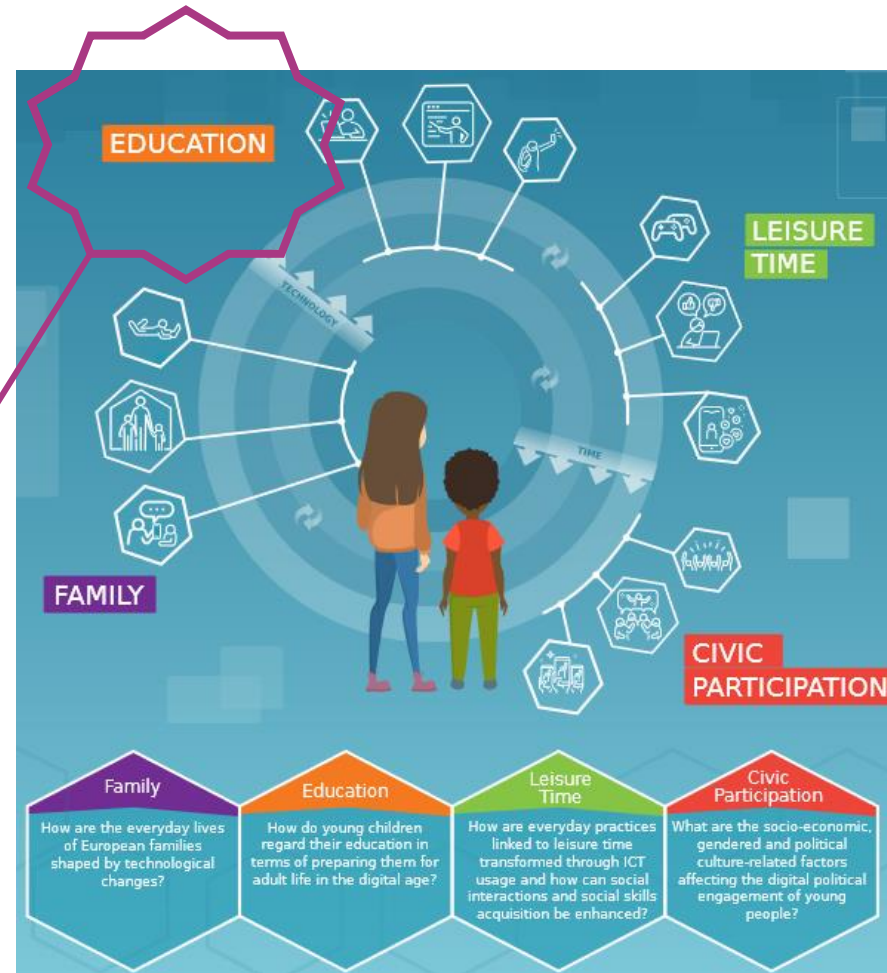


1. Implementation and Development

In addition to
'Family' 'Leisure
Time' and 'Civic
Participation',

'Education'

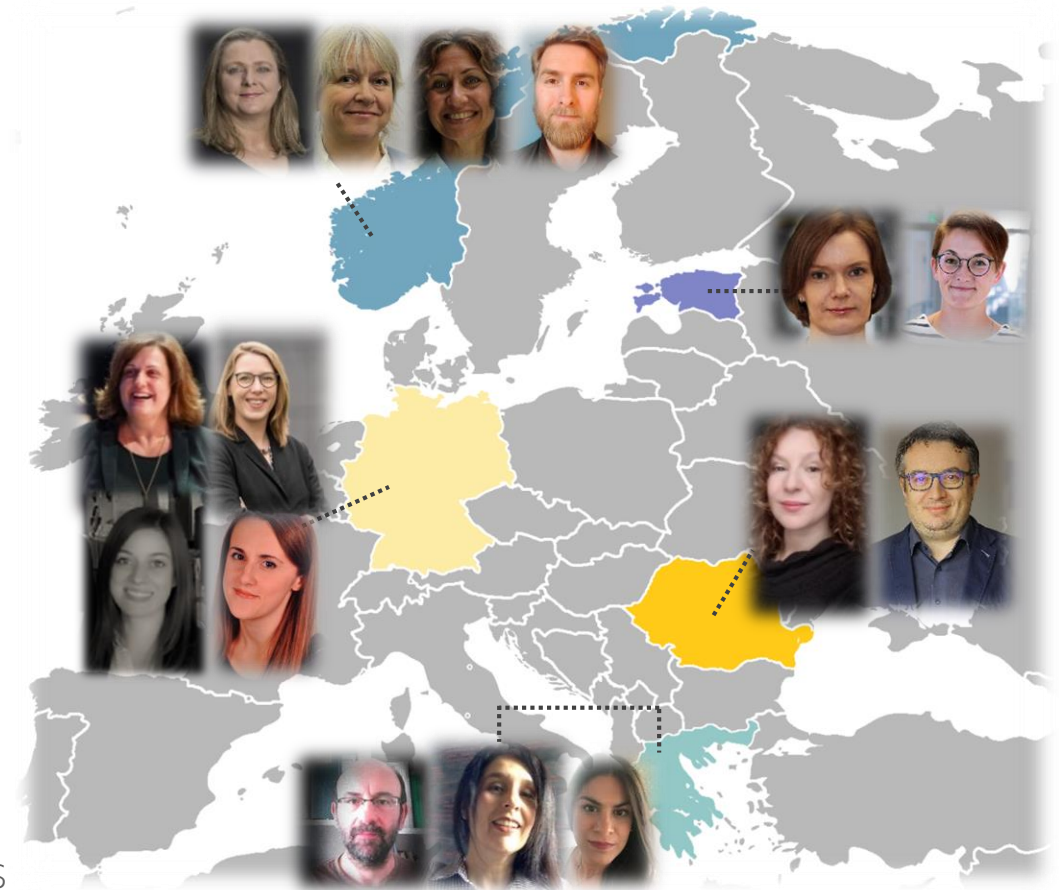
is one of the four
research areas
of the
DigiGen project.



1. Implementation and Development

Five DigiGen countries participating in WP5 'ICT in Education'

- **Estonia**, Tallinn, TLU
Merike Sisask, Gertha Teidla-Kunitsõn
- **Germany**, Paderborn, UPB
Birgit Eickelmann (Leader WP5)
Kerstin Drossel, Gianna Casamassima, Sonja Port
- **Greece**, Athens, UPSPS
Dimitris Parsanoglou, Maria Symeonaki, Aggeliki Kazani
- **Norway**, Oslo, OsloMet
Halla Bjørk Holmarsdottir, Louise Mifsud,
Greta Gudmundsdottir; Mikkel Bertram Rustad
- **Romania**, Cluj-Napoca, UBB
Monica Barbovschi (Co-Leader WP5), Paul Teodor Haragus



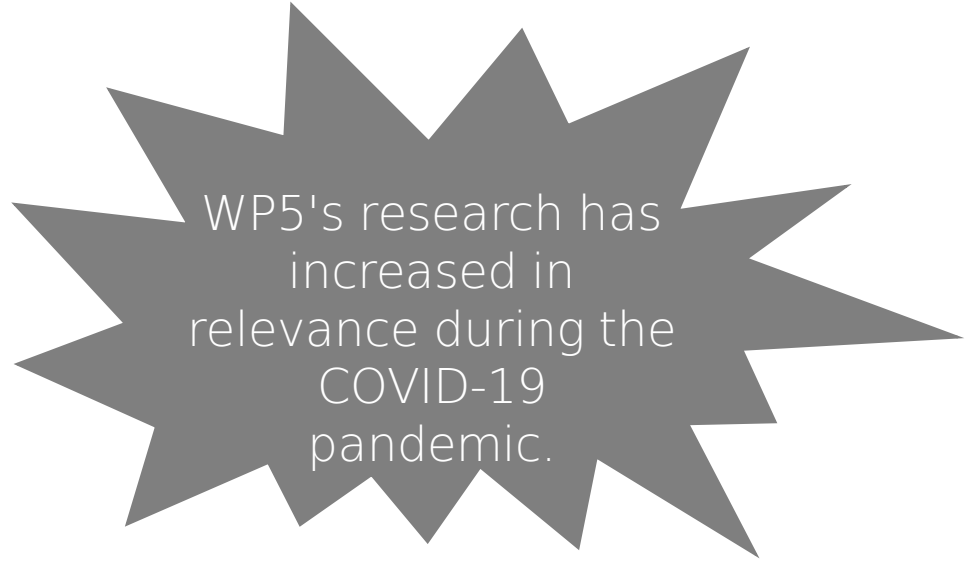
1. Implementation and Development

Research Question in DigiGen

DigiGen aims to develop an understanding of why and how some children and young people benefit from ICT use while others seem to be impacted negatively.

Main Research Question of WP5:

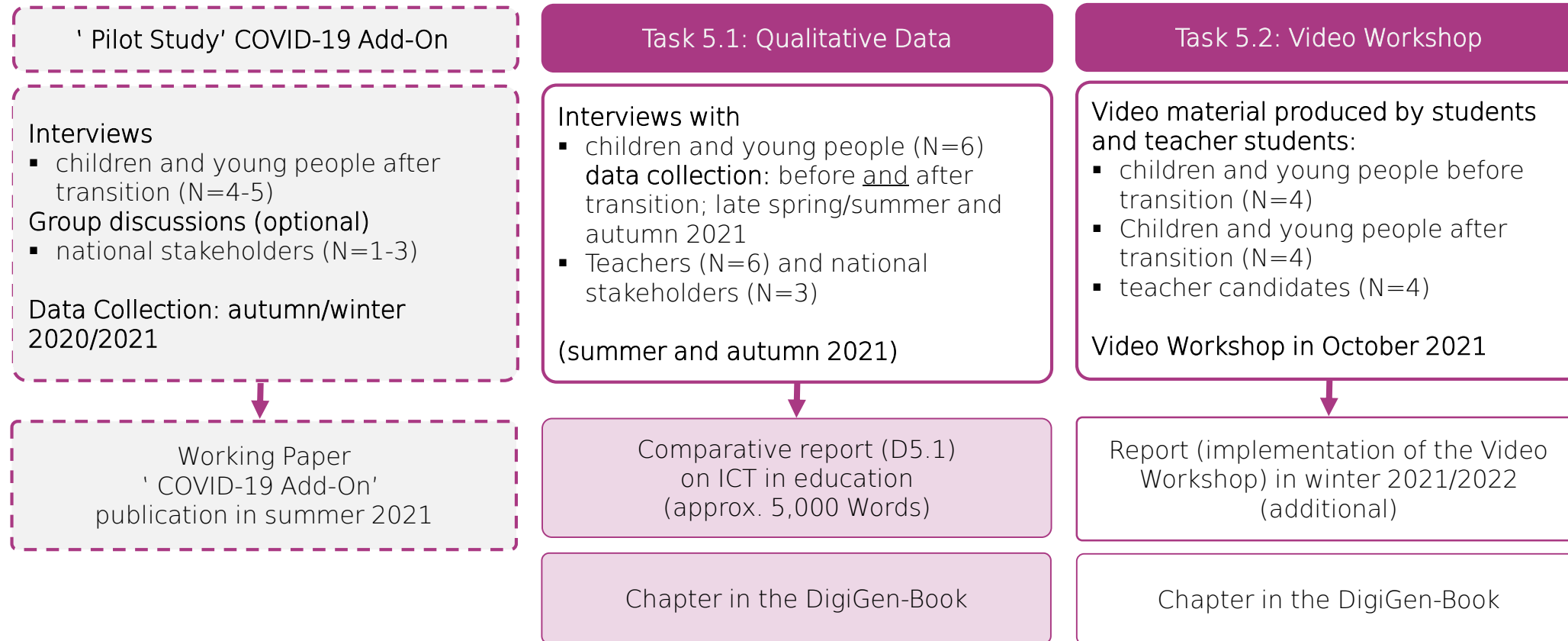
How do children and young people regard their education in terms of preparing them for future life in the digital age?



WP5's research has increased in relevance during the COVID-19 pandemic.

1. Implementation and Development

Data collection, instruments and outcomes of WP5



2. Insights into first Results and Disseminations



2. Insights into first Results and Disseminations

Pilot Study COVID-19 Add-On – Research Categories

- ICT access in and outside school
- ICT use in and outside school for school-related purposes
- Learning management and self-regulation using ICT
- Support by family members/teachers/peers using ICT for learning
- Children's and young people's attitudes towards ICT (in education)
- Children's and young people's interest in ICT beyond school
- Benefits and risks regarding ICT in education
- Mental health/well-being/stressors in the context of ICT in education
- Changes in school due to COVID-19 (also related to ICT in education)
- Teachers' readiness to integrate ICT in teaching and learning
- Expected long-term effect issues of ICT in education
- Wishes regarding ICT in schooling

'ICT in education'
from the perspective
of children and
young people
during the pandemic

Data collection
Dec 2020 and
Jan 2021



2. Insights into first Results and Disseminations

Pilot Study COVID-19 Add-On (interviews with children and young people)

"Some students did not manage to keep up and do what they were supposed to do by themselves, they fell behind in their work when we moved online only." [Norway]

"I miss my teacher and I cannot concentrate sometimes; or something at home distracts my attention." [Greece]

Risks
related to the use of
ICT in education

"We had to go on the internet and there we had to accept a lot of things and it's not always so good when you accept something where you don't know what it is. That can end very badly." [Germany]

"For example, when someone asks for your personal data or something like that, you will not automatically give it to them because that is how you are taught from home. Unless they challenged you to tell them and you somehow tell them, that's already called personal information theft and it's not ok. We're already getting to crimes and other nasty stuff." [Romania]

"You had to teach yourself the topics. And that's a big thumbs-down, because you could teach yourself completely the wrong thing, and then you'll do it wrong. But by then you've already learned it, and so it's difficult to relearn it. That was definitely the worst part." [Estonia]

2. Insights into first Results and Disseminations

Pilot Study COVID-19 Add-On (interviews with children and young people)

"So, the positive thing is that you become more independent in learning." [Germany]

"One of the pros is that it's quiet. And, well, people have different studying... like, comforts, so to speak." [Estonia]

"I became more familiar with the use of ICT and I have learned many things that will be useful in the future." [Greece]

Benefits
related to the use of
ICT in education

"The teacher made smaller groups so we could contact each other via Teams in our small groups and not have to ask the entire class." [Norway]

"It seems much easier to me online, I would say, that you don't have to look in a hundred sheets, from the notebook... you look at a single subject, you look at the files and you saw your lesson there. You no longer have to look in a bunch of notebooks, in a bunch of pages. You have them on your computer and you see and it's not a problem." [Romania]



2. Insights into first Results and Disseminations

Contributions

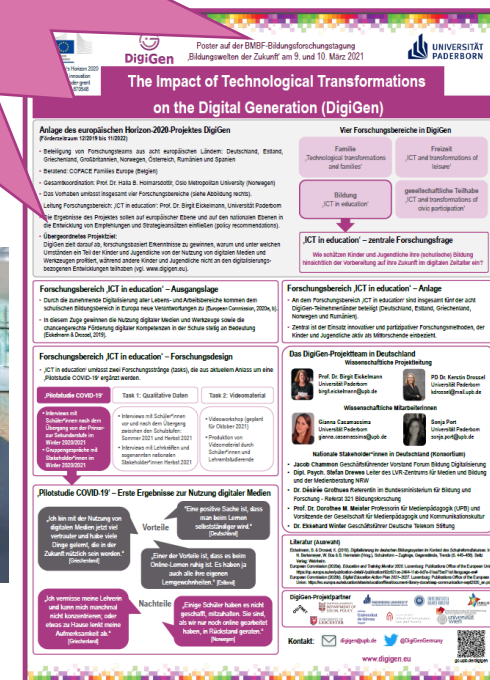
Online dialogue on digital education with Angela Merkel (April 2021)



The German chancellor Angela Merkel has made digital education and the question of how to ensure that all children and young people benefit from digitalisation a top priority. Together with the Federal Minister of Education and Research, Anja Karliczek, she therefore initiated the online dialogue "Kulturwandel Digitales Lernen" on digital learning with a number of school experts and scientists.

Among them was the head of the DigiGen project in Germany, Prof. Dr. Birgit Eickelmann from Paderborn University, who pointed to the success of other European countries and made it clear that schools need much more than just technology to prepare children and young people for their and our future.

'Market Stand' at the 'Educational Research Conference 2021' (online) of the German Federal Ministry of Education and Research (BMBF) (March 2021)



2. Insights into first Results and Disseminations

Further Contributions and publications currently in preparation

Conference contributions

- WP5 online seminar (co-organizer: COFACE)
- Conference contribution (paper accepted) European Conference on Educational Research (ECER 2021) (by team Germany and team Estonia)
- Interactive session on WP5 at the 'Conference Education and Digitalisation' of the 'Forum Bildung Digitalisierung' (co-organizer: two German stakeholders)



Publications (in addition to deliverable 5.1)

- WP5 working paper on the 'Pilot Study COVID-19 Add-On'
- WP5 working paper on the 'Video Workshop'
- Scientific paper on WP5 'Pilot Study COVID-19 Add-On'
- WP5 chapters in the book on the DigiGen project



Thank you for your attention and stay safe!

Contact

birgit.eickelmann@upb.de

www.upb.de/eickelmann

digigen@upb.de

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@DigiGenGermany



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de Girona



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