



Is the Structure of "Regular Working Days" about to Dissolve?

Changes in Employees' Time-Use Patterns Working in **Enterprise Collaboration Systems** During the COVID-19 Pandemic

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Agenda



- Background
- Data
- Dashboard and Results
- Conclusions















Motivation



- COVID-19 Pandemic ICT use/remote working reached new heights (Abendroth et al., 2022; Richter, 2020)
- Increased possibilities to communicate with colleagues and superiors independent of time and place
 - Measures to reduce spread of the virus demanded employers to grant work from home
 - Employees' needs increased to react flexibly to changes in *family situation* (e.g. school closures)
- Fuelled an ongoing debate about the flexibility potentials of telework:
 - Challenging local presence culture and
 - New risk of emerging digital presence cultures arising from expectations of increased availability of workers
- (Sociological) research on how ICT use permeates work processes and affects employees remains inconclusive
 - Negative: Decrease in boundary control, work intensification, challenges reconciling work and family (Mazmanian, 2013; Wajcman & Rose, 2011)
 - Positive: Increased autonomy, better family role, reduced Work family conflict (Golden & Geisler, 2016; Derks et al., 2016; Mazmanian, 2013; Hill et al., 2010; Wajcman et al., 2010)

Research Gap & Question

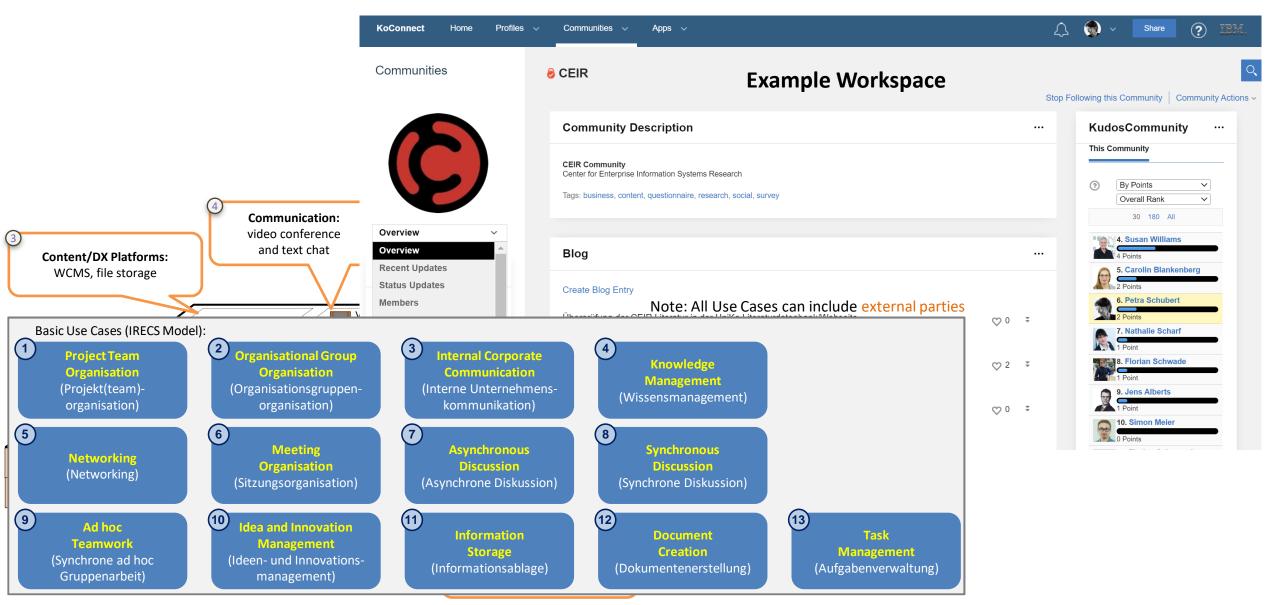


- Previous results mostly rely on cross-sectional survey data on employees' experiences during the pandemic
 - Work from home increased; communication habits and processes of cooperation changed (Van Zoonen et al., 2021)
 - Sectoral differences: increase OR decrease of working hours (Bünning et al., 2020; Kohlrausch & Zucco, 2020; Reichelt et al., 2021)
 - Household situation (constellation, number and age of children, economic situation) influenced stress-perception of pandemic (Kohlrausch & Zucco, 2020; Möhring et al., 2020)
- Still, we know little about how the actual **scope** and **time use-patterns** of digital communication technologies have developed throughout the pandemic

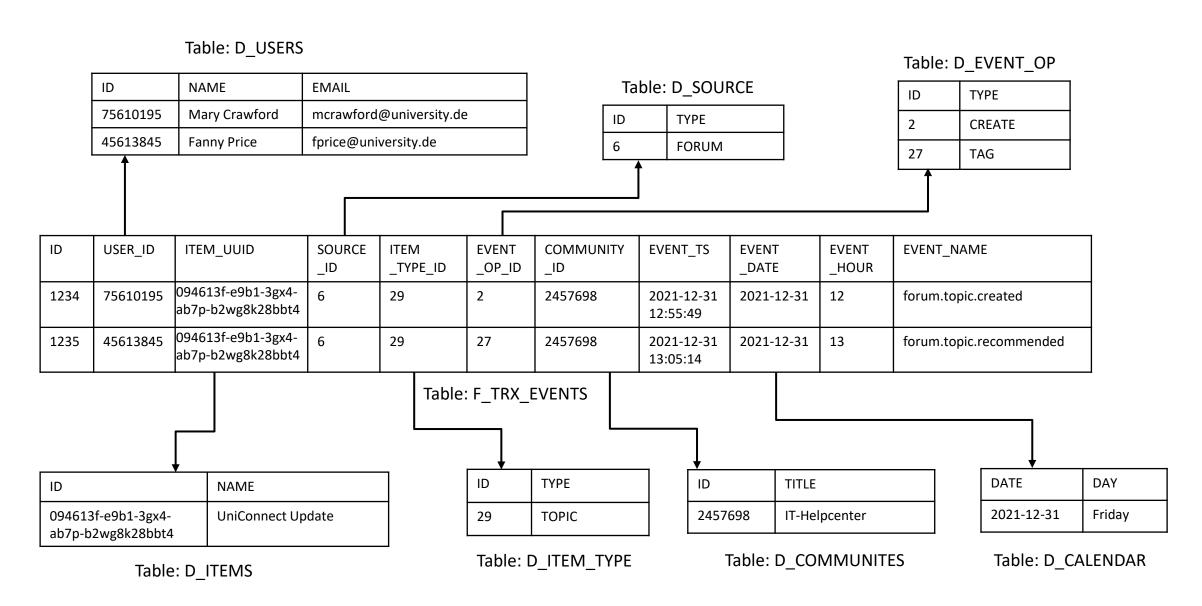
Did workers, using digital communication technologies, change the spread of their working hours throughout the day and week during COVID-19?

Large-scale Enterprise Collaboration Systems



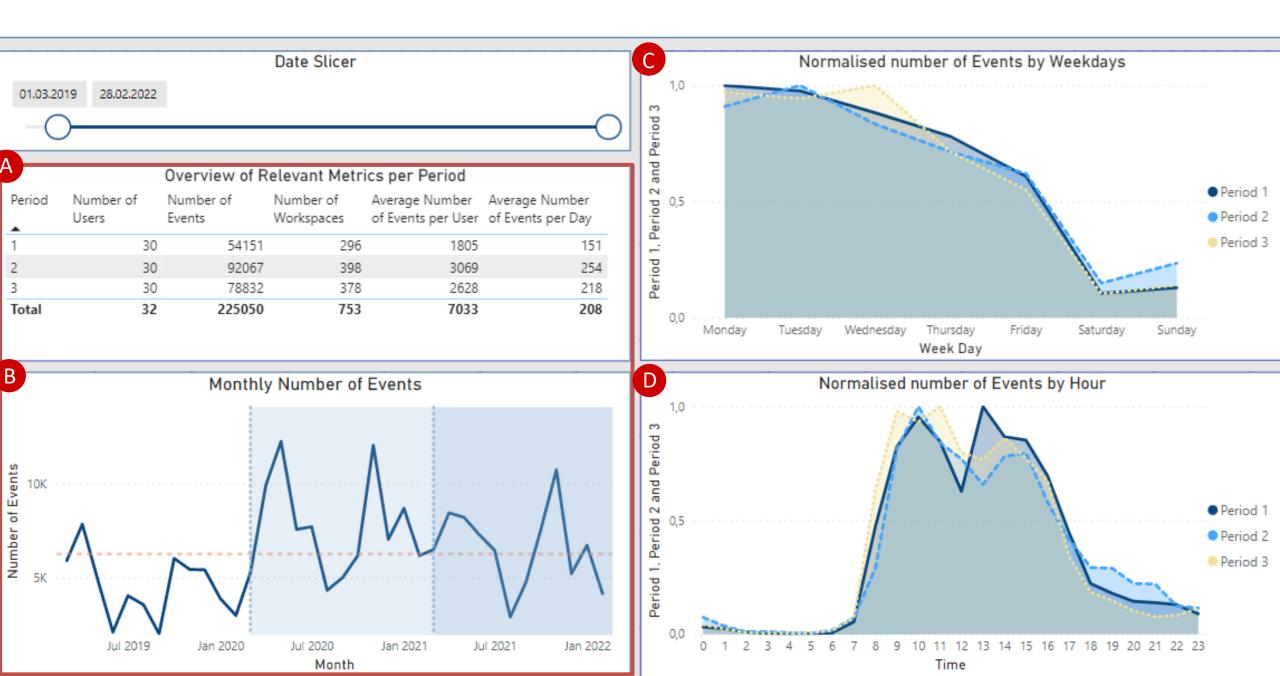


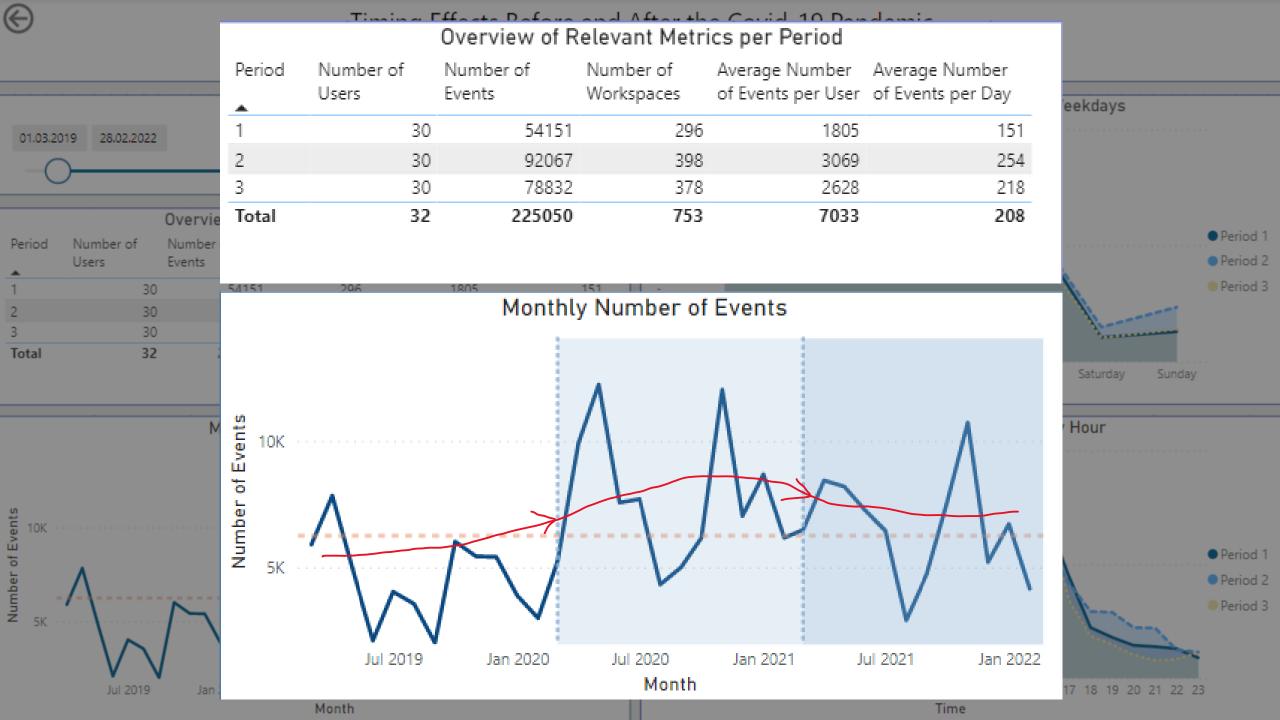






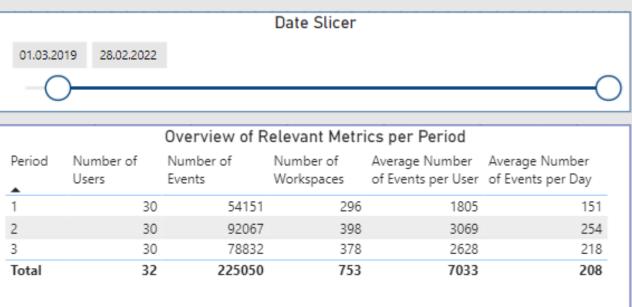
<u>Timing Effects Before and After the Covid-19 Pandemic</u>

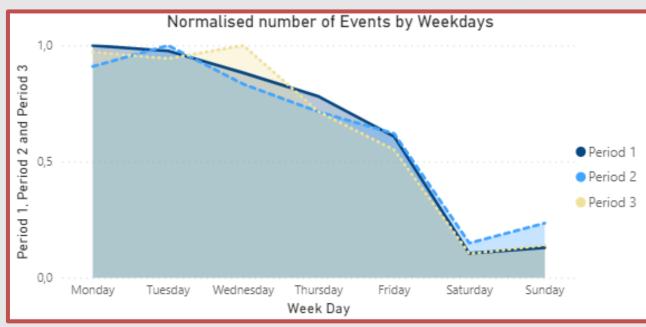


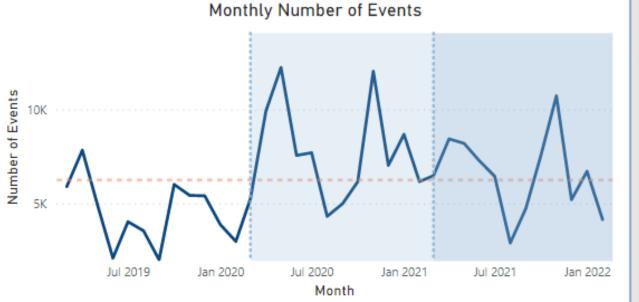


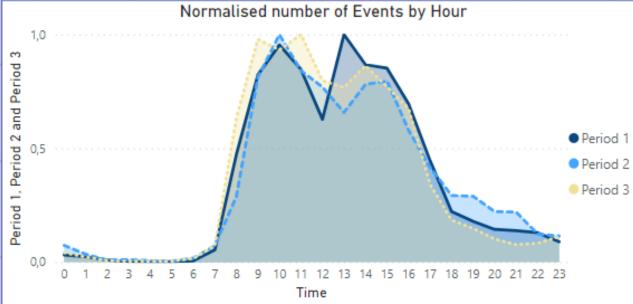


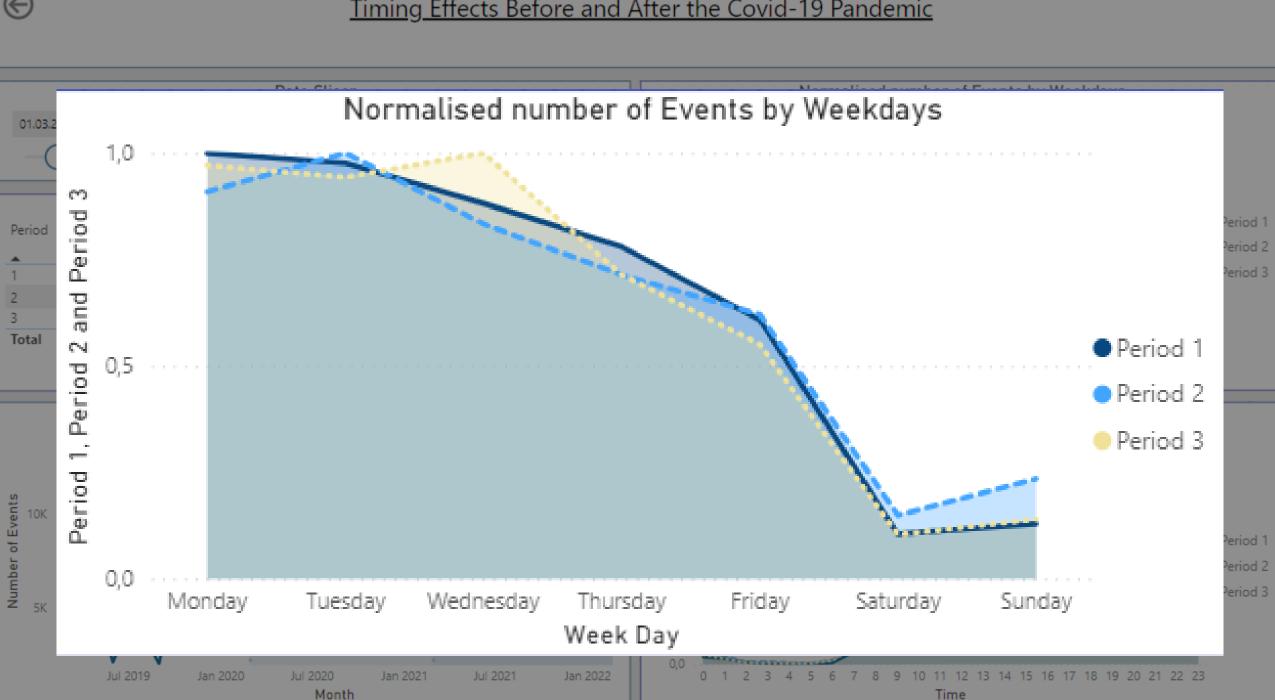
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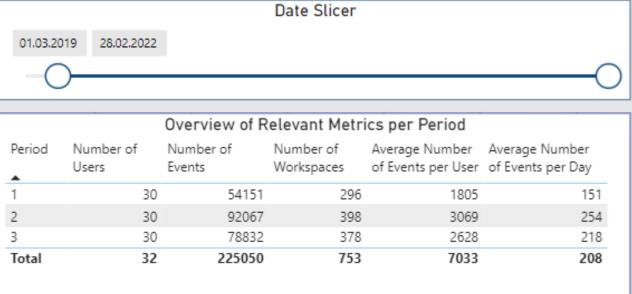


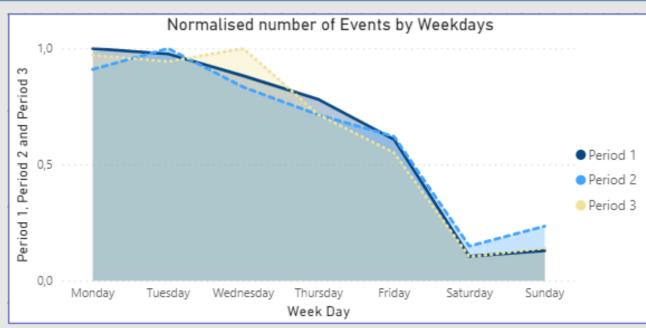




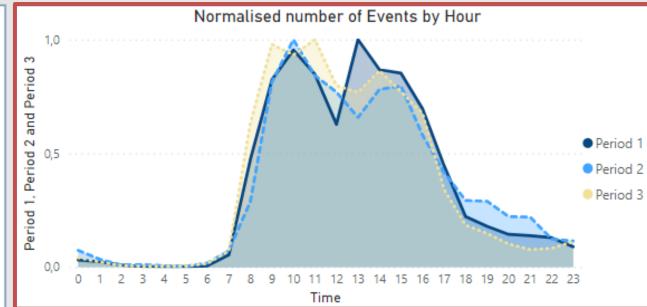


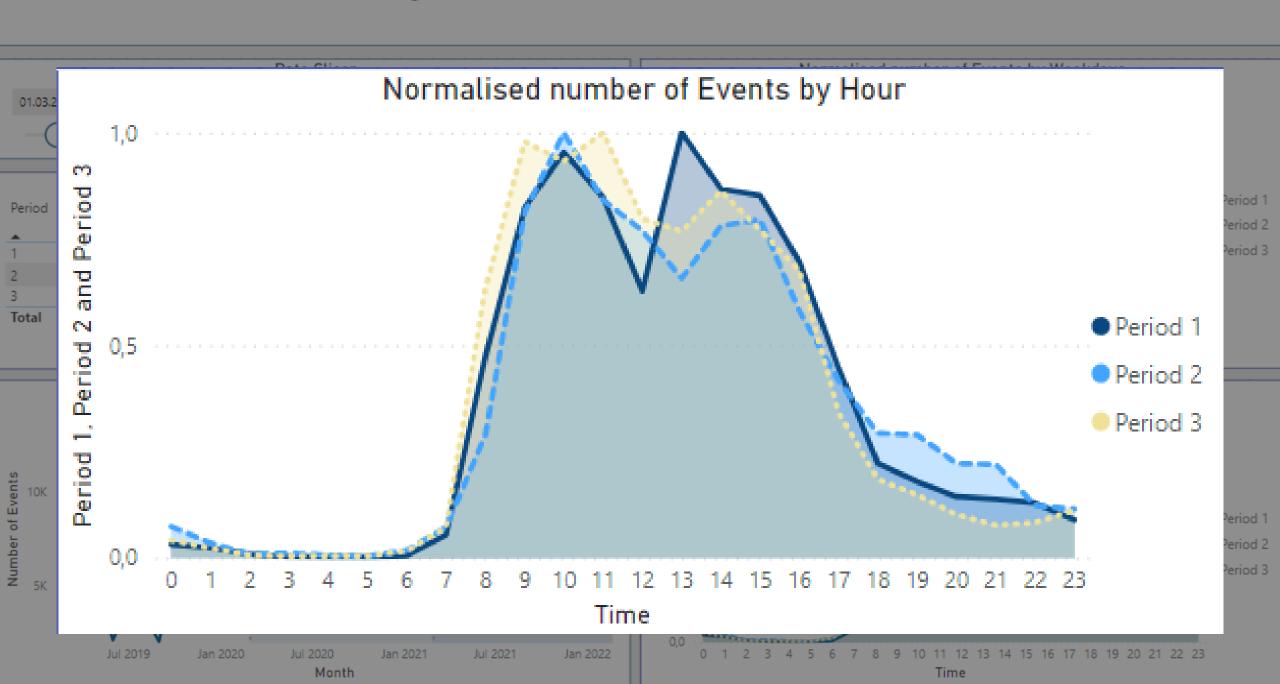
<u>Timing Effects Before and After the Covid-19 Pandemic</u>











Conclusions



- Permeation: Pandemic as a driver of permeation More work has been done digitally during the pandemic than before.
- Weekdays: At the beginning of the pandemic, employees increased work on weekends, but only marginally.
- Work hours: Restructuring the **workdays** in terms of working after hours or shifting lunch breaks was more common in the beginning of the pandemic. Long term trends point to more activity in the morning.
- Generalizations of findings difficult due to limited sample
- Nevertheless: Long-term results provide evidence in direction of more flexibility





Thank you for your attention.

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