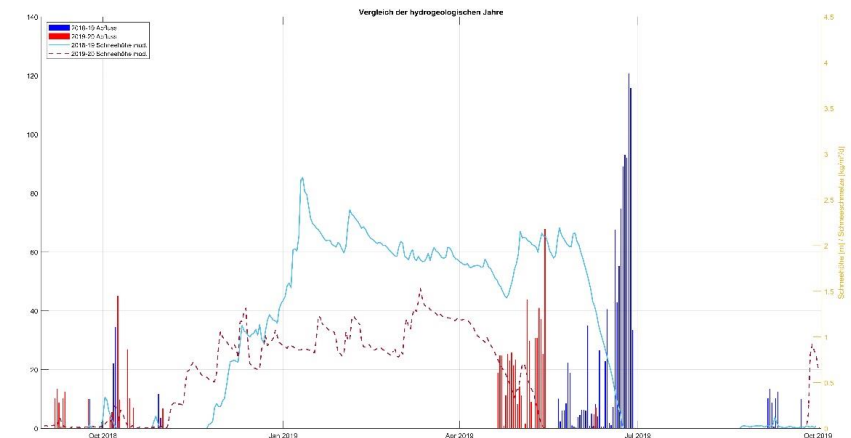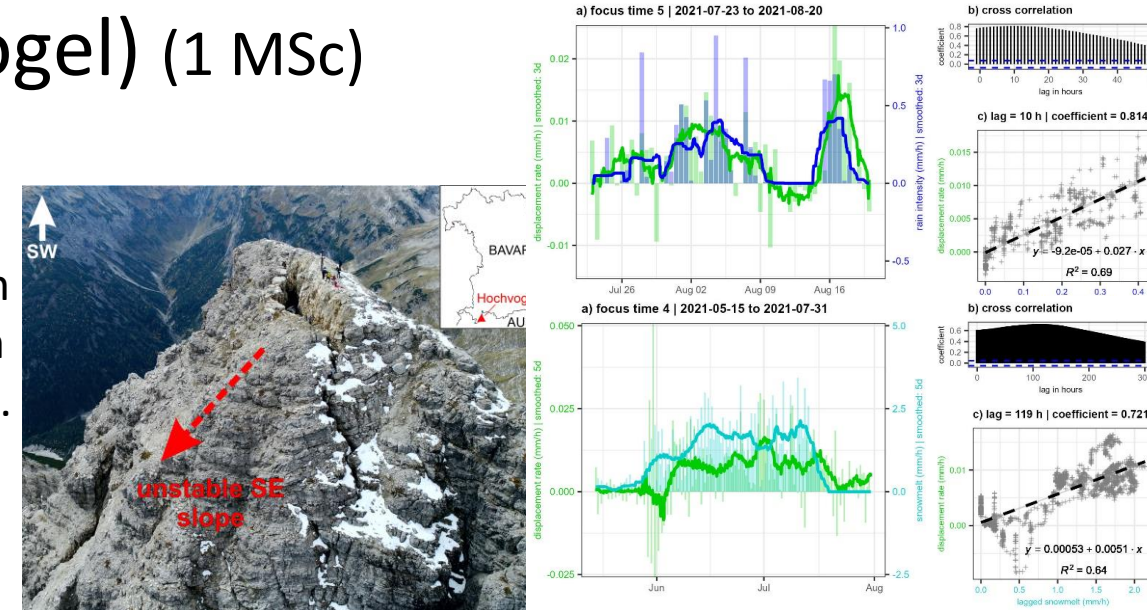# Integrating weather and snowmelt forecasts into rockfall early warning systems (Hochvogel) (1 MSc)

Language: German and English possible

We are operating a real-time monitoring and early warning system at the complex major rock slope instability at the Hochvogel. From our data we know that rainfall and snowmelt induce accelerations.

➢ Can we integrate weather data into the early warning system?
➢ Can we model snowmelt and forecast expected accelerations?
➢ Can we define warning levels based on all data?

→ develop early warning concept and thresholds, work with DWD-data/ forecasts, model snowmelt with Snowpack, integrate into automatic system

Kontakt: johannes.leinauer@tum.de