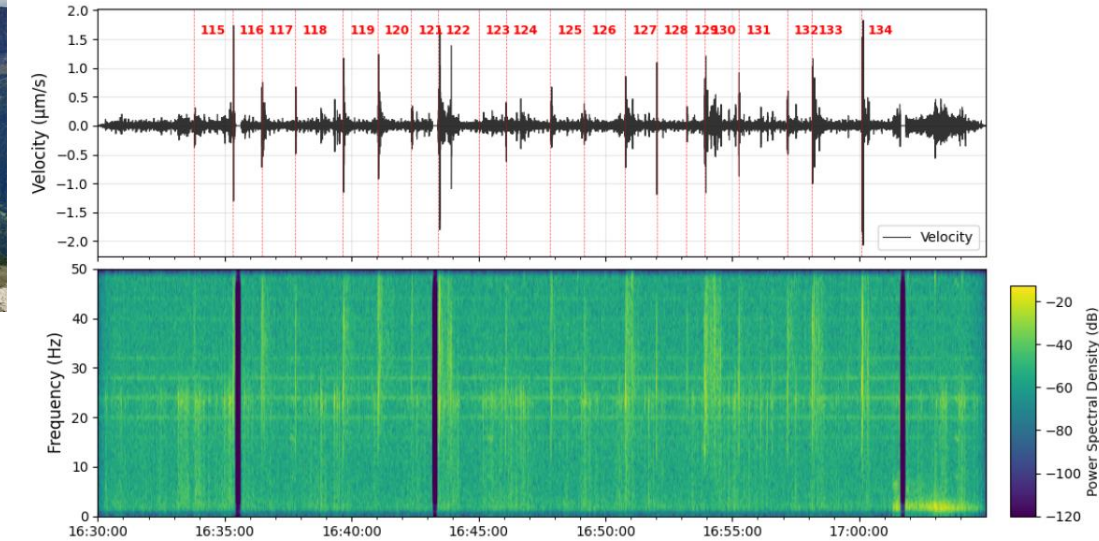


Implementation and analysis of automatic geophone stations for rockfall monitoring in alpine terrain (Hochvogel)(1 MSc)

Language: German and English possible

In 2025, we installed a newly developed automatic geophone at the Hochvogel to monitor rockfalls. In 2026, we want to install a second station and analyze the data in more detail to implement it into the early warning system.

- How does the automatic detection of rockfalls perform over many months of data?
 - Can we make the approach more robust with a 2nd station?
 - Can we locate events and give reliable warnings?
- Collaboration with AlpGeotech GmbH, setting up equipment in the field, must be safe in alpine terrain, must like coding or be willing to learn (e.g. Python for seismic data analysis), builds on previous thesis...



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