



## **SeisRockHT – Seismic Rockfall Monitoring in the Hohe Tauern region (A)**

Daniel Binder (1), Ingo Hartmeyer (2), Markus Keuschnig (3), Stefan Mertl (4), and Wolfgang Lenhardt (1)

(1) Central Institute for Meteorology and Geodynamics (ZAMG, Vienna), (2) Institute for Geography, Salzburg University, (3) Georesearch mbH (Wals, Austria), (4) Mertl Research GmbH (Vienna, Austria)

SeisRockHT focuses on open hardware and free software applied for scientific long-term monitoring strategies in harsh environments. In detail, SeisRockHT aims at the establishment of two seismic networks to quantitatively observe seismicity and rockfall events at high alpine north faces. Due to the rare character of rockfall events, a continuous and long-term observation strategy is targeted. Two study sites were selected for monitoring: the Kitzsteinhorn and the Hohe Sonnblick exhibiting two different scales of monitoring networks. The smaller scaled Kitzsteinhorn investigation site is closely related to bedrock permafrost processes, whereas the larger-scaled Sonnblick investigation site aims a classic alpine north face. Last field season the two monitoring networks were set up. We are presenting data of the two networks and quantitatively evaluate and discuss the data quality of the individual stations.