



ID: P3.1-265

Type: e-Poster

value of low-cost seismic and infrasound sensors to local monitoring

Thursday, 1 July 2021 11:45 (15 minutes)

In the framework of a tabletop-exercise of the Austrian NDC scheduled ground detonations within a week in November 2020 were monitored. Therefore, a local network was deployed. Additional to the permanent seismic station ABNA in the vicinity, the NDC deployed two seismic broadband stations with co-located low-cost seismic and infrasound sensors as well as a mobile infrasound array.

After the location of the scheduled ground explosions further analysis of the waveform data was performed: we reviewed the quality of the different seismic sensors as well as the added value of the low-cost infrasound sensor. Additionally, we looked into the background noise at the newest permanent station ABNA of the Austrian Seismic network.

Promotional text

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Session Classification: T3.1 e-poster session

Track Classification: Theme 3. Verification Technologies and Technique Application: T3.1 - Design of Sensor Systems and Advanced Sensor Technologies