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

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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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