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of the Central and Eastern European Infrasound Network 2023-2024

The Central and Eastern European Infrasound Network (CEEIN) was established in 2018 as a cooperative initiative among research institutions in Czechia, Austria, Hungary and Romania, with Ukraine joining in 2019. Currently, CEEIN consists of 10 infrasound arrays, making this a dense network with great monitoring capabilities. This study presents the biannual CEEIN bulletin for 2023 and 2024, continuing our previous work on regional infrasound monitoring. The bulletin includes both seismoacoustic events (e.g. quarry blasts) and infrasound-only detections (e.g. eruptions of Mount Etna). Seismoacoustic events are re-located using the iLoc algorithm to improve spatial accuracy. By systematically cataloguing and analyzing these events, the CEEIN bulletin supports regional monitoring efforts and fulfills the need for datasets that can serve as a foundation for future studies.

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