



## 2011-2020: A Decade of global volcanic events observations at the IMS Infrasound network



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- Our poster is about correlation of volcanic eruptions from the Global Volcanism
  Program (GVP) database with infrasound detections from the IMS network.
- Why it matters: volcanic infrasound confirms eruptive activity, improves hazard assessment, and strengthens global monitoring.
- What we did: designed and validated a detection algorithm, systematically applied to 69 eruptions (VEI > 3) from 46 volcanoes worldwide (2011–2020), using IMS data from 43 stations, and compared results with CTBTO/IDC bulletins.
- Key results: IMS detections show strong correlation with reported eruptions and with CTBTO/IDC bulletins (LEB, SEL3, REB).
- Why it is fascinating: infrasound travels long distances, even when a volcano is hidden by clouds or darkness, making it a powerful monitoring tool.

Want to know more? Come and chat with us in front of the poster!

