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Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO) / Seismic Safety Solution

P5.1-551

- **Our poster presents** the necessity of infrasound stations to strengthen monitoring in Indonesia.
- **This is technically significant** because infrasound arrays detect low-frequency acoustic waves from earthquakes, tsunamis, volcanic eruptions, and potential underground nuclear tests — signals that are not fully captured by seismic networks.
- **We assessed** BMKG catalogues, IMS data, and array modeling to identify optimal siting, including Ujung Kulon and additional candidate locations.
- **The key result** is that permanent infrasound stations, co-located with seismic nodes, would greatly enhance national early warning and Indonesia's role in CTBT verification.
- For further details, please visit our poster for discussion ([P5.1-551](#))

