The present technology and future challenges of the seismic monitoring used in the International Monitoring System (IMS), CTBT

LIGHTNING TALK

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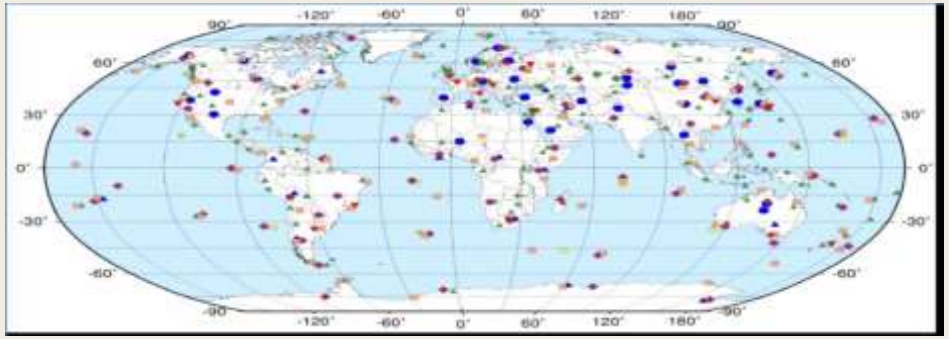
P4.1-169

Come over to see our poster if you would like to find out more about :-

- IMS Detection capabilities
- Applications of seismic technologies.
- Future challenges of the seismic monitoring



The most important result of our work is the discrimination between earthquake and explosion such as On Sept.r 3, 2017 at 03:30:00 UTC with M =6.3. The detection capability of approximately magnitude mb = 4.0 or ~1 kiloton (kt) for nuclear explosions is being exceeded by existing IMS primary and auxiliary stations today. IMS stations now detect nuclear blasts down to mb = 4.0 (~1 kt), as well as earthquake aftershocks.

If you want to learn more about this, come see my e-poster during session P4.1-169 or access it online on the SnT2025 Conference platform!