Enhancing the Nuclear Explosions Waveform Repository: Integrating Data Contributions from National Institutions and Networks
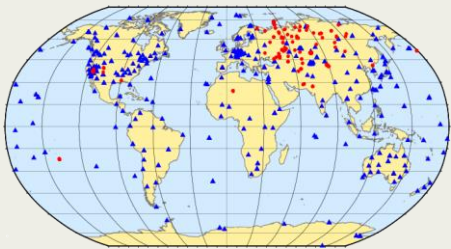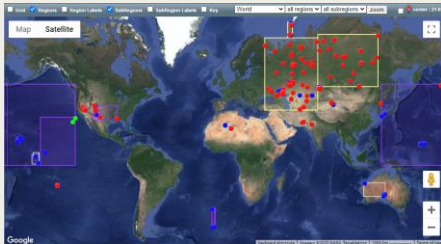
P2.4-747

Victoria Oancea, Yu-Long Kung, Jack Murphy, Paul Piraino
Leidos, USA

- Our poster is about **the "Waveforms From Nuclear Explosions (WFNE)" repository**

- I am going to tell you **how valuable is this large collection of quality checked raw and parametric data for all the 2,157 nuclear explosions detonated worldwide between 1945 and 2017 and how much information we added since 2023 SnT when we opened WFNE for user access**

- And what we did **to collect new data from open sources, format it, QC and merge in the repository, also present it via a friendly web interface**

- The most important result of our work is **providing user access to the WFNE repository: over 140,000 waveforms, station/instrument information, origin, bulletin, other geophysical data, downloadable in "event bundles"**

- If you want to find out more, come over for a chat in front of our poster P2.4-747