SnT 2023
CTBT: SCIENCE AND TECHNOLOGY CONFERENCE
HOFBURG PALACE - Vienna and Online
19 TO 23 JUNE

**Resonance Seismometry: Search for
Tiny Tot Underground Nuclear Explosion at Nevada Test Site**
Rolf Häfner, Marco Walter and Manfred Joswig
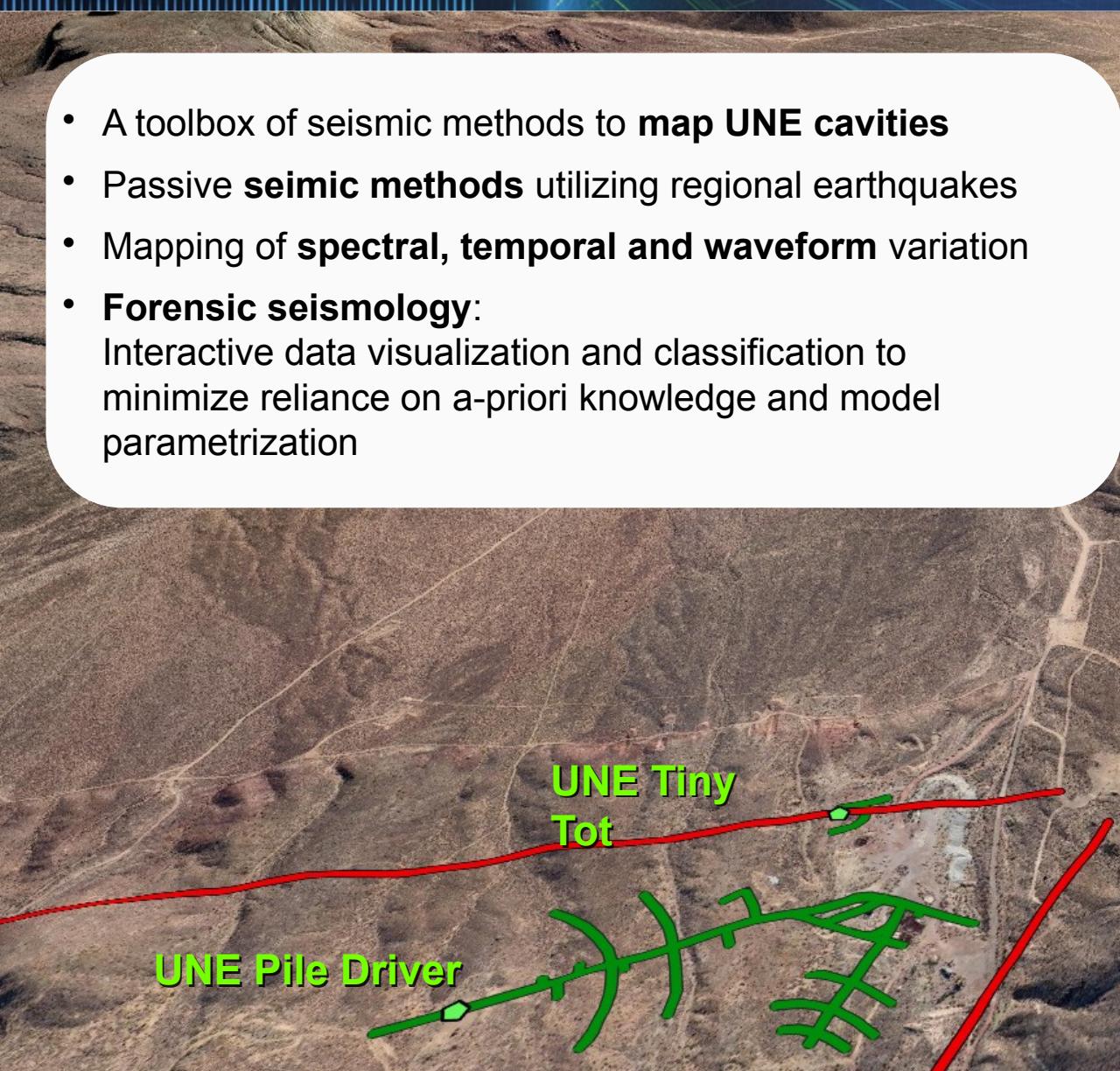Sonicona GbR, Tübingen, Germany, www.sonicona.com

lightning Talks

P2.2-467

- A toolbox of seismic methods to **map UNE cavities**

- Passive **seimic methods** utilizing regional earthquakes

- Mapping of **spectral, temporal and waveform** variation

- **Forensic seismology**:
  Interactive data visualization and classification to minimize reliance on a-priori knowledge and model parametrization

Sonicona
seismic software & services

UNE Tiny Tot

UNE Pile Driver

- UNE Test Site
- Tunnel System
- Geophone Line
- A-G: Identified anomalies
- Geological map from Townsend and Obi (2019)