

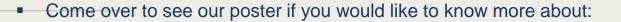


## Colossal seismic activity of the Fentale-Dofen magmatic segment in the LIGHTNING To 12 SEPTEMBER main Ethiopian rift from September 2024 to March, 2025: potential source for

around truth events

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- Fentale Dofen volcanic activity in the Main Ethiopian Rift (MER)
  - The volcanoes as a natural lab to study active continental rifting
  - The volcano sources as a potential source for ground truth events
- Major challenges in volcano monitoring
  - sparse station distribution
  - Limited real-time seismic stations
  - Manual data analysis
- Lessons learnt for Disaster Risk Management (DRM)

