

Activities as a Source of Infrasound Proposed Station in Jordan

Jordan is a relatively small country situated at the junction of the Levantine and Arabian areas of the Middle East. The Dead Sea fault zone is a major left-lateral strike-slip fault. South of the Dead Sea basin, the Wadi Araba fault extends over 160 km to the Gulf of Aqaba. The Dead Sea fault zone (DSTF) is known to have produced several relatively large historical earthquakes. However, the historical events are unequally distributed along the fault and only four events have been reported in the Araba valley over the last few thousands of years. The DSTF can be the main source of Infrasound waves. The Jordanian Phosphate mines are mainly located in Central East part of Jordan and Southern East part. Their mining explosions and activities may play important role as a source for proposed Infrasound Station in Jordan. The other main source may be the explosions (WAR in Syria and Iraq). In The last few years two many suspected (Events) Earthquakes has been Recorded due to this War. Beside the CTBTO seismic Station in Jordan (Tal Al Asfar) The major benefits will be for Jordan NDC and its staff to upgrade their knowledge in both technologies,

Primary author: SWEIDAN, Ghassan Ahmad (Jordan Seismological Observatory)

Presenter: SWEIDAN, Ghassan Ahmad (Jordan Seismological Observatory)

Track Classification: Sources and Scientific applications