ID: Type: **Poster**

Infrasound Station Suggestion in JORDAN

Infrasound monitoring is a key technology in the CTBT verification regime and the Commission has an interest in advancing the capability of the IMS to detect explosions in the atmosphere. In the past the PTS is sponsoring an infrasound calibration experiment in the eastern Mediterranean region. The experiment is to calibrate and validate the processing methods used by the CTBTO to detect and locate infrasound events. An earlier,similar experiment was carried out in the summer of 2009. The next one was occurred in winter 2011,when the winds are in the opposite direction. The large explosion was detected over a wide region and to distances up to 3500 km. The PTS was collaborated to deploy additional sensors in Qatar, Kuwait,Oman, Kazakhstan, Georgia, Russia, Cyprus, Greece, in addition to Jordan. A site survey is recommended to locate as quiet an environment as possible. The sites should be protected from wind noise by vegetation and as far as possible away from local infrasound sources (heavy industries, dams, wind farms, sea coast) that increase the observed infrasound noise levels at distances up to tens of kilometers. We need the PTS experiences to do this project because we have not any experiences in this field.

Primary author: OLIMAT, Waleed (Jordan Seismological Observatory)

Presenter: OLIMAT, Waleed (Jordan Seismological Observatory)

Track Classification: Sources and Scientific applications