

## **Survey for Portable Infrasound Station in Jordan**

Sound waves with frequencies less than 10 Hz are referred to as infrasound. These waves have long wavelengths ranging from tens of meters at 10 Hz to several tens of kilometers near 0.01 Hz. Natural Sources of infrasound in Jordan include: earthquakes, aircraft and machinery such as wind turbines. Infrasound Technology is to detect and locate explosions in the atmosphere. It can be used in Jordan by station installation in well studied location, then connect it with National Data Center (NDC) in Jordan Seismological Observatory to receive data and signals. Suggested locations may include northern parts of Jordan in Ajloun area of lower Cretaceous such as Barqash or Eshtafina forests. These areas are recommended since they are flat areas with low surface wind, government protected and have low background noise.

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