

## Mechanisms in Egypt

The focal mechanisms for earthquakes in and around Egypt is calculated during (2004 -2016) using the waveform data recorded by the Egyptian National Seismological Network (ENSN) and the International Data Center (IDC) of the Comprehensive Nuclear Test Ban Treaty Organization (CTBTO). These solutions are computed by joining P, S\_H, S\_V polarities and S\_V/P, S\_H/P and S\_V/S\_H amplitude ratios where the quality of each solution is evaluated. This set of solutions is considered as a completion of the Egyptian focal mechanism catalogue. It will be helpful in understanding the temporal changes in the stress field and one of methods for discrimination between Explosion and Natural Events.

**Primary author:** METWALLY, Mona Abdelazim Abdalla (National Research Institute of Astronomy and Geophysics (NRIAG))

**Presenter:** METWALLY, Mona Abdelazim Abdalla (National Research Institute of Astronomy and Geophysics (NRIAG))

**Track Classification:** 2. Events and Nuclear Test Sites