

CTBTO's Seismic Data Products

A good deal of seismic data is acquired, processed, analysed and stored by CTBTO's IDC. A number of times CTBTO has issued tsunami early warnings based on its seismic data acquisition systems and sensors deployed across the world. The data products though available can be made more sophisticated. Focal Mechanisms (Moment Tensors) and waveforms data can also be shared using an open portal platform for public access at least for major seismic activities. At present, USGS is the only organization producing focal mechanism for events larger than 5 Mw. However, moment tensors and waveform data of an independent source like CTBTO will help in advancing related science. Focal mechanism helps in studying shifting of thrust in active seismic regions and can lead to the most demanded analysis. This can subsequently lead to the formation of reports on regional seismicity helping in saving precious human lives and properties. This humanitarian cause falls in line with the moral cause of banning nuclear testing, both aiming at saving precious human lives.

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