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Regional tectonic activity and its impact on increasing level earthquakes in Iraq

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Iraq is a country subject to seismic activity associated in a belt Zagros-Taurus which is caused by the collision of the Arab plate with the Eurasian plate. Where the Arab plate is affected by three types of tectonic boundaries: divergent boundaries, convergent boundaries, seam boundaries. The Arab plate moves north-east, leading to the expansion of the area of the Red Sea and the Gulf of Aden on one hand and increasing the collision at the mountains of Makran, Zagros and Taurus on the other hand. We note this motion from time to time being represented by light, medium and strong earthquakes. The Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO) provides the Member States, by the requirements of the verification regime, the data from seismological monitoring stations, one of the four techniques used by the organization to achieve its goals of making the world free from Nuclear weapons and supporting the scientific and practical side concerned with the monitoring of earthquakes and their effects. In this poster the level of seismic activity witnessed in Iraq from 2017 to 2018 and defining mb, Ml to determine Mw which was signal of increasing seismic activity is shown.

Promotional text

This poster illustrates the effectiveness of the seismic monitoring stations of CTBTO in monitoring regional seismic events.

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