

1.5-P09. Contribution of CTBTO seismic data to Ghana's earthquake monitoring

The National Data Centre in Ghana five years on has made tremendous progress towards the goals of the CTBTO. The data centre which was established in 2010 with the aim of monitoring compliance of the CTBT has also benefited the country in the monitoring of seismic activity. We are integrating IMS seismic data with our national data in the monitoring. The national earthquake catalogue and events obtained from the IDC products and the IMS data is used for earthquake hazard assessment. Ghana is located in a seismically active region and has been affected by two major earthquakes of magnitude 6.5 on the Richter scale in 1862 and 1939. Twenty seven (27) earthquakes of magnitudes ranging from 1.7 to 4.5 have been recorded since the establishment of the Data Centre. The use of CTBTO data is therefore very crucial in the seismic hazard assessment. This is one of the numerous scientific benefits of the CTBTO to the NDC. The NDC is complementing the efforts of the Geological Survey Department of Ghana in monitoring seismic activity in the country with the data it receives from the IDC. Periodically the Centre organizes training programmes for staff and our stakeholders for capacity building.

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