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## Seismic hazard studies in Ghana and the success story

*Friday 12 September 2025 11:00 (1 hour)*

Ghana is in a seismically active region and has experienced two major earthquakes of magnitude 6.5 on the Richter scale in 1862 and 1939. Twenty lives were lost in the two earthquakes and many structures were destroyed. In recent times earthquakes of magnitude 1.0 to 4.8 have been recorded in the country. This study is focused on the recent earthquake activities in Ghana and is intended to raise awareness on the rising seismic activities and awaken relevant authorities and the public on the need for timely measures for mitigating the risks and disasters associated with earthquakes in Ghana. The National Data Centre in Ghana fourteen years on has made significant progress towards the goals of the CTBTO. The data Centre established in 2010 with the aim of monitoring compliance of the CTBT has also benefited the country in the monitoring of earthquakes. We are integrating IMS seismic data with our national data in the monitoring for our seismic hazard studies. This is one of the scientific benefits of the CTBTO to the NDC. The NDC is complementing the efforts of the Ghana Geological Survey Authority in monitoring seismic activity in the country with the data it receives from the IDC.

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