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## of CTBT-NDC data in geoscience education of Bangladesh

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Bangladesh, a Comprehensive Test Ban Treaty (CTBT) signatory country since 24 October, 1996, is the 54th state to ratify CTBT on 8 March, 2000. Auxiliary Seismic Station (AS007 BRDH) in Bangladesh, accredited as an internationally certified station, receives the seismic data from International Data Center (IDC) of CTBTO. The seismic station AS007 was established to monitor the activities of nuclear testing through seismic wave propagation in the region. Geoscientists of different academic and professional institutions have been analyzing seismic travel time data from various sources. Accordingly, the objective of the present report is to find out the potential application of regional seismic travel time (RSTT) data in the geoscience researches of Bangladesh. The RSTT data can be applied to analyze this subsurface geological information with the combination of other CTBT seismic stations of the region. Besides seismic data, the IDC has other products, such as radionuclide and noble gas distribution data around the world, hydro-acoustic data for tsunami warning system, etc. Therefore, there is ample scope of introducing IDC products to the geoscience education of Bangladesh. As part of R&D activities through the CTBT-NDC, BAEC is working on this aspect by collaborating with the geology departments of several universities.

### Promotional text

The proposed study is aimed to introduce the IDC products for their potential application in geoscience education in Bangladesh as well as the necessity of the capacity build up of NDC to implement the activities related to the objectives.

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