

## **Promotion of Civil and Scientific Applications of Data and Techniques used for Nuclear-Test-Ban Verification**

**PROMOTION OF CIVIL AND SCIENTIFIC APPLICATIONS OF DATA AND TECHNIQUES USED FOR NUCLEAR TEST BAN VERIFICATION ABSTRACT** By: Harun R. Muturi During the process of monitoring the globe for signs of nuclear explosions, the CTBTO monitoring network generates large amounts of data which has potential to be used for civil and scientific applications in many areas. Data and spin-offs from the International Monitoring System (IMS) stations are being used by scientists and policy makers among others to better understand our planet and manage our environment, and are being applied in diverse fields, ranging from atmospheric and climate science, monitoring of tsunamis to recording of earthquakes and tracking marine mammals. Civil and scientific applications of the data and spin-offs of the IMS stations can, therefore, significantly contribute towards improving human welfare and need to be promoted. The CTBTO, national governments and international research institutions, among others, can play an important role in the promotion of civil and scientific applications of data and spin-offs of IMS stations. Wide promotion of techniques arising from nuclear test ban verification through different approaches is being recommended.

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