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Civil and Scientific Applications of International Monitoring System (IMS) Data and Spin-offs

During the process of tracking the globe for signs of nuclear explosions, the monitoring network of the CTBTO generates huge amounts of data that assist scientists to understand our Earth in a better way. IMS data and spin-offs can be applied by scientists and other interested parties in diverse fields, ranging from atmospheric studies to recording of earthquakes, warning of impending tsunamis and storms and tracking movements of marine mammals among others. With support from scientists, policy makers can use the data to warn people of impending disasters and therefore save lives. These efforts can contribute significantly towards expansion of human knowledge and development. A broad range of outreach initiatives and science communication including public lectures, print and electronic media, social media, training courses and conferences can be used to promote civil and scientific applications of IMS data and techniques used for nuclear test ban verification. The CTBTO, national governments, national and international organisations, academic institutions, among others can play an important part in the promotion process. Measures aimed at promoting wide civil and scientific applications of IMS data and spin-offs by relevant stakeholders are being recommended.

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