

T3.3-O1. Advancement of the CTBTO Link to the ISC Database

The Link to the database of the International Seismological Centre (ISC) provides both PTS and National Data Centres with dedicated access to seismological datasets maintained by ISC using specially designed graphical interfaces and database queries. This service gives access to several products: the ISC/ISS bulletins of natural seismicity of the Earth, mining induced events as well as nuclear and chemical explosions; the EHB bulletin and the IASPEI Reference Event list (GT). The database searches are tailored to the needs of the monitoring community and are divided into four categories: the Area based spatio-temporal search (based on ISC Bulletin), the REB based spatio-temporal search (based on specific REB events), the GT event based search and the IMS station based search (historical reporting patterns of stations close to IMS sites). Recently, we made considerable improvements to the waveform preview/request tool that deals with non-IMS waveform records of the REB and GT events as well as to the tool that allows on-line relocation of REB events using additional station data available at the ISC. The service has been extensively used by the NDCs and PTS and proved useful during both the NDC Preparedness Exercise (NPE2013) and the OSI Integrated Field Exercise (IFE2014).

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