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## The CTBTO Link to the ISC Database

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The CTBTO (Comprehensive Test-Ban Treaty Organisation) link to the International Seismological Centre's (ISC) database is a collection of tools and graphical interfaces for analysing and plotting the datasets maintained by the ISC. The ISC database includes the seismicity of the Earth reported by national seismological agencies around the world, mining induced events as well as nuclear and chemical explosions. The service gives special access to the CTBTO and the national data centres, via simple database queries. Four main search tools are available: the area based search (spatio-temporal search based on the ISC Bulletin), the REB based search (spatio-temporal search based on specific events in the REB), the ground truth (GT) based search (spatio-temporal search based on IASPEI Reference Event list) and the International Monitoring System (IMS) station based search (historical reporting patterns of seismic stations close to a selected IMS seismic station). The link provides details on seismicity, frequency-magnitude distributions, network hypocentre comparisons, individual station data and waveform request tools, as well as a hypocentre relocation facility using the ISC locator for the events in the IASPEI Reference Event list. Moreover, a new waveform tool is currently under development, taking into account earthquake magnitude, epicentral distance and station quality criteria, in order to provide a more comprehensive and efficient visualisation of the available non-IMS waveforms of the REB events.