

3.3-O2. An integrated data acquisition, processing and analysis platform for NDCs: The Extended NDC-in-a-BOX (EU/CTBTO Joint Action V)

CTBTO provides technical assistance that enables Member States to work with monitoring data and IDC products. This assistance includes the distribution and installation of software package, so called NDC-in-a-box (NIAB) which gives the NDCs the capability to receive, work with and analyze seismic hydroacoustic and infrasound data. In 2013, in the framework of European Joint Action V under NDC Capacity Building Programme (EU Council Decision 2012/699/CFSP), CTBTO has engaged in efforts to extend the current NIAB waveform package by adding the capability of common processing on the same operational platform real time data from regional and global networks (e.g. IMS, FDSN). The new package integrates SeisComp3 software with IDC-like environment. It also provides new expert tools (DTK suite: GPMCC, DIVA and Jade) specially designed for NDCs for processing, visualizing and analysing seismo-acoustic data, with a particular emphasis on infrasound technology. These tools will complement Geotool software application. This project is an unprecedented opportunity for NDCs to enhance their national capability and best interact with CTBTO. A group of alpha testers representing 10 volunteer NDCs actively contribute to the project by providing developers and CTBTO with requirements and feedback on the delivered products before a broader distribution planned in 2016.

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