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Extended NDC-in-a-Box: Integrated Data Acquisition, Processing and Analysis Platform for NDCs

The Commission operates a collection of software that processes Seismic, Hydroacoustic and Infrasonic (S/H/I) waveform data, measured at detector stations around the globe. Establishing a National Data Centre (NDC) aids a Member State in assuming its role under the Treaty as it helps to obtain, examine and analyse monitoring data and analysis reports provided by the CTBTO International Data Centre (IDC). Currently, 123 States have established an NDC as of 2013. CTBTO provides technical assistance that enables Member States to work with monitoring data and IDC products. This assistance includes the distribution and the installation of NDC software package. This 'NDC in a box' consists of software to receive, work with and analyze the data. CTBTO is extending the current 'NDC in a box' offering with additional software enabling users to easily combine data from the IMS stations with data from local and national stations and from other global networks and to significantly improve the NDCs processing capabilities. The poster explains how the new functionality in the extended 'NDC in a Box' provides to NDCs an integrated acquisition, processing and analysis platform for S/H/I data.

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