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IMS Data with National and Regional Data in Seismic Monitoring

At EIF of the Treaty, the IMS will consist of 337 facilities supplemented by 40 noble gas systems. Besides for Treaty monitoring purposes, the data from the IMS network and the products derived from them at the IDC can serve civil and scientific applications. The Member States apply various approaches to merge IMS data with their national or regional data. This is encouraged and supported by the PTS to increase usage and users of IMS data and IDC products. The Waveform component of NDC-in-a-Box software is being extended to include local seismic station information. Various open source conversion tools available from the scientific community which contribute to common data formats are being standardized. Developing user-friendly, open, integrated platform that uses an already widely used software and data formats in seismology and tsunami warning centres is another alternative. This present work is intended to describe the current state-of-the-art. A survey has been conducted to assess the current spread and usage of common software and data formats. The findings will be presented in two approaches: firstly with statistics per region and secondly by providing examples from certain countries that successfully used merged data that may serve as a role model.

Primary author: FISSEHA, Misrak (CTBTO)

Presenter: FISSEHA, Misrak (CTBTO)

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