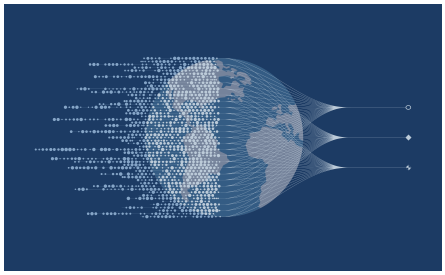

ID: **P3.5-882** Type: **E-poster**

Statistical Comparison between the SSEB and the REB

Thursday 11 September 2025 11:00 (1 hour)

The Standard Screened Event Bulletin (SSEB) is a sub-sequent automatic product of the Standard Screened Bulletin (SEB) produced by the International Data Centre (IDC). The SEB is a post-location processing of the Reviewed Event Bulletin (REB) that includes the event characteristics that are used to screen out seismoacoustic events generated from natural or non-nuclear man-made phenomena. The events characteristics are compared with IDC event screening criteria and those that pass the screening are included in the SSEB. This study presents a statistical comparison between the SSEB and the REB after 24 years of bulletin production. The comparison takes into consideration the progress in the commissioning of the IMS seismoacoustic portion of the network and makes observations on some aspects of the event screening criteria.

E-mail

mario.villagran@ctbto.org

Primary author: Mr VILLAGRAN-HERRERA, Mario (CTBTO Preparatory Commission)

Co-authors: Mr GRAHAM, Gerhard (CTBTO Preparatory Commission); Mr MIALLE, Pierrick (CTBTO Preparatory Commission)

Presenter: Mr VILLAGRAN-HERRERA, Mario (CTBTO Preparatory Commission)

Session Classification: P3.5 Analysis of Seismic, Hydroacoustic and Infrasound Monitoring Data

Track Classification: Theme 3. Monitoring and On-Site Inspection Technologies and Techniques: T3.5 Analysis of Seismic, Hydroacoustic and Infrasound Monitoring Data