

Integration Geophysical Network OVSICORI and Seismic Stations of IMS Network CTBTO

The integration of stations of the global network IMS of the CTBTO to the OVSICORI-UNA geophysical monitoring network including auxiliary and primary seismic stations near Costa Rica such as: PCRV, ROSC, BDFB. The integration of IMS stations into the local network is done with the SeisComp3 acquisition system located at the National Data Centre in Costa Rica and integrated into the system of acquisition, automatic localization, processing of seismic events in Antelope, this for events greater magnitude to have a better location with stations far away from the Costa Rican border, examples: Nicoya earthquake (2012) and Cinchona earthquake (2009). A redundant data communication system is provided to the IMS auxiliary seismic station AS025 in order to have greater availability, if CGI telecommunication system of the CTBTO fails, a WIFI-type system can be used to send directly to OVSICORI and to the NDC and then to the IDC. All data from the OVSICORI seismic monitoring stations and the stations included by the CTBTO NDC and the AS025 auxiliary seismic station located in Juntas de Abangares, Costa Rica are data that is shared internationally by IRIS Data Services for the Incorporated Research Institutions for Seismology (IRIS).

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