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IMS Network in Papua New Guinea and the Utilization for the Benefits of the Local and Regional Monitoring Systems

ABSTRACT: Collaboration between CTBTO and Port Moresby Geophysical Observatory (PMGO) has reached extra heights in terms of achievements in IMS operated networks in Papua New Guinea. The regional seismic monitoring stations of IMS, one of which is located in Port Moresby, AS-75PMG including the National Data Centre (NDC) receive processed earthquake data at PMGO via internet from USGS-NEIC. The seismic data and results of analysis are shared freely by PMGO and other regional organization in global collaboration efforts to monitor and map the distribution of seismic activity in PNG region as well as the nuclear verification regime purposes. However, despite milestones reached in establishing other additional International Monitoring Stations (IMS) such as Infrasound Station (IS40), Radionuclide Station (RN51), Auxiliary Seismic Station (AS-76) throughout PNG, the mandated National Data Centre (NDC) remains to be revamped in terms of training and capacity building, Linux-software and hard ware upgrades, password for NDC access to IDC data and products, Tsunami Agreements Signing, and Ratifications Agreement Signing are some of the objectives yet to be achieved.

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