

Geodynamic network of seismic and volcanic monitoring OVSICORI-UNA a possibility of data integration with the Costa Rica National Data Center (NDC-CR)

OVSICORI-UNA is a University Research Institute dedicated to research of volcanoes, earthquakes and other tectonic processes, in order to find useful applications that help society to mitigate the adverse effects of these events to economic and social development. The purpose of the seismic network was to obtain information on the location of the generators of volcanic tremors and characterize sources. Our Data Center has been expanded with a contribution of CTBTO with a National Data Centre installed in September 2010, to acquire seismic data from stations in the region and the globe, which will be very useful to improve the precision of the location parameters provided by the OVSICORI -UNA to national and international scientific community. The country last 3 decades has faced significant seismic and volcanic events which thanks to a seismographic- volcanic as operating the OVSICORI-UNA network has allowed to go steadily monitoring, recording and orderly documenting each of these events, which allowed significant knowledge of the volcanic-seismic-tectonic conditions in the country forward and that in the past were unknown for lack of a good seismic and volcanic monitoring and seismic-volcanic data bank.

Primary author: VILLALOBOS VILLALOBOS, Hairo (Observatorio Vulcanológico y Sismológico de Costa Rica (OVSICORI))

Presenter: VILLALOBOS VILLALOBOS, Hairo (Observatorio Vulcanológico y Sismológico de Costa Rica (OVSICORI))

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