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idea to development of Volcanic Infrasound Network OVSICORI-UNA in Costa Rica

In Costa Rica we currently have a volcanic seismic network of around 60 volcanic seismic stations, permanent GPS stations and gases stations in active volcanoes of Costa Rica, such as Rincon Vieja Volcano, Turrialba Volcano, Irazu Volcano and Poas Volcano. We want to include the Infrasound technique to correlate it with data from seismic stations and volcanic video surveillance systems. The idea is to try to implement Infrasound sensors of low cost equitment in these 60 sides of stations in Active Volcanoes in Costa Rica. For the initial developments, is to develop infrasound sensors through Raspberry Pi 3 development cards as data acquisition card and network connectivity to all sites that have data communication through cellular or wireless systems and be sent directly to the Platform of data acquisition of OVSICORI-UNA. In addition to the inclusion of low cost infrasound sensors to Raspberry Pi 3 development cards.

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Track Classification: Analysis of Sources and Scientific Applications