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maintenance at Colombian Geological Survey – National Seismological Network

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The Colombian Geological Survey (SGC) has its headquarters in Bogota, Colombia, where most of the technical and administrative personnel are located. However, its main activities are in the field. The National Seismological Network has monitoring stations countrywide. Due to this centralized scheme, preventive and corrective maintenance takes up to 45 days after planning. This is not a good status indicator as it is greater than 12% outage in a year. The National Seismological Network has moved a maintenance engineer to the Cali city, where SGC has a regional office. He was moved in order to carry out a test about responding in better time for near stations and improving the outage time. It was also a budgetary decision as he does not need flight tickets and uses free days to return to Bogota.

In addition, COVID-19 restrictions allowed us to carry out maintenance of the stations located in the region. As the airports were closed, the furthest station took eight hours to reach by car.

Due to the improved outage stats using this new maintenance scheme, the seismological network is evaluating whether to move maintenance engineers to the Medellin and Bucaramanga SGC regional offices.

Promotional text

The centralised maintenance activities have not efficient way to keep good seismologies station country wide operating with the best stats, all activities run from Bogota. Then, the SGC has move technical personnel to Cali to attend Pacific and south Colombian areas.

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