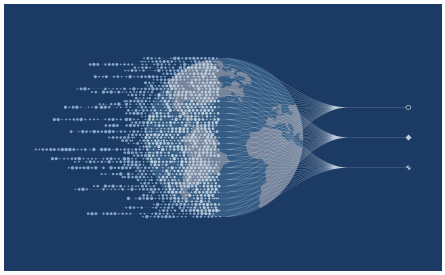

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-cost seismometer for earthquake risk reduction in Nepal

We established an initiative in Nepal to introduce seismology in schools, with a focus on education and citizen seismology. This program currently encompasses thirty-three secondary schools for: (1) the establishment of a network of affordable seismometer within the participating schools, and (2) the incorporation of earthquake-related education into the curriculum. We have prepared educational materials adapted to the Nepali school system, which we distributed and also share on our program's website: http://seismoschoolnp.org. While recording seismic events for education purposes, we have the opportunity to use those data in seismic source investigation. Our findings indicate that the overall outcomes are comparable, and all significant characteristics pertinent to seismicity are identified. We provide quantitative analyses regarding the locations, magnitudes, and frequency distributions within our catalog. The variations between the two catalogs can largely be attributed to differences in network geometries, coverage, and variations in daytime noise levels. We conclude low-cost seismic networks can serve as a viable and effective complement for monitoring seismic activity, as well as for educating students about seismic risk reduction.

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