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## **of MSM facilities for monitoring hazardous geophysical phenomena and climate change in the Antarctic Peninsula region**

In the Antarctic Peninsula region in a number of research stations are measuring seismic and infrasound instruments, some of which are part of the IMS CTBTO. The region is exposed to earthquakes and tsunamis, cyclonic activity. The measurements have been going on for quite a long time so that we can judge climate change. Satellite observations have made a tremendous breakthrough in the study of the continent, however, ground-based measurements have not exhausted themselves. First of all, these are perennial datasets of microseismic and acoustic noise, which is associated, for example, with cyclonic activity in the region, the presence of ice cover in the water area. In addition, more local monitoring of cryoseismic over the years can also contribute to climate research.

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