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T1.5-P42. THE USING OF IMS DATA FOR EARLY WARNING OF GEOPHYSICAL HAZARDS

Using of seismic and infrasound data of IMS stations together with the data from Ukrainian NDC allows to monitor geophysical hazards such as earthquakes, storms, tsunamis, explosions, bolides, etc. A multidisciplinary approach had used for searching anomal geophysical predictors in the Vrancea region and the Antarctic Peninsula region, as well as for building of model of the early warning system of earthquakes. Additionally, in the Antarctic, at the Vernadsky station, were tested the methods for early warning of tsunamis, that use seismic, infrasound and hydrological equipment. All geophysical fields are interrelated, so registration of abnormal signals in each of them and the detection of spatio-temporal relationships between the signals will help to improve knowledge about the mechanisms of development and the possibility of warning

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