



## **The macroseismic map of March 4, 1977 major Vrancea earthquake obtained after the reevaluation of the macroseismic effects.**

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In the past time the macroseismic intensity was an important parameter for the qualification of the Romanian territory seismic activity. The strongest and the best known, from the point of view of the macroseismic effects, is the March 4, 1977 earthquake (MGR = 7.2 and  $I_{max} = IX$ ), occurred in Vrancea seismogenic zone. The earthquake was a multiple event, consisting of a foreshock and at least 3 main shocks. The third main shock which was the strongest one of the earthquake, occurred 19 sec after and at a horizontal distance of 62 km from the foreshock. The main purpose of reevaluation of the macroseismic effects of the March 4, 1977 major earthquake, is, on the one hand, to eliminate the existing suspicions regarding the veracity of evaluating the macroseismic effects by the romanian seismologists at that time, and, on the other hand, to take out some of the uncertainties that have appeared during the process of evaluation, processing and interpretation of the macroseismic data.