



Сеизмичност и уязвимост на сградния фонд в района на Провадия

*Е. Ботев, К. Хаджийски, С. Симеонов, С.
Димитрова*

НИГГ - БАН

Seismicity and vulnerability of the region of Provadia

*E.Botev, K.Hadzhiski, S.Simeonov,
S.Dimitrova*

Abstract: The analysis of seismicity of Provadia region shows an abrupt increasing of the amount of the stronger events (as a rule with magnitude $M > 3.0$) for the last 30-40 years. The level of the present moderate seismic activity of the Provadia region is comparable to the same one for the most active seismic zones in Bulgaria well known with catastrophic earthquakes in the past. Some effects of seismic excitations on different type of building structure are presented - they are illustrated with exemplifying original photographs of destruction and damages provoked from the earthquakes. Taking into account the level of the seismicity and vulnerability of the territory of Provadia region some conclusions and recommendations about the seismic risk mitigation of building structures are made.