



Geophysical Seismic Investigations for Seismic Station of Prizren (Kosovo)

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Abstract: Kosovo has a great potential for future economic development. It is a fact that, within this economic development, industrial, energetic, traffic and other facilities of capital importance and importance for the social standard are being built. Considering the high seismicity and the frequency of occurrence of earthquakes in this region, these structures are permanently exposed to the risk of being damaged or destroyed. Developed countries and particularly developing countries like Kosovo endeavour to protect these costly structures against catastrophic earthquake effects since it is clear that conservative construction may cause serious economic consequences. To conceive the facts on the economy of development and construction in seismic areas, it is necessary to perform scientific and applicative investigations for assessment of the seismic risk, definition of economically justified and technically consistent criteria for design and construction of structures as well as selection of structures and their upgrading for the purpose of sustaining the expected earthquakes. In doing so, one should start from the fact that preventive protection, if harmonized with the level of development and future needs of the society, represents the best way to protect social goods and human lives. For that its need to expansion of seismic station network, therefore geophysical investigations are necessary.

Key words: *Geophysics, seismic, investigations, refraction, reflection, station,*

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