



Seismotectonic Settings of Kosova

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Received: March 25, 2009; Accepted June 04, 2009

Abstract: The geological-tectonic building of Kosova is very complicated. As the result of this building Kosovo is one of the most active countries in East-South Europe. Based on the existing seismic hazard maps of Kosovo for repeating periods of 100, 200, 500, 1000 years, in Kosovo it's possible to occur an earthquake with maximum magnitude 9. Geological build of building location and seismic hazard is necessary to study the resonance effect which can cause in objects by one earthquake. The causer of resonant effect or amplification of amplitudes is the height of objects and topography of location. In generally those amplifications are caused by long-period components of seismic waves, while the short period of amplitude components are reduced.

Keywords: *seismotectonic, seismic risk and hazard, amplification, resonance*

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