



Seismotectonic Settings and Seismicity of Kosovo

Shemsi Mustafa*

Ministry of Energy and Mining, Seismological Institute of Kosovo, Kosovo

Received April 20, 2009; Accepted July 16, 2010

Abstract: In this scientific work presented are basic characteristics of the seismicity of Kosovo, for the period 1901 to 2008 with emphasis on the most active regions. Compilation and updating of earthquake data was made in order to define an earthquake catalogue for territory of Kosovo, which will provide a basis for determination of the main characteristics of the seismicity of Kosovo. Results of the existing investigations were a basis for defining the regional geologic, seismologic, neotectonic and seismotectonic characteristics of the area as well as definition of seismogenic sources. These investigations have great significance from scientific and applied aspect and will provide reliable assessment of Kosovo seismicity. Results can be used as input for further investigations in the field of seismic hazard and risk assessment and engineering seismology as well for physical and urban land use planning and design in seismic prone areas.

Keywords: *Kosova, seismotectonics, seismic hazard*

* Corresponding: E-Mail: shemsi_mustafa@hotmail.com; Mob: +37744273351; Tel: +3813820021569