

Measures for Earthquake Risk Reduction in Algeria

Authors : Farah Lazzali, Yamina Ait Meziane

Abstract : Recent earthquakes in Algeria have demonstrated the need for seismic risk reduction. In fact, the latest major earthquake that affected the Algiers-Boumerdes region in 2003 caused excessive levels of loss of life and property. Economic, social and environmental damage were also experienced. During the three days following the event, a relatively weak coordination of public authority was noted. Many localities did not receive any relief due to lack of information from concerned authorities and delay in connecting damaged roads. Following this event, Algerian government and civil society has recognized the urgent need for an appropriate and immediate seismic risk mitigation strategy. This paper describes procedures for emergency response following past earthquakes in Algeria and provides a brief review of risk mitigation activities since 1980. The paper also aims to provide measures to reduce earthquake risk through general strategy and practical implementation of the mitigation actions.

Keywords : earthquake, hazard, prevention, strategy, risk reduction

Conference Title : ICESE 2015 : International Conference on Earthquake and Structural Engineering

Conference Location : Rome, Italy

Conference Dates : May 05-06, 2015