

Training of Sensors for Early Warning System of Rainfall Induced Landslides

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Abstract : Changes in the Earth's climate are likely to increase natural hazards such as drought, floods, earthquakes, landslides, etc. The present study focusing on to early warning systems (EWS) of landslides, major issues in Himalayan region without prominence to deforestation, encroachments and un-engineered cutting of slopes and reforming for infrastructural purposes. EWS can be depicted by conducting a series of flume tests using micro-electro mechanical systems sensors data after reaching threshold values under controlled laboratory conditions. Based on the threshold value database, an alert will be sent via SMS.

Keywords : slope-instability, flume test, sensors, early warning system

Conference Title : ICSMGE 2017 : International Conference on Soil Mechanics and Geotechnical Engineering

Conference Location : Sydney, Australia

Conference Dates : December 04-05, 2017