



Making landslide risk and vulnerability maps in the mountainous range of Puebla, Mexico

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In October 1999, there were many landslides in more than 70 villages on the mountainous ridge of Puebla México, originated by several factors, among which the most important was heavy rainfalls during various days. In order to assess the triggered and natural factors, it has been worked a project of risk investigation in natural slopes of Puebla State, which proposes to study 53 places detected as high risk. This work be carried out in several stages. First, topography, geology, soils mechanics, hydrology, climatology, seismology, geotechnical stability and selection of the constructive process of stabilization. In a second phase, a data base or catalogue will be integrated, containing the information obtained in the previous stage, digitalized in a geographic information system. In a third stage, maps of risk and vulnerability to the landslides phenomena will be done. This paper describes studies and activities of the project.