

Zoning for Slope Instability in an Andean Region of Ecuador

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The Wilson *et al.* method for landslide zoning to evaluate slope susceptibility in an 18 Km² area of two Andean basins located in the eastern hillsides of the Pichincha volcano, near the city of Quito, was used. The zoning is represented by critical acceleration values and was done considering seismic and geotechnical characteristics of the study area within a Geographic Information System. Susceptible areas found by the method are located approximately at the same sites where actual landslide occurred. The method presents acceptable results to evaluate susceptibility to shallow slides (infinite slope model) in areas without major complexities due to the presence of several landslide types or complex geological structures as those found in the study area.