
Landslides characterization in Great Kabylia (Tizi-Ouzou), Algeria

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Abstract

Several studies have been devoted in recent years to the study of landslides in Great Kabylie (Tizi-Ouzou) Algeria, through geomorphological, geotechnical and geophysical investigations to characterize moving materials and areas evolution. The current knowledge does not make it possible to predict the rates and probability of future evolution or to certainly identify the areas mobilized by these movements. this communication aim to identify major landslides in this region, subject to strong climate change (long period of precipitation and snowpack thickness, high urbanization, deforestation, forest fires and its impact on surface water runoff and in depth on unstable slopes), with the aim of providing and improving recent techniques for the observation and characterization of landslides in this region.

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