

Abstrakt

This study deals with the topic of debris flows, their systematic classification and analysis of factors, which have an influence on the occurrence of these catastrophic slope movements. A field research of the debris flow was made in the study area in the Oltrepò Pavese region in the Apennines in the northern Italy and then geomorphological map was made. Due to the digital terrain model (DTM) an estimation of entrained mass was made. Also, in the course of the thesis an analysis of rainfall pattern and aerial photographs was made in order to most accurately date each phase of development of the debris flow.

Key words

Debris flow, Factors of debris flows, Geomorphological map, Topografical profiles.