

The morphogenetic analysis of the mudflows of Kazbeg-Jimarai (Kolka and Devdoraki-Amali) mountainous massif

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Mountains regions with their spectacular landscapes, full of oxygen, abundance of springs and romantic environments, always attracted tourist from all over the world. Unfortunately, not all of them know, that this Earth heaven has its negative sides, these are landslides, avalanches. Today we want to discuss mudflows or cells or lahars.

In the end of XX century and in the beginning of XXI approximately 2750 mudflow generating river basins were recorded. Under the mudflow risk is 2 million hectare of the country. Mudflow processes can affect railways, highways and other pipelines. They can destroy agriculture and irrigational objects, under mudflow threat are big cities and towns: Tbilisi, Telavi, Kvareli, Lagodekhi, Sagarejo, Borjomi and other settlements.

For our conference theme, we have chosen Caucasian Kazbeg-Jimarai mudflow areas. In this part of Caucasus, the main reason for disastrous events was so called Surge, or fastening the movement of mountain glacier.