

Geomorphogenesis of the ridge Meskheta (north slope)

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Natural disasters have always posed and still creates a threat to the important part of population, makes it difficult for engineering-agricultural activities and damage the existing infrastructure facilities.

The object of the research is north slope of the ridge meskheta, which is a difficult region regarding the quality and risk of natural disasters, damage from it is very high, while during the extreme activation of natural disasters, the situation becomes even more complicated. Meskheta headland with its morphological characteristics, geological constitution, unique nature, interesting location and other features, is one of the prominent headlands of our country in the case of touristic (and not only) standpoint.

The resorts, located on its side-hill (such as Abastumani, Bakhmaro, Sairme, Nunisi and e.t.), the Borjomi-Kharagauli National Park which is one of the largest national parks in Europe, a special morphological river valleys, unique remains of fossils of flora, anthropogenic relief shapes as historical-architectural monuments and many other interesting objects are clear confirmations of this.

During the research it was conducted field and office activities for assessment of Natural Disasters, which was developed in the study area, in particular: Identification and creation of catalogues for all kind of Geodynamic Processes, assessment of development scale and vulnerability of Population and infrastructure objects; Comparison of modern data to the historical information; Analysis of existing research of natural disasters; Revealing potentially dangerous areas and certain natural processes (landslides, debrisflow/mudflows, rockfall-rock avalanches, riverbank erosion and et. al), mapping, creation of database and thematic maps in Geo-information Systems (GIS).