

Assessment of Risks and Threats of Modern Geodynamic Processes of Borjomi Municipality

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Borjomi municipality is interesting for its geomorphological and climatic conditions. This region is distinguished by the active manifestation of geodynamic processes. The development and activation of natural processes is due to the complexity of the geological structure of the territory, the contrast of the relief, landscape-climatic conditions and the high anthropogenic influence of man on the environment. Borjomi Municipality is the object of the research.

Natural processes within the study basin cause great damage to the rural population. Natural processes especially damage agricultural fields, roads, bridges, residential houses are also damaged. Among the dangerous natural processes developed here, landslides, landslides, landslides, floods, washing of river banks are a special problem.

The purpose of the research is to study the municipality of Borjomi, to identify geologically stressed areas, to check the areas of distribution of natural processes in field-expedition conditions, to receive data, to process and to create maps of relevant geodynamic processes based on them, which will help us to identify and evaluate risky areas in the future and to develop ways to avoid them. .

Based on the cartographic analysis of the terrain and the comparison of aerial photographs, the information obtained through field studies and camera studies, active and dangerous areas in terms of geodynamic processes were identified.

Basins stressed by spontaneous geodynamic processes were identified in the study area, the frequency of the leading spontaneous geodynamic process in a specific basin was determined and scope of action. The results of the study can be used in the assessment of sustainable development issues of the Borjomi Municipality.