

Overview of the effects of climate change on the landscapes of Samtskhe-Javakheti

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Among the global environmental problems facing humanity, one of the most acute is climate change. The efforts of many scientists, international and local organizations are aimed at finding ways to slow down climate change processes and, as far as possible, mitigate the threats posed by climate change, and prevent the socio-economic destabilization expected as a result of environmental degradation.

The negative consequences of climate change pose a strong threat to Georgia. Given the diversity of the country's natural conditions, the problems are also complex.

Many studies have been devoted to the impact of climate change, although this impact on individual landscapes has not yet been studied. The methodological basis that would allow us to explain the mosaic nature of climate change has not yet been developed.

Determining landscape change is one of the most important tasks of modern geographical and environmental studies, since it is important, on the one hand, for determining the natural resource potential of the landscape and, on the other hand, for determining the current trends in it. Such studies make it possible to create a scientifically sound basis for landscape planning for the sustainable use of natural resources and environmental protection. Accordingly, the main goal of the work is to assess the impact of climate change on the landscapes of the Javakheti region and create their spatial temporal model.

The paper discusses the impact of climate change on the landscapes of Samtskhe Javakheti and presents the primary results.