

Climate change and vulnerable landscapes (Kvemo Kartli)

Luka Shubladze

luka.shubladze087@ens.tsu.edu.ge

Geomorphology, Cartography and Landscape planning

Faculty of Exact and Natural Sciences

Ivane Javakhishvili Tbilisi state university

1 Ilia Chavchavadze avenue, Tbilisi, 0176, Georgia

Summary

The aim of the master thesis is to study climate change and vulnerable landscapes. This issue is quite relevant in the world and in Georgia. This process starts from the geological past of the earth and is still one of the most important challenges for the world. The importance of this topic is evidenced by numerous scientific papers, publications, international conferences and more. Climate change poses a particular threat to the Semi-Humid, Semi-Arid and Arid landscapes, which are actively used by the humans for a various purpose.

There are Semi-Humid and Semi-Arid landscapes in Kvemo Kartli. These types of landscapes are less resilient to climate change. In the conditions of global warming, the process of desertification can start in these areas, and it can have a negative impact on the life of the population. It is interesting to make future scenarios of climate change in vulnerable landscapes in this region, which may eventually lead to migration processes.

The master's thesis discusses such relevant and interesting topics as: 1. Modern trends in climate change in the world and in Georgia, 2. Distribution of population according to the existing landscapes in the study region, 3. Climate change scenarios, 4. Identify the attitudes and problems of the population related to climate change, Social survey and analysis.