

The role of the relief of the Upper Imereti region in the distribution of agro-cultures

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In Upper Imereti, a large part of the agricultural lands experience erosion and in most cases human activity contributes in the process (by plowing in the direction of slope, excessive watering, damaging of land calspersstone walls and with not restoring of damaged stone walls). In this way, the fertility of the soil worsens every year and the fertile land area decrease.

The objective of the study is the Upper Imereti region and the goal is to define the spatial distribution of agro-cultures in the region and mapping of the results. The research aims also to prepare a similar map for new prospective cultures.

Several methods of research were used during the preparation of the work. Cartographic basis for research is the Soviet topographical map (1: 50000 scale). With the help of the ArcGIS, the exact study area was determined, as well as the volumes of agricultural land areas by consideration of exposure and inclination.

The real picture of the current situation in Upper Imereti is as follows: The structural agricultural sector in the region is the integrity of the fragments of small land parcels and the peasant has not even one-hectare land plot, but he harvests different cultures and produces many kinds of agricultural products.