

Electronic Atlas of Kareli Municipality and Geographical Information System

Salome Elbakidze

e-mail: salome.elbakidze360@ens.tsu.edu.ge

Department of Geography, Faculty of Exact and Natural Sciences, Ivane Javakhishvili Tbilisi State University,
Ilia Tchavtchavadze Avenue, Academic Building I, 0179 Tbilisi, Georgia.

Geoinformation mapmaking is one of the dynamic directions of modern cartography. One of the current topics in Georgian cartography is the forming of complex electronic atlas for the municipalities of Georgia and an appropriate, constantly updated, evaluative geographical information system. Thus the theme has an innovative purpose.

Kareli municipality in Shida Kartli region was selected as the object of mapping. For this administrative unit, we aimed to create a complex electronic atlas and assessment geoinformation system. The following specific tasks are obtained from this goal: a) search and analysis of existing literary and cartographic sources, b) preparation of digital topographic basis for thematic maps, c) field research and spatial analysis of collected information, d) creation of a database of nature and community events, e) Creation of an evaluation geographical information system, f) Compilation of a complex electronic atlas and scientific editing.

The following will be used in the process of the master thesis implementation: descriptive method, statistical method, cartographic method, remote sensing method, geoinformation method.

The cartographic-geo-information products procured as a result of the research implementation - evaluation geo-information system and complex geo-information atlas, can be practically used by Kareli municipal services in the following areas: administrative management, industry, agriculture, transport, tourism, recreation and ecology.