

Cartographic Analysis of the Sustainability of Return Migration in the Village of Jankhoshi

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One of the key directions in modern cartography and geoinformatics is the geographical study and mapping of the condition of specific areas on global, regional, and local levels. In this field, numerous projects have been carried out in Georgia, and relevant scientific publications have been released (N. Beruchashvili, 2002; N. Elizbarashvili, 2005, 2009; T. Gordeziani, 2014).

The presented master's thesis focuses on the cartographic analysis of the sustainability of return migration in the village of Jankhoshi, which entails a comprehensive geographical assessment of both natural and socio-economic environments in the context of migration processes.

The aim of the research is to determine the potential for sustainable return migration, introduce a methodology for cartographic analysis, and create thematic maps that will enable accurate spatial interpretation for decision-makers.

The paper provides a detailed analysis of the natural conditions of the village of Jankhoshi: geographical location, geological structure, relief, climate, soils, flora and fauna, and landscape characteristics. It also examines socio-economic factors such as demographic trends, agriculture, industry, and infrastructure.

The research includes both analytical and synthetic cartographic work - slope and aspect maps have been created, along with thematic maps of social and economic indicators. These maps allow for an assessment of the area's potential in terms of return migration.

The conclusion presents a set of factors that either promote or hinder population return. This approach can be used in the future to develop spatial-temporal models for the sustainable development of other highland settlements.