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TRANSPORT AVAILABILITY AS FACTOR OF SOCIAL INFRASTRUCTURE DEVELOPMENT IN RUSSIAN ARCTIC ZONE

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ABSTRACT

The article deals with the study of the impact of transport availability on the development of social infrastructure in the territories of the Russian Arctic. The study utilizes general theoretical and empirical methods: logical-structural and comparative analysis, correlation and regression analysis, methods of statistical analysis, typologies and graphical modeling. The authors propose a methodical approach to assessing the impact of the transport availability of the territory on the level of development of social infrastructure, including an algorithm and a comprehensive system of assessment indicators, an econometric instrumentarium. The original methodological instrumentarium has been tested in the Arctic zone of the Northern macroregion of Russia. As a result of the study, a conclusion is made about the presence of a differentiated impact of the transport availability of the territory on the change in social infrastructure, depending on the sphere and territory. The previously analyzed conclusions of the researchers have been confirmed: the provision with roads has the greatest impact on the change in the sphere of culture and sports. The density of roads in the Arctic territories of the northern macroregion has the weakest influence on the education sector. The results obtained by the authors can be taken into account in the development and adjustment of strategic and program documents aimed at the development of the Arctic territories, as well as in the territorial planning of the placement of social infrastructure facilities and the construction of roads.

Keywords: transport availability, social infrastructure, Arctic, northern microregion, factor, influence.