

DIGITAL TRANSFORMATION OF URBAN PLANNING

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The purpose of the study is to reveal the features of the development of information support for urban planning in the context of digital transformation. The article summarizes new material on the topic under study: the latest amendments to the Urban Planning Code of the Russian Federation and relevant by-laws, prospects for the implementation of the national program "Digital Economy of the Russian Federation". The study provides a historical analysis of the development of information support for urban planning. Particular attention is paid to the creation in the subject of the Russian Federation of state information systems for ensuring urban planning with the functions of automated information and analytical support for the exercise of powers in the field of urban development (GISFUD) and the role of GIS technologies in its implementation. As a result of the study, there was proposed a scheme of information interaction between GISFUD and other information systems, including the Federal State Information System of Territorial Planning, the Federal State Information System for maintaining the Unified State Register of Real Estate, the Federal Information Address System, and the Unified State Register of expert conclusions for design documentation of capital construction facilities and the State Information System for maintaining a Unified Electronic Cartographic Basis for the exchange of spatial data in order to provide automated support for the exercise of powers in the field of urban planning. The article defines the main trend of the digital transformation of urban planning activities, characterized by the transition to the provision of integrated services in the construction industry and the introduction of super services, as well as by the distribution of information models of capital construction facilities and 3D printing in construction. It gives recommendations for digital transformation parameters in urban planning.

Keywords: state information systems, urban planning, digital transformation, super services

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