

THE INTEGRATED METHOD TO THE MAP MATERIAL STORAGE IN RUSSIAN PRACTICE: FROM ANALOG TO DIGITAL

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The article analyzes the map data source storage in analog and digital form by means of various funds, agencies, organizations, libraries, private collections on the basis of an integration method. A conceptual integration model for the map material storage based on a hierarchical, tree-like topological structure has been developed. The topology of the map material storage was built and a conceptual model was presented. The defects in the creation and dissemination of materials (data), weakening the overall quality of the model, are noted. The prospects for the development of the industry of geodesy, cartography and spatial data, which will have a beneficial effect on the quality of the presented model, are noted. The proposed model of storage of cartographic materials demonstrates, for the most part, the Russian experience. It is concluded that against the background of the growing volume of spatial information about terrain feature, structuring and storing information, including in the form of map materials, is an important aspect in the effective use of data for making different levels of decisions.

Keywords: spatial information, data storage, web technologies, unified platform, integrated method, topology, conceptual model for the map material storage

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