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REVIEWS

ON THE WAYS OF FOREST TYPOLOGY RESEARCHES IN SIBERIA IN 1960s–2000s

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In a brief form, an overview of the works on forest typology and zoning of Siberia conducted in the Laboratory of Forest Typology of the Institute of Forest and Timber of the USSR Academy of Sciences, later the V.N. Sukachev Institute of Forest SB RAS is given. The ecological and phytocoenotic line of research and the regional approach to the creation of diagnostic tables of forest types were adopted as a basis for complex field work carried out jointly with forest management throughout Siberia.

The main principal features of forest typological work in mountains required the improvement of the system of classification units and mapping of forest cover with use of their diagnostic signs. The significance of the performed work for the development of the concept of the systemic structure of the forest (and all vegetation) cover, its deep connection with the concept of hierarchical structure of landscape cover through the idea of biogeocoenosis and terrestrial ecosystem. The author speaks in favour of a regional approach to the classification of forest types, but does not close the way to the creation of a generalized classification of forest ecosystems based on climatic ordination and information modelling. The practical use of ecological-phytocoenotic regional classifications is substantiated for creating medium-scale maps for various purposes and solving environmental management problems, with access to ecosystem management of forest territories.

Keywords: ecological-phytocenotic classification, ordination, zoning, mapping, altitude-belt combination of forest types, spectrum of altitude-belt combination, formation, group of forest types, series of forest types

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