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## Some methodological aspects of the National Forest Inventory and Monitoring in Slovakia

Š. Šmelko, J. Merganič

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The work presents the conceptual information about the National Forest Inventory and Monitoring in Slovakia. It introduces some methodological approaches to the field data collection (determination of tree heights by two-phase method, regression formulas for tree volumes and assortments of forest tree species, quantification of deadwood volume in sample plots) and biometrical models prepared for data processing and generalisation of the results. The design and conception of Slovak National Forest Inventory and Monitoring were set with the aim to enable providing complex and integrated information about the state and changes of production and ecological characteristics of the forest ecosystems.

**Keywords:**

tree heights; tree volume; deadwood volume; biometrical models; Slovak forestry

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