



Studies on the possibility of realization of the geographic information system for forest private owners

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The activities concerning forest sector regardless the type of ownership are characterized by high complexity, taking into account biological peculiarities of woody species significant to forestry, the technical level of interventions and the current legislation. The realization of the Geographic Information System and the corresponding data base for the forestry fund in the property of different administrative territorial units (ATU) is imperative in the context of sustainable management of forestry resources. Also, the opportunity of the realization of the Geographic Information System resides from the fact that the private forestry fund can be differently managed, as a function of financial possibilities and current legal regulations. For the realization of the presented goals appropriate technologies and software are recommended in order to fit terrestrial measurements. The presented study case was performed in the forestry fund of ATU Chiulești, Cluj county using the software MAPSYS to construct the Geographic Information System and data base. The obtained results will be used to administrate and manage sustainably the forestry resources in the ownership of Chiulești commune.