

Building forest management software in Bac Kan province based on WebGIS technology

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Abstract: In the context of increasingly complex and necessary forest management, this study focuses on building an intelligent forest management software system based on WebGIS technology. The main objective of the research is to develop a technical solution that effectively supports the monitoring, evaluation, and management of sustainable forest exploitation activities. The proposed method combines GIS theory with software design experimentation to build a system that can be customized according to the specific requirements of Bac Kan province. The expected results of this study not only provide an effective management tool for the local agriculture and forestry sector but also contribute to the development of GIS technology in the field of natural resource management.

Keywords: WebGIS, Sustainable Forest Management, Geographic Data Analysis, Application Software, Resource Management Automation