A DECISION MAKING MODEL FOR COMPATIBLE MANAGEMENT OF FORESTER LOCAL COOPERATIVES IN THE NORTH OF IRAN

Majid Azizi[*]
Associate professor, Faculty of Natural Resources
University of Tehran
Karaj, Tehran, IRAN
Email: mazizi@ut.ac.ir

Fatemeh Taheri
Master Science student, Faculty of Natural Resources
University of Tehran
Karaj, Tehran, IRAN
Email: ftaheri@ut.ac.ir

ABSTRACT

The aim of current research is to determine effective criteria in management of forester local cooperatives and the best alternative to manage the cooperatives. The research has been done in northern forests of Iran to solve the local people's problem and answer their needs. Participation of the local people in order to better manage forester local cooperatives and receive some facilities from civil institutions will assist in solving most of the economic and social problems. Alternatives of the system are governmental management; management by elected agents of cooperatives; combinative model with attendance of the people and civil institutions; and collective management of the cooperatives according to all of the member's aspects. A hierarchy is used to prioritize benefits, opportunities, costs and risks (BOCR) using the Analytic Hierarchy Process (AHP) ratings approach. To evaluate the "control criteria" of the system, a control hierarchy is also created and prioritized by applying the Analytic Network Process (ANP). This way, a total of four major control criteria in the system are prioritized where each one controls a decision network evaluated using ANP. The final synthesis of the system shows collective management of the cooperatives according to all of the member's aspects has the highest priority.

Keywords: AHP, ANP, compatible management, foresters' cooperatives, sensitivity analysis.

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[*] Corresponding author