

Dedication

This work is dedicated to my parents,
brothers and sisters,

To my family

My wife Hikma,

Daughters, Nagham, Nibras &

Son Al Abhari

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ABSTRACT

Assessment of Community Forestry Activities

In Jebel Marra Area

In Sudan, among the different options of the Forest Polices, there was special emphasis on the role of the forests in environmental protection and the establishment of community, private and institutional forests. In the last decades climate change in the study area induced negative impacts on natural resources, particularly tree cover, represented in environmental degradation.

The main objective of this research is to assess the sustainability of community forestry activities in the study area with special emphasis on the measure of risks and obstacles confronting the activities. Moreover, to know how come the activity is able to sustain in the absence of extension services. Two types of data were used in this research, namely; primary and secondary data. The secondary data was obtained from FNC reports and JMRDP reports. The primary data was collected through questionnaire.

The main finding of the research was the fact that community forestry (in its different forms) contributes significantly to the economy of the farmers. Farmers prefer exotic tree species (Kafur) at the expense of the indigenous trees due to their high market demand, fast growth and relatively small area needed by a tree compared to that needed by indigenous tree species. Fortunately, the indigenous trees are preferred in the Jubraka and Agroforestry models due to their multipurpose functions. Moreover, the availability of the indigenous trees in the surroundings is not encouraging the farmers to expand their plantation.

The main conclusions of the research is that reliance on the exotic trees is merely based on its financial returns irrespective of the scientific management of the private forests. The Forests National Corporation neither encouraging nor motivating the farmers to develop the activities of community forestry, due to the lack of a specialized extension unit. The study arrived to an important recommendation showing the importance of coordination between

the FNC and the local farmers for the development of the activity through the provision of extension services.

الملخص

تقييم نشاطات الغابات الشعبية بجبل مرة نجد في سياسات الغابات

من بين الخيارات المختلفة لسياسات الغابات في السودان ، كان هناك تأكيدٌ خاصٌ على دور الغابات في الحماية البيئية و إنشاء الغابات الشعبية في صورها المختلفة. في العقود الماضية تدهور المناخ في منطقة الدراسة أدى لآثار سلبية على الموارد الطبيعية ، خصوصاً الغطاء اللجري العُثُل في التدهور البيئي. إن الهدف الرئيسي لهذا البحث يهتدِم استمرارية نشاطات الغابات الشعبية في منطقة الدراسة بالتأكد الخاص على الأخطار التي تواجه النشاطات . علاوة على ذلك، لمعرفة كيفية الوصول إلى نشاط قادر على الاستمرارية في غياب الخدمات الإرشادية .

نوعان من البيانات استعمل في هذا البحث ، يعني؛ البيانات الأساسية والثانوية. البيانات الثانوية حُصِلت عليها من تقارير الهيئة القومية للغابات وتقارير مشروع تنمية جبل مرفان الأساسية جُمِعَت خلال الاستبيان.

أهم النتائج التي توصل إليها البحث هو أن الغابات الشعبية في أشكالها المختلفة تساهم بشكل ملحوظ في دعم اقتصاد المزارعين. ل المزارعون نوع شجرة الكافور (Kafur) حساب الأشجار الأصلية بسبب طلب سوقهم العالي ، نموها السريع ويستغل مسأطعراً من الأنواع الشجرية المحلية. لحسن الحظ، أن الأشجار المحلية مفضلة في الزراعات المنزلية ونماذج التشجير الزراعي بسبب وظائفهم المتعددة الأغراض . علاوة على ذلك، الأشجار الأصلية في البيئة المحيطة لا تشجع المزارع لتوسيع زرعها.

إن الخاتمة الرئيسية للبحث بأن الاعتماد على الأشجار الموطنة يستند على عائداتها المالية بصرف النظر عن الإدارة العلمية للغابات الخاصة . الهيئة القومية للغابات ست ليم شجرتهم المزارعين لتطوير نشاطات الغابات الشعبية بسبب عدم وجود وحدة مرشدة صوّلت الدراسة إلى توصية مهمة تنادي بأهمية التنسيق بين الهيئة القومية للغابات والمزارعون المحليين لتطوير النشاط خلال توفير الخدمات الإرشادية.

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ABBREVIATIONS AND ACRONYMS

A.S.L	Above see level
Alfaza	Communal assistance during contingency
CFU	Community Forestry Union
Corki	Pole of less than 8cm mid diameter
D.C	Development and Cooperation
DBH	Diameter Breast height
FAO	Food and Agricultural Organization
Feddan	0.42 hectare
FNC	Forests National Corporation
Gimaize	Ficus spp
Gimbil	Cordial Africana
GNP	Goss National Product
Hikir	Governmental land passed to inhabitants
ICRAF	International Corporation of American Relief Everywhere
Jagjaj	Azanaza gerikiana
Jmrdp	Jebel Marra Rural Development Project
Jubrak	Home garden
Kafur	Eucalyptus spp
Khalwa	Informal Islamic Education
N.R	Not Relevant
Nafir	Work party
Omda	Local Leader heading many sheikhs
Rasas	Pole of 10-14cm mid-diameter
Sahab	Anogeissus Leocarpus
Sheikh	Traditional leader at the village level
Sidir	Ziziphus Spina-Chiristi
Talaga	Time allowed for herders to enter agricultural fields
UMDP	United Nation Development Program
W.B	World Bank
Zariba	Fence