DEDICATION

I dedicated this work to my father, mother soul, to my wife Basamat, to my daughters Ibtegah, Imtethal, Omnia, Asail, to my twins Mohammed and Ahmmed
ACKNOWLEDGEMENT

I am indebted to my main supervisor Prof. Ali Mohayad Bannaga, and the first co-supervisor Dr. Mahir Salih Suleiman and second co-supervisor Dr. Elshafa Ali Margani for their guidance and constructive criticisms.

My sincere thanks are extended to Edduweim Plan Sudan office specially the coordinator of the project Eltayb IzzEldain and the directors of the administrations of agricultural extension Abdalkariem Abdalla, forestry office Abdalaziz and his deputy Wad-Elsafori, natural range office Gasim Omer Elhaj and Ali Tayalla .specialist in plant protection for their invaluable assistance.

My sincere thanks are extended to the tribes Omdas Abdallmagid, Gismalla, Elnour and Eltayb the omdas of Shewihat, Musalamia, Shanabla and Shigaigs tribes respectively for their facilities and responses to our questions, and thanks are extended to Plan Sudan Villages Committees and Villages Sheikhs for their strong assistances in villages to meet the participants. My thanks are extended also to people of Shigag Elgaalien, Goz Elahmer, Wad Jabor, Galaga, Elhalba, Abu-Sunut, Eltahra, WadMasri, Sangair and Shigaig Elkawahla for their patience in answering .our questions

I am indebted to my family for their personal sacrifice and encouragement .during the study

My everlasting prays go to Alla who without his will, this achievement could not .have been realized
ABSTRACT
Impact of Community Participation on Natural Resources
:Forest and Range) Management)
A Case Study of White Nile State ED-Duweim Project

The study objective was to assess the contribution of people’s participation in natural resources (forest and range) management in Ed-Duweim project unit (Plan .(Sudan) White Nile State (Sudan) between the years ( 1996-2003

The natural resources (forest and natural range) investigated were forest rehabilitation, natural range rehabilitation, natural forest protection, range land .protection

The research data was obtained by stratified random sampling with the size of 140 respondents from local people distributed in 10 villages located in the study area. Moreover the official interviews with Plan Sudan manager and other relative administrators were held. In addition to interviews with 4 Omdas, 10 villages Sheikhs and 10 persons in each village from Plan Sudan Villages Development Committees (VDCs). Descriptive analysis (frequency distribution and percentages), using the SPSS package. Chi-squire test were employed to analyze .the research data  

: The main findings were

Generally the participants show higher percentage in contribution in natural - .resources management (forest and range) than non-participants
The participation of people by efforts, always have very large percentages - .compared to participation by money or ideas
The perception of the people to trees and range plants shows high percentages for - .people conception to trees and range plants
The results of the people’s participation in management of the forest and range - activities show a higher percentage for collective work, but the people still need .more work in the field of the natural resource in the area
The extent of the people’s participation in the project programs showed a high -involvement by the people in the situational analysis of the problems and requirements. The percentages then decreased during the statement of the problems, designing and implementation and ended by the decrease in percentage .during the monitoring and evaluation
The main obstacles for the community participation in the project activities was -poverty, followed by the people may have agricultural work timing conflicting
with the project activities, but the people have a good information about the fields of the forest and range.

The evaluation reported by Plan Sudan and other relative administrations, sometimes describes the participation as high in protecting their environment. Finally, the study presented recommendations pertinent to enhancement in assessment and development of the community participation in natural resources management, particularly in the study area and Sudan in general.
ملخص الدراسة

أثر مشاركة المجتمع في إدارة الموارد الطبيعية (الغابات والمراعي)

دراسة حالة ولاية النيل الأبيض مشروع الدويم

هدفت هذه الدراسة لاستكشاف أثر مشاركة المجتمع في إدارة الموارد الطبيعية (الغابات والمراعي)

في وحدة مشروع الدويم (بلان سودان) النيل الأبيض (السودان) وذلك في الفترة ما بين 1996 - 2003

الموارد الطبيعية التي بحثت هي إعادة استزراع الغابات، إعادة استزراع المراعي الطبيعية، حماية الغابات الطبيعية، حماية أراضي المراعي.

البيانات لهذه الدراسة أخذت عن طريق الدراسة العشوائية للعينة الطبقية البالغ 140 شخص في المنطقة.

وهوؤلاء موزعون في 10 قري تقع داخل منطقة الدراسة، بالإضافة إلى مقاطعتين السكنية مع بلان سودان والإدارات ذات الصلة، وأيضاً تمت مقابلة 4 من العمد و10 من الشيوخ و10 أشخاص لكل قرية يمثلون لجان التنمية التابعة لمنظمة بلان سودان، واستخدمت طريقة التحليل الإحصائي الاجتماعي (التوزيع التكراري والنسبة المئوية)، واستخدام مربع كاي لتحليل المعلومات.

أثبتت الدراسة النتائج التالية:

- عموماً مساهمة المشاركين أعلى في إدارة الموارد الطبيعية (الغابات والمراعي) من الغير مشاركين.

- المشاركة بالجهد في كثير من الأحيان أعلى من المشاركة بالمال والفكر.

- تصورات السكان المحليين عن الأشجار ونباتات المراعي إيجابية.

- نتائج مشاركة السكان المحليين في إدارة الغابات والمراعي أثبتت نسبة عالية في التفهم.’ ولكن لازال المحليين في حاجة لعمل الكثير في مجال الموارد الطبيعية في المنطقة.

- مشاركة المحليين كانت بنسبة عالية في تحليل مواقفهم واحتياجاتهم الآنية، وأجريت أثناء تقرير الأهداف وتنفيذ البرامج والتحليل والتقييم.

- العقبة الرئيسية التي قللت من المشاركة المجتمعية هي الفقر وانتشار الفقر والزراعي، ولكن السكان المحليين لهم معلومات جيدة عن الغابات والمراعي.

- النتائج بواسطة بلان سودان والإدارات ذات الصلة وصفت المشاركة بالإيجابية في حماية البيئة.
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.ADSs  Area Development Schemes
.Alfaza  Calling for help from the people in cases i.e. fire and theft
.AOAD  Arab Organization for Agricultural Development
.ARDA  Arsaal Rural development Association
.CBOs  Community Based Organizations
.CBR  Country Baseline Report
.CBWM  Community-based wild life management
.CDPs/ CDOs  Community Development Plans/ Outlines
.CFM  Collective Forest Management
.CMT  Country Management Team
.CIDA  Canadian International Development Agency
.CPME  Corporate Planning, Monitoring and Evaluation
.CPO  Country Program Outline
.CSP  Country Strategic Plan
.DECARP  Desert Encouragement Control and Rehabilitation Program
.ES  Enrolment System
.FAO  Food Agriculture Organization
.FNC  Forest National Corporation
.FFS  Farmers Field Schools
.GAAS  Guizhou Academy of Agriculture Sciences
.GFMC  Global Fire Monitoring Center
.GIS  Geographic Information System
.GOs  Governmental Organizations
.GNP  Gross National Product
.HCENR  Higher Council for Environment Natural Resources
.HUAF  Hue University of Agriculture and Forestry
.Ibid  The previous reference
.IDA International Development Association
.IDRC International Development Research Centre
.IFFM Integrated Forest Fire Management
.IPIM Integrated Pest Management
.ISDR International Strategy for Disaster Reduction
.LUN Local Users Network
.Makhamas Sudanese measure for the areas=1.4 feddan. 1feddan = 0.42 hectares
.MC Meteorological Corporation
.Nafir A collection of a certain people to achieve a certain job i.e. building
.NCSA National Capacity Self-Assessment Project
.NDDCU National Drought and Desertification Control Unit
.NGOs Non-Governmental Organizations
.Omdas Local leaders with great responsibilities in leading their tribes
.PTD Participatory technology development
.PU Project Unit
.Omdas Local leaders with great responsibilities in leading their tribes
.SOS Saves our souls
.SNAP Sudan National Action Program
.SPSS Statistical Package for Social Science
.UK United Kingdom
.UNCCD United Nation Convention to Combat Desertification
.UNSO United Nation Sudano-Saharan Office
.USA United State of America
.VCDCs Village Council Development Committees
.VDCs Village Development Committees
.WSSD Word Summit for Sustainable Development

LIST OF COMMON NAMES AND TREES AND RANGE PLANTS
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