

Capacity Development Framework for Traditional Healers



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Aim and Objectives

To domesticate safe medicinal plant species for income generation, improvement of herbal health care provision and conservation of the environment.

Specific objectives

- To enhance skills in ex-situ conservation of useful medicinal plants hence reducing pressure on over exploited wild medicinal plant species
- To build capacity in sustainable harvesting techniques for medicinal plants, post harvest and enhance storage packaging herbal medicines
- To organize Traditional healers in groups which is vital for sustainability of the interventions
- To develop various value chains for herbal medicine enterprises and run their practices economically
- To train the management of a revolving-fund to help traditional healers access soft loans and provide a start up portfolio
- To contribute to the establishment of a Agro-Business Incubator
- To provide MSc and PhD students a platform for knowledge sharing with traditional healers





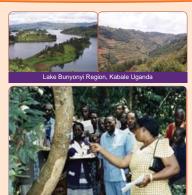
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Initiative (VicRes) http://www.VicRes.net



Capacity Development Framework for Traditional Healers

Documentation

of medicinal

species

and usage

(Research work)

Medicinal

Plants for

Climate Mitigation,

Health Care,

Institutional

development

and group

enhancement

ihood & Economi

Capacity Building Principles

From the know to the unknown Practice &

Hands-on

Peer Sharing & Learning

Documenting & Record Keeping New Techniques

& Knowledge

In Situ

and

Ex situ

Conservation

Post

harvest

handling

and value

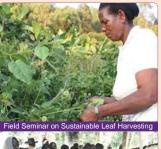
addition

Microbiological

and

antimalarial

assessment









Key Outcome

- Cultivation of highly-demanded medicinal species for income generating options
- Healer Group formed an association and meet every first Friday in the month
- Medicinal plants occurring in the region of Lake Bunyonyi are effective against malaria, bacterial and fungal infections
- Ex-situ conservation of medicinal plants is an effective way of mitigating against their loss in the wild due to over exploitation and destruction practiced.
- Improved practices of traditional medicine preparation, packaging and how to run their practices will enable them improve on the quality of their services
- Practice as an enterprise Value Chain Development for herbal medicine can improve livelihood and service provision
- Access to credit can empower traditional healers improve on and run their clinics more effectively.

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Traditional Knowledge and Science Our Lulture - Our Basis - Our Future

Income diversification using indigenous crafts works

Publication

and

dissemination

of research

findings

Economic

Empowerment,

Value Chain

development

and enterprise

development

Business skills

development

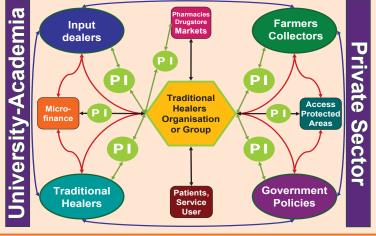
and

capacity

building

indigenous crafts works

Stakeholders and Project Intervention Point of Entry (PI) Matrix





Conservation of Medicinal Plants Domestication and Cultivation



Ms. Anke Weisheit (MUST), Mr. Alex Ariho, (EHC)

Background

- Traditional medicine serves 80% of Ugandans' primary health care
- Affordable, accessible and culturally accepted
- High potential leverage on public health with 1 herbalist per 200-500 inhabitants compared with 1 allopathic Doctor to 2000 - 20.000 inhabitants

Main constraints faced by traditional healers

- · Increasing population degrading forests
- Limited supply of phytomedicinals
- · Poor harvesting practices
- · Limited knowledge about cultivation and propagation
- Limited land availability

The need to move from wild harvesting to on-farm cultivation of phytomedicinals

- Concurrently, population pressure on the natural resource base and the resulting high rate of deforestation have decreased the diversity and availability of medicinal plants in forest and agroecosystems.
- · Resource access to protected areas is limited.
- Population pressure on the natural resource base and the resulting high rate of deforestation have decreased the diversity and availability of medicinal plants in forest and agro-eco systems.
- Medicinal products are mostly harvested from the wild and the cultivation culture for medicinal plants, especially on a large scale is not widespread in Uganda.
- Markets of medicinal plants products exist but are not organised and are often woody species.

Introduction

The aim: Improved livelihoods

- Cultivation of highly-demanded medicinal species offers income-generating options
- Transferring the resource from the forest to the farm saves collection labour, reduces transport costs and eases management.
- Increased product supply contributes to decreasing costs of treatments, thus enhancing access to health care especially by the poorest.
- Exchange of knowledge, skills and planting materials
 among herbalist groups
- · Exploring the potential on multi-purpose medicinal trees

Conservation of biodiversity

- · Reduction of pressure on wild populations
- Introduction of indigenous species on farm (ex-situ Conservation)
- Advocating the promotion and planting of indigenous trees and plants on farm

Maintenance of indigenous knowledge

- Technical support helps herbalists to value their own indigenous knowledge and share it more freely
- Documentation of indigenous knowledge and sharing with the younger generation
- Herbal Medicine Practice as an enterprises for income
- Institutional Support

Identification of Beneficiaries Selecting of Herbalists

- Selection of three herbalist associations who are not serving the same area (avoiding competition feeling)
- Should be organised to facilitate sharing self elimination of quacks





















Key Activities

- Herbalists select rare and highly-demanded medicinal species for domestication
- Propagation work in the professional nursery is being conducted on priority species
- Practical training provided to herbalists in basic tree/plant nursery establishment and management, and propagation
- On-farm testing of propagation methods through seeds, wildings and cuttings (vegetative propagation) of supplied species
- Provision of training in appropriate seed collection and guided field trips on sustainable harvesting build collectors' capacity to improve their practices

Results

- Diversity of rare species total number of rare species mentioned = 103 species (24 herbalists)
- Only 19 out of 103 species are cited by more than one herbalist as 'difficult to find'. Most species are cited only once.
- · Diversity of cultivated species
- Total number of cultivated species = 120 species (20 herbalists)
- Only 20 out of the 103 rare species are cultivated
- Only 15 out of 100 cultivated species are cultivated by more than one herbalist
- The range of species used and cultivated by herbalists is highly specific to individual herbalists
- Knowledge sharing on cultivation practices can have strong impact for conservation

Outcome / Impact

- Herbalists have built confidence in the partnership and are increasingly open to work together and to share their knowledge about cultivation and conservation.
- 15 tree / plant nurseries established and transplanted on farm
- Herbalists collecting their own planting material and use the acquired propagation skills in germplasm collection and handling
- Associations in Western districts of Kasese, Kabarole and Bundibugyo have requested similar support.
- Early steps at RPWRD have been made to increase its capacity to produce, process and market medicinal products.
- Herbalists' capacity and awareness of the need for documentation and preservation of indigenous knowledge have been enhanced

Partners

Host: The Rukararwe Partnership Workshop for Rural Development (RPWRD) is an indigenous NGO in Bushenyi district established in 1986 which cooperates with three local herbalist associations.

Technical Support: The World Agroforestry Centre (ICRAF) is an international agricultural research organization. Its mission is to improve human welfare by reducing poverty, improving food and nutritional security, and enhancing environmental resilience in the tropics.

Funding: Environmental Conservation Trust of Uganda (ECOTRUST), http://ecotrust.or.ug

Award

Winner 2003: The CGIAR - Innovation Marketplace, "Best Innovative Partnership Program" to Mr. Nyine Bitahwa of (RPWRD), in partnership with Ms. Anke Weisheit, (ICRAF), Strengthening the Capacity of Herbalists in Conservation and use of Medicinal Species. By the Consultative Group on International Agricultural Research

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Harvesting & Processing of Medicinal Plants



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Objectives

- · To build capacity in sustainable harvesting techniques for medicinal plants
- To build capacity in good post harvest handling practices and technologies
- To introduce simple technologies for adoption by traditional healers and small scale processors on herbal medicine
- · To improve the capacity for preparation, packaging and labelling herbal medicines
- · To provide guidance in fulfilling legal requirements for traditional medicine by local authorities
- To develop value chains for herbal medicine



to the market - at a local Expo





Harvesting of Medicinal Plants and Trees



vesting cultivated Vernonia spp.

Post harvest processing of herbal medicine



Improved drying shade for medicinal plants



Localprocessing and packing of herbal medicine



a dust producing proces



doing it outside is better



Boiling herbs on firewood - strong unhealthy smoke & contamination with ash

Improved processing and packing of herbal medicine



- hygienic source of heat,

optimal for herbal medicine processing

Gas stove





(new) bottle and labelling session



Key Outcome

- Reduced harvest and post harvest losses leading to reduced pressure on plants
- Reduction of using the wrong medicine through clear labelling and colour codina
- Safe herbal remedies free from avoidable contaminations
- Attractive looking, informa tive and convenient herbal medicine packaging
- Reaching wider market and consumer base
- Increasing compliance and comfort in using herbal remedies
- Products fitting in the urban and modern life style

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Packing herbal medicine in clean environ

ment - requirement by regulatory body