Foret products and service projects

This programme is currently implementing three projects namely:

1.Enhancing commercialization of Wood and Non-wood forest products.
This project is addressing increasing demand for previously underutilized wood and non-Wood forest products.

2.Utilisation of biomass energy technologies and biofuels for domestic and industrial use in Uganda .
This project is addressing alternatives to fossil fuel and also conversion efficiencies of different energy technologies.

3.Determination of relative carbon sequestration capacities for selected plantation tree species. This project proposes to establish baseline carbon sequestration capacities of selected tree species and also to empower tree farmers to engage in carbon trade.

4: Ecosystem services

Objective

- To determine values of forest ecosystem services
- To determine carbon sequestration potential of selected tree species
- To assess climate change impacts and vulnerability on ecosystem services and livelihoods



Fig.1 Wood products



Fig.2. Clonal Eucalypts poles



Fig.2. Biodiesel processing and briquette making



Fig.3. Gum Arabica exu-

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NaFORRI
National Forestry Resources Research Institute
Forestry Research for Improved Livelihoods

FOREST PRODUCTS AND SERVICE PROGRAMME (FPSP)

NARO

National Agricultural Research Organization

REPUBLIC OF UGANDA

Background

The Forest Products and Service Program (FPSP) is one of the four programs at NaFORRI. It carries out research on wood and non-wood forest products that are of benefit to man.

What are Forest Products?

Forest products are returns derived from forests that are beneficial to users. They include tangible products and non-tangible ones referred to as services. Tree products are the most dominant commercial products and include firewood, charcoal, timber and poles. Non-wood forest products include rattan canes, wild fruits, nuts, medicine, edible insects, oils, gums and resins. The often overlooked non-tangible forest services include climate regulation; water catchments and flood control; soil and water conservation; nutrient storage and recycling; carbon sink; biodiversity base; and recreation—all of which are a basic part of any economy's support systems.

The challenge however is the shrinking forest cover due to mainly deforestation arising from agricultural expansion, over exploitation products and illegal forest activities. Research on forest products sourcing, processing and utilization, could contribute to sustainable forest management and utilization.

Vision

A programme of excellence spearheading research in forest products and services for improved livelihoods, economic growth and natural resource conservation

Mission: To generate and disseminate appropriate technologies for sustainable utilization of forest products and services.

Objective

To develop and disseminate appropriate methods, practices and technologies for efficient harvesting, processing and utilization of wood and non-wood forest products.

Core Values

- Team work and partnerships
- Innovativeness
- Integrity and Credibility
- Equal opportunity and equity

Key Focus areas/objectives

1. Wood Products

Objectives:

- To determine physical and mechanical properties and end use options of emerging timber species
- To convert wood wastes into alternative high value commercial products

2 . Non-wood Forest Products (NWFPs)

Objectives:

- To establish and analyze value chains and markets of selected None wood Forest Products NWFPs
- To link NWFPs producers to markets

3.Biomass Energy

Objectives:

- To develop and disseminate efficient fuel wood utilization technologies
- To determine quantity and quality of oil from selected energy crops for biodiesel production in Uganda. Currently, the programme is focusing on Jatropha curcas and Ricinus communis (castor oil plant) as biofuel crops.