- Impact of the harvesting, processing and utilization technologies on the trees and ecosystems assessed.
- Service of trees and forest ecosystems understood.

5. Integrated Pests, Diseases and Fire Management

To develop and disseminate technologies for integrated pest and disease management and protection of trees and plantation from fires.

Outputs:

- Pests and diseases of trees, forest systems and products identified.
- Appropriate pest and disease management options developed.
- Appropriate pest and disease management options packaged and disseminated.
- Occurrence of forest fires and their impact assessed.
- Appropriate fire management techniques packaged and disseminated.
- Impact of the technologies against pests, diseases and fires determined.

6. Socio-economic, gender and human concerns

Overall objective:

To mainstream socio economic, gender, and human concerns including the issues of the prevalence of health hazards such as HIV/AIDs scourge and malaria into the technologies, practices, knowledge and information generated and disseminated.

Outputs:

- Socio-economic needs and demands from forest and tree technology development and promotion identified.
- Gender roles, responsibilities, and obligations including the interests of the youth, the elderly, disadvantaged groups and people with disabilities addressed.
- The issues of prevailing health hazards (HIV/AIDs and malaria) and their effects integrated.

7. Information Communication Management (ICM)

To continually update library and information services; supporting networking and technical computer services for efficient and effective research execution.

Outputs:

- Well stocked and continually updated library and information resource centre developed and coordinated.
- Systems for assisting library users in locating and obtaining reading materials and proper arrangements to access information developed.
- Networking and technical computer services to support the execution of research services provided.
- Technical guidance for information and communication technology provided.

Partnership and Collaboration

NaFORRI's mode of operation is through partnership and collaboration with national, regional and international institutions including the whole NARS, all NARO institutes, universities, the International Agricultural Research Centers, the Center for International Forestry Research (CIFOR), International Centre for Research in Agroforestry (ICRAF) and all environment and natural resources institutions.

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National Forestry Resources Research Institute

NaFORRI

Forestry Research for Improved Livelihoods

MANDATE, FOCUS AREAS, OBJECTIVES AND OUTPUTS

NARO

MINISTRY OF AGRICULTURE, ANIMAL INDUSTRY AND FISHERIES (MAAIF) UGANDA

THE REPUBLIC OF UGANDA

Background

Forestry research had always been part of the general forest management activities since the establishment of the Forestry, Botanic and Scientific Department in 1898. In 1954 the Forestry Research Center was established at Nakawa. Forestry research was under the control of the Commissioner for Forestry until 1992 when it was transfered to the National Agricultural Research Organization (NARO). NARO was mandated to undertake, promote and coordinate research in all aspects of crops, fisheries, forestry and livestock.

The reformed NARO, now the apex body of the National Agricultural Research Systems (NARS), is governed by the Council and guided by National Agricultural Research Policy 2003 and the National Agricultural Research Act 2005. The NARS comprises of the Public Agricultural Research Institutes (PARIs) and the non-PARIs.
The PARIs are composed of the National Agricultural Research Institutes (NARIs) and the Zonal Agricultural Research and Development Institutes (ZARDIs).
The National Forestry Resources Research Institute (NaFORRI) is the NARI mandated to undertake research in all aspects of forestry. The research for development (R4D) in NaFORRI aims at increasing the benefits derived from trees and forests through conservation and sustainable management. The NaFORRI Headquarters is located at Kifu 12 km on Mukono – Kayunga Road.

Vision: NaFORRI is the NARI of excellence spearheading forestry research for improved livelihoods, economic growth and natural resources conservation.

Mission: The Institutes' mission is to generate and disseminate appropriate technologies on forests and tree resources for increased productivity, conservation of biodiversity and enhanced environment.

Objective: NaFORRI's objective is to enhance scientific innovations, skills, information and policy advice for increased productivity, conservation and sustainable use of forest and tree resources.

Research Themes

Research at NaFORRI is carried out in thematic areas as follows:

Theme 1: Understanding people, their livelihood systems, demands and impact of innovations.

Theme 2: Enhancing innovation process and partnerships.

Theme 3: Enhancing integrated management of natural resources.

Theme 4: Developing technological options responding to demands and markets.

Theme 5: Enabling policies and linking producers to markets.

Focus Areas of NaFORRI R4D

Currently the NaFORRI R4D is focused on the following:

1. Farm Forestry

Overall objective:

To develop and disseminate appropriate technologies that integrate trees on-farm to optimize crop yields, livestock production and conservation of the natural resource base.

Outputs:

- Needs and potential trees/shrub species for integration in farming systems identified.
- Trees/shrub species for different farming systems evaluated.
- Appropriate trees/shrubs management techniques developed.
- Appropriate farm forestry technologies packaged and disseminated.
- Adoption and impact of agroforestry technologies assessed.

2. Natural Forests

Overall objective

To develop and disseminate technologies for the conservation and use biological of diversity of forests and tree resources on a sustainable basis.

Outputs:

- Natural forest and woodland ecosystems understood.
- Communities and national development needs for natural forest resources determined.
- Methods and practices for sustainable management of natural forests developed.
- Appropriate forest management technologies packaged and disseminated.
- Adoption and impact of sustainable forest management technologies assessed.
- Impact of forest management and utilization technologies on the ecosystems assessed.

3.Plantation Forests

Overall objective:

To develop and disseminate technologies to enhance establishment and management of forest plantations for increased productivity.

Outputs:

- Communities and national development needs for plantation forest resources understood.
- Suitable trees species for plantation development identified.
- Suitable propagation techniques for plantation tree species developed.
- Appropriate plantation forest management techniques developed.
- Adoption and impact of the sustainable plantation forest management technologies assessed.

4. Forest Products and Services

Overall objective:

To develop and disseminate technologies that enhance efficient harvesting, processing and utilization of wood and non-wood forest and tree products.

Outputs:

- Efficient methods for harvesting wood and non wood forest products developed.
- Efficient methods for processing wood and non wood forest products developed.
- Efficient methods for utilisation of wood and non wood forest products develped.
- Appropriate techinologies for wood and non wood forest products, harvesting, processing and utilization packaged and disseminated.