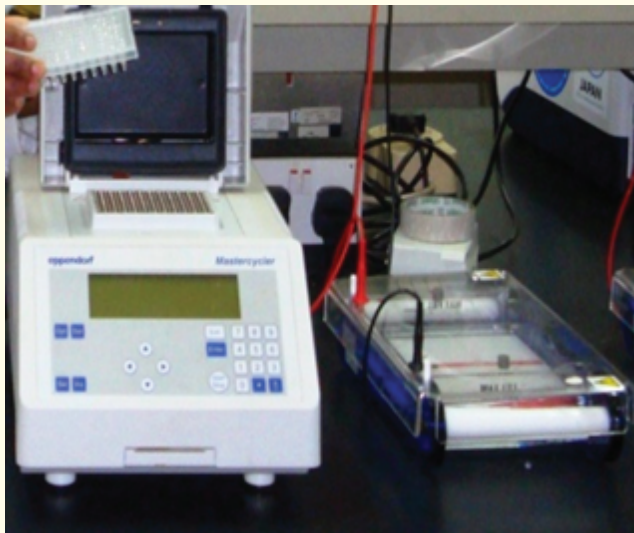


Socio-economics Policy and Governance

- Developed Participatory Forest Management (PFM) guidelines
- Developed a model for Payment for Ecosystem Services (PES)

Technical Support Services

- Disseminated various technologies and information on forestry through open and field days, agricultural shows, conferences and workshops, print and electronic media
- Trained stakeholders in various aspects of forestry such as; rehabilitation of degraded natural forests, rangelands and woodlands; nursery management; and Participatory Forest Management (PFM)
- Provided laboratory services in soils, plant, microbes and molecular analyses
- Provided consultancy services in: various aspects of forestry management and rehabilitation; landscaping; and Environmental Impact Assessment and Audit
- Provided advisory services in management of tree pests and diseases



Thermocycler and gel electrophoresis equipment



Genetic analyser



Contact

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KEFRI is ISO 14001:2004 EMS Certified



CHERP office block at Muguga

CENTRAL HIGHLANDS ECO-REGION RESEARCH PROGRAMME (CHERP)



Introduction

The Central Highlands Eco-region Research Programme (CHERP), is a research centre of KEFRI mandated to undertake forestry research mainly within Mt. Kenya forest and Aberdare forest ecosystems. The Programme develops forestry technologies for; forest productivity and improvement, biodiversity and environment management and forest products and undertakes socio-economics, policy and governance studies in forestry. The programme also provides technical support services on forestry.

Location

CHERP headquarters is situated in Muguga 23 km North-west of Nairobi, off Nairobi - Nakuru Highway after Sigona Golf club. Its sub-centre is located in Nyeri town at Muringa-to 4 km along Nyeri- Nyahururu road.

Vision

A centre of excellence in forestry research for development in the central highlands eco-region.

Mission

To conduct research and provide information and technologies for sustainable development of forestry and allied natural resources for socio-economic development in central highlands eco-region.

Strategic Objectives

- To enhance: Vision 2030 delivery; customer/stakeholder satisfaction and retention; linkage and partnership with stakeholders; and livelihoods.
- To increase forest technologies and innovations, enhance multi-sectoral and public-private sector research, and enhance knowledge management and dissemination systems.

Geographical Coverage

Central Highlands Eco-region Research Programme covers ten counties namely; Kiambu, Nairobi, Murang'a, Nyeri, Nyandarua, Kirinyaga, Embu, Tharaka-Nithi, Meru, and

Laikipia. The eco-region also partially covers; eastern Nakuru, lower Samburu, northern Kajiado and upper Machakos.

Our Achievements

Forest Productivity and Improvement

- Developed technologies for bamboo propagation and establishment
- Developed propagation and management guidelines for both indigenous and exotic tree species eg. *Vitex keniensis*
- Released bio-control agents for tree pests e.g. cypress aphid
- Developed protocols for management of tree diseases and pests
- Developed technologies for soil fertility improvement including a bio-fertilizer (KEFRIFIX)
- Developed protocols for tree seed handling, germination and storage
- Improved varieties of *Pinus patula*, *Cupressus lusitanica* and *Eucalyptus grandis*
- Established seed orchards and seed stands for seed production
- Supplied about 2.5 tons of high quality seeds of various tree species per year
- Developed protocols for propagation of *Osyris lanceolata* (Sandalwood)



Seedlings of Sandalwood raised through cuttings and air layering



Pinus patula seed stand in Nyeri

Biodiversity and Environmental Management

- Developed technologies and management guidelines for rehabilitation of degraded natural forests, rangelands and woodlands
- Developed technologies for conservation, propagation and sustainable utilization of medicinal plants
- Established demonstration trials of medicinal plants.
- Identified drought tolerant species and provenances for semi-arid areas

Forest Products Development

- Developed technologies for bamboo utilization



Bamboo research in Mt. Kenya forest