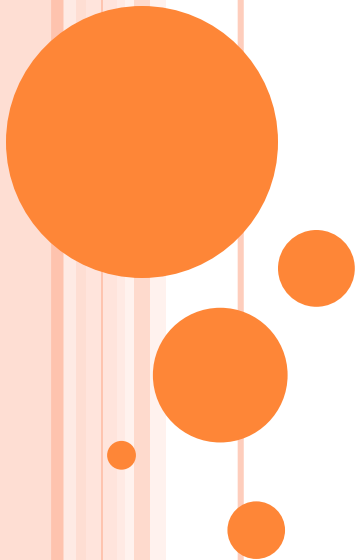


FOREST MANAGEMENT AND CLIMATE CHANGE IN EAST AFRICA

Outcomes & activities



ADVOCACY

○ Outcomes

- Awareness of the impacts of climate change on forests and the role of forests in addressing climate change enhanced
- Increased political will to address climate change in the forestry sector

○ Activities

- Preparation and dissemination of policy briefs for all stakeholders incl. communities, politicians/legislators & forest managers
- Awareness raising & sensitization workshops and policy dialogues for stakeholders (*incl. decision makers, schools etc.*)




CAPACITY DEVELOPMENT

○ Outcome

- Enhanced capacity of individuals and institutions to plan, participate and manage processes necessary to support the implementation of climate change actions in the forestry sector

○ Activities

- Identify capacity development needs for forest related bodies, the private sector, community organizations etc. to implement adaptation and mitigation measures
 - Prepare manuals & guidelines to support climate change mainstreaming into forestry
 - Provide training and education programmes to relevant stakeholders (*e.g. forest managers, CFUGs etc.*) on vulnerability, risk & impact assessments to climate change
 - **Field** support for forest managers to apply climate-smart forestry practices
 - Facilitate training of trainers to support communities and indigenous groups to improve management (*e.g. to reduce human induced fires & sustainable harvesting of forest products*)
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POLICY PROCESSES

○ Outcome

- Climate change integrated into forestry sector strategies and plan (*e.g. REDD+ strategies, forest management plans*) & forestry mainstreamed into climate change policies and strategies (*e.g. NAPs & NDCs*)

○ Activities

- Review of the existing national forestry & climate change policies, strategies and legislation for mainstreaming of climate change and forestry respectively
- Data collection & synthesis and stakeholder consultations to support review and revision of forestry & climate change policies
- Revise forest policies to ensure consistency with policies strategies and agreed priority actions related to climate change
- Contribute to the development and/or revision of national policy documents related to climate change to ensure the inclusion of forestry related issues




RESEARCH, ASSESSMENT & MONITORING

○ Outcome

- Data from research and resource assessments used to address impacts of climate change on forests

○ Activities

- Review existing forestry data and if necessary, conduct forestry resources assessments, forest inventories & other relevant studies
 - Evaluate species distribution and response to climate change (*incl. species distribution modelling*) & identify climate-resilient species
 - Analyze the supply & demand of wood and non wood forest products
 - Protect vulnerable species (*e.g. Acacia & Boswellia*) and promote the use of alternative species (*e.g. for woodfuels*)
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KNOWLEDGE, INFORMATION & COMMUNICATION

○ Outcomes

- Nexus between forests and climate change identified and used in policy formulation and forest management
- Best practices for adaptation and mitigation promoted in forestry

○ Activities

- Develop communication strategy for addressing climate change in forestry
- Communicate accurate, timely, relevant and consistent information on forests and climate change issues, impacts & response measures to decision-makers and to other stakeholders (*incl. media*) at all levels
- Collate and disseminate **good practices in forest management** to all stakeholders
- Organize study & information exchange visits between sub-regional experts
- Establish knowledge sharing networks/platforms

ADAPTATION MEASURES

○ Outcome


- Enhanced resilience of forests & forest dependent communities to climate change (*e.g. thru improved land management; restoration & rehabilitation of degraded lands; biodiversity, soil & H₂O conservation & improved livelihoods, food security & nutrition*)

○ Activities

- Restore and rehabilitate degraded lands to strengthen resilience of communities and ecosystems (*incl. riparian zones & catchments*)
- Establish nurseries & seed orchards to support restoration and rehabilitation efforts to improve resilience
- Protect species (*e.g. Acacia & Vitellaria sp.*), forest ecosystems (*e.g. watersheds & catchments, drylands, rangelands*) & genetic material vulnerable to climate change impacts (*incl. fire, drought, pests & diseases*)
- Conduct yield & productivity studies of forests under a changing climate
- Adjust forest management plans & harvesting schedules to maintain/increase yields


ADAPTATION MEASURES CONT'D

○ Activities

- Introduce mixed species plantations to improve stand resilience to climate change
 - Match species & varieties to current & projected site and climatic conditions
 - Utilize new technologies (*e.g. cloning & the use of hydrogels in tree planting*) to increase yields
 - Adjust silvicultural practices accordingly (*e.g. thinning, pruning, species selection*)
 - Taxonomic classification of species within established forest zones
 - Encourage enrichment planting (*e.g. using non-wood species i.e. Bamboo*) in deforested/degraded areas
 - Improve management (*e.g. law enforcement*) of protected areas
 - Promote extensive grazing of livestock (*e.g. thru exclusion*) to prevent overgrazing and promote natural regeneration
 - Establish biodiversity corridors to allow species (*flora & fauna*) migration and landscape connectivity
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ADAPTATION MEASURES CONT'D

○ Activities

- Construct water harvesting & soil conservation structures (*e.g. choke dams, terraces, soil bands, rainwater harvesting etc.*) to control erosion, prevent floods and ensure water storage & regulation
 - Promote agro-silvopastoral systems and sustainable rangeland management practices to improve resilience of ecosystems and communities
 - Promote the diversification of forest-based income generating activities (*e.g. agroforestry, apiculture*) to enhance livelihoods & food security & nutrition
 - Re-settle pastoralists (*with provision of the irrigation schemes and provision of social services such health, schools*)
 - Support community initiatives for the production & commercialization of NTFPs
 - Ensure gender equity in access & use of forest resources and implement measures to safeguard the livelihoods of women
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MITIGATION MEASURES

○ Outcomes

- Emissions from forest management practices and forest products reduced
- C stocks in forests enhanced

○ Activities

- Conserve carbon stocks in forests by reducing illegal and/or overharvesting and other uses
- Establish nurseries to support the establishment of carbon plantations
- Restore degraded forests by planting or natural regeneration to increase carbon stocks
- Measure & monitor forest carbon stocks
- Promote sustainable forest management to conserve carbon stocks
- Promote the sustainable production and efficient use of woodfuels and/or alternative renewable energy sources (*e.g. solar, wind, hydro*)
- Promote the use of technologies that reduce fuel consumption (*e.g. improved stoves & improved charcoal kilns*)

FINANCIAL & ECONOMIC CONSIDERATIONS

○ Outcomes

- Forests valued for ecosystem goods & services
- Investments in sustainable forest management increased

○ Activities

- Review information on forest ecosystem values and where required undertake valuations of forest ecosystem goods and services
- Assess the impacts of climate change on forest ecosystem goods and services & publish and disseminate information on the value of forests & the importance of addressing climate change
- Inform policy-makers on the benefits of schemes for PES & encourage them to establish such schemes
- Identify funding for climate change interventions in the forestry sector (*e.g. FCPF, GEF, GCF, bilateral donors, national budgets*)

