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National Focal Point for (Bamboo & UNCCD)
Official web sites

1. Environment forest climate change
   EFCCC.Gov
   Forest sector/ bamboo

2. INBAR (international network for Bamboo & Rattan)  www.inbar.int
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1. Introduction

- Ethiopia implementing revised forest proclamation of sustainable (DCU) of Forest resources, 2018 (10/65)
- Bamboo strategy and action plan is also underway from 2019-2030
- It has largest bamboo resource (1.47 mill ha)
- Potential for increasing resource base (>3.5 mill ha)
- The subsector is underutilized & often limited to traditional processing & use
- It is least participant in the global bamboo trade
- Accounts 0.4% import and 0.2% export of global market
- Contribute 56,250,000 birr for GDP (source: BVCA, 2018)
2. Benefit (Strategy)

- Bamboo has:
- Potential to substitute **wood products**
- Livelihood improvement **750,000** people dependent on it
- Strategic plant for landscape **restoration**
- Carbon sequestration (**Total of 35.5 Million ton C**)
- Potential to involve **private, Cso and public** sectors at large
3. Key Challenges/ constraint

- Lack of coordination & Linkage b/n various value-chain actors
- Few bamboo **industries**, many MSE’s
- Majority of processing activities done by enterprises with limited options to **knowledge & innovation**
- Lack of management & harvesting from **state & communal ownership**
- Under developed bamboo **market & linkage & mechanism**
- Land use conversion: -mass flowering, forest fire + due to economic importance
- Low Perception for bamboo products- durability + Quality of products
4. Content of the Strategy (68 pages)

1. Introduction
2. Bamboo Resources & Existing Value-Chain
3. Constraints & Bottlenecks
4. Guiding Principles, vision, goal & objectives
5. Strategic Directions & Development Approach
   5.1 Establish bamboo clusters
   5.2 Manage existing bamboo resources
   5.3 Promote establishment of new bamboo plantation
   5.4 Develop value-chain
   5.5 Create enabling environment for market development
   5.6 Enhance knowledge on development, management & utilization of bamboo resources.
   5.7 Build Human capital & knowledge management system
   5.8 Develop partnerships & mobilize resources
   5.9 Create enabling institutions, governance mechanisms & incentive modality
   5.10 Monitoring & Evaluation
5. Guiding Principles

- Government led & market driven
- Promoting bamboo subsector to provide job with long supply-chain/value-chain
- Promoting bamboo subsector to contribute towards green growth initiative/CRGE
- Promoting bamboo industry to contribute towards increasing farmers’ income & resilience
- Promoting bamboo & industry to reduce pressure on forests & timber supply, (Forest-Degradation)
- Promoting bamboo to boost ecosystem services & climate resilience
- Soil erosion control, water quality & quantity, landslide, etc
6. Goal/overall objective

• Enhance bamboo subsector contribution for **mitigation of climate change impact**
• Increase **land restoration** and livelihood improvement in small holder farmers
• To **transform & sustainably manage** bamboo resources by focusing on the development of **green industries (MSL)**
• To produce value-added products catering for **domestic, regional & global markets**.
6.1. Specific Objectives

- **Short Term: 2019-2024**
- Plant (new) **74,000 ha (this year 20,000 ha)**
- Upgrade/ restock **55,000 ha existing/natural forest**
- Create **500,000 rural /Urban jobs**
- Increase farmers income to Birr **6000/HH**
- Produce **0.5 million M3 of industrial products (panels & boards)**
6.2. Long Term: 2025-2030

- Plantion (new) **126,000 ha**
- Upgrade **145,000 ha** existing/natural
- Create **1,000,000** new jobs
- Popularize bamboo as suitable construction material (construct **200,000 houses**)
- Produce **1-2 million MT** of energy products
- Produce **1.5 million M3** of industrial products
7. Strategic Directions & Actions

- 10 Strategic directions (SD)
- 27 Strategic Actions (SA)
- 115 Key Activities
- (Bamboo strategy is well cited in EFCCC / INBAR website pdf 68 page)
7. Strategic Directions & Actions

- SD1. Establish bamboo clusters
- Form bamboo clusters in close geographical location (Dutch-Sino-East African Bamboo /INBAR)

- Key Activities
- Determine set of criteria for the establishment of clusters
- Identify & determine clusters (~5 clusters)
- Identify specific bamboo products that should fall within clusters

- This enables:
  - Development of supply-chain
  - Minimize wastages
  - Simplify & reduce logistic costs
SD2. Manage existing bamboo resources (NBF)

- Conduct bamboo **resource assessment** on a regular interval of **5 years**
- Make concession arrangements for communities and/or private sectors to sustainably harvest based on management plan (PFM)
- Provide technical capacity building trainings to **communities & private sectors** to improve productivity. (TOT)
SD3. Promote the establishment of new bamboo plantation

- Encourage & undertake suitable bamboo plantation on all ownership modality - 4 (P, A, C & S)
- Provide capacity building trainings (TOT)
- Support & enhance the production of quality planting materials using nurseries & micro/Macro propagation techniques
- Establish **standard & certification** system for **bamboo plantation**
SD4. Develop value-chain

- Establish &/or strengthen model production & training center (African bamboo Training Center)
- Improve vertical integration b/n growers, processors, enterprises & industries to ensure sustainable supply of age & size graded raw materials
- Introduce appropriate tools, molds & fixtures to improve production efficiency & quality
- Provide capacity building training on design & innovation to M/SMEs
- Promote the establishment of new industries & support existing industries
SD5. Create enabling environment for market development

- Facilitate marketing of bamboo products through policy & institutional supports (organizing trade fairs)
- Enhance public awareness & sensitization to promote wider use of bamboo products & support access to information
- Promote traditional value of bamboo (Eco-tourism site, cultural museum)
SD6. Enhance knowledge on development, management & utilization of bamboo through innovation, research & promotion of traditional knowledge

- Promote **bamboo research** that generate information addressing the technical, policy & institutional gaps (**INBAR_EFRII**)  
- Some key activities  
- Platform to identify gaps in innovation, technology & capacity  
- Conduct research on issues identified across value-chain Research review meeting / stand alone
SD7. Build Human capital & knowledge management system

- Promote bamboo education & tailor made on-the-job training (e.g. ICBR)
- Develop functional knowledge management system (curriculum development for vocational Training)
- Some key Activities
  - Develop specialized bamboo curriculum & modules to train professionals at various levels
  - Develop tailor-made training modules on technologies for farmers, MSME entrepreneurs & industry
  - Train, certify & license trainers to conduct training on bamboo resource & skill development on selected value-chains
SD8. Develop partnerships & mobilize resources

- Promote collaboration, cross-learning, technology transfer, joint venture & advocacy
- Mobilize resources for the development & sustainable utilization of bamboo resources (INBAR/FSDP/REDD+, FTU)
- Some key Activities
  - South-South cooperation with bamboo growing countries
  - Integrate bamboo activities in annual work plan & budgets
  - Leverage Green, impact investment fund & climate finance (GCF/GEF)
SD9. Create enabling institutions, governance mechanisms & incentive modality (EFCCC, bamboo hub/unit)

- **Strategic Actions**
  - Set-up appropriate **bamboo unit & recruit pool** of experts at federal, regional & wereda levels
  - Establish **steering & technical committees**
  - Provide enabling **institutional & policy** support (Policy guidelines)

- **Some key Activities**
  - **Mainstream bamboo** strategy & action plan with regional action plans
  - Develop mechanism for land leasing to **grow bamboo & establish industries** by private sectors
  - Review **taxes & tariff** related to bamboo products & lobby for tax exemption/reduction through policy briefs
SD10. Monitoring & Evaluation

- **Strategic Actions**
- Monitor the implementation of the strategy
- Conduct **mid-term & final evaluation** of the implementation of the strategy & document lessons learned for future interventions

- **Some key Activities**
- Evaluate the progress of entire **value-chain** of bamboo development in coordination with key stakeholders
- Produce evidence based advice to influence **policy & decision making**
8. Summary

- Ethiopia has one of the largest **Bamboo resources** in Africa
- It has gone successful progress in implementation of sustainable forest development, utilization and conservation policy
- Pursuing and implementing Bamboo **strategy and action plan**
- EFCCC is actively involved in mainstreaming the strategy with line ministries
- Promising step on establishing the **African bamboo training center**
- **Ultimately**, Ensure Sustainable development and utilization of bamboo resources
Thank you!