

# A Smart Energy Decision for ESG: Positioning Africa to Leapfrog towards Global Decarbonization

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# Nature Based Decarbonization in the Context of ESG



## *Goals and Objectives:*

- Create jobs for local communities
- Support the development of a circular economy
- Produce plastic and steel alternative materials
- Avoid deforestation of traditional forests
- Educational opportunities for students
- Support carbon neutrality goals
- Develop carbon neutrality projects for off-takers
- Leverage existing global commitments and funding and other resources for climate action in Africa

**ESG = Environmental, Social and Governance aspects of equitable global sustainable development (EGSD) for a just global sustainability journey where no one is left behind!**

# Bamboo Based Decarbonization in the Context of ESG

## ➤ Environmental

- Captures and Store Carbon – Nature Based Solution
- Restore Natural Habitat – Bamboo Forests
- Circular Economy – Bamboo products

## ➤ Social

- Sustainable Income for Farmers
- Equity and Justice
- Poor Communities Transformation

## ➤ Governance

- Transparency by Verification
- Digital access from farmers to corporate boards
- Direct payment to famers – minimize corruption

## Project Partners

- Bucknell University (BU)
- Africa Decarbonization Company (ADC)
- Smart Energy Decision (SED) Community
- A Global Financial Company
- Seeking Off-takers, Investors and Donors

# Overview of Bamboo Production Program

## *Roles and Responsibilities*

- ADC will work with local farmers and traditional leaders to plant and harvest bamboo
- ADC will assist community to develop bamboo-related added-value products
- Off-Taking companies will buy carbon credits and bamboo products
- Government involvement: to ensure adequate land, security and labor.

## *Benefits*

- Uses of Bamboo: Furniture, Building materials, Pulp, Fabric, Renewable Fuel
- Afforestation and Reforestation
- Local and community job creation
- From import/export perspective:
  - ✓ *Use bamboo as a substitute for wood and allied materials currently being imported*
  - ✓ *Export a variety of bamboo-based products to generate foreign exchange*