

FORESTRY & BIODIVERSITY LOSS: ADDRESSING THE  
CHALLENGES OF FOREST DEGRADATION AND  
ENHANCING ENVIRONMENTALMANAGEMENT IN  
UGANDA

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# DEFINITIONS

- A forest can be defined as land spanning more than 0.5 hectares with trees higher than 5 meters and a canopy cover of more than 10 percent.
- Biodiversity is the biological variety and variability of life on Earth. It's the variety of plant and Animal life in a particular Habitat
- Biodiversity is the key measure of the health of any ecosystem and our entire planet

## STATUS OF FORESTRY COVER IN KABALE DISTRICT

- ◆ The district has a total area of 576 km<sup>2</sup>, out of which 116ha (1.16 km<sup>2</sup>) is plantation forest(eucalyptus and Pine)
- ◆ Kabale plantations are a peri-urban forest for Timber, poles and firewood for the urban population
- ◆ The district does not possess any Gazetted local forest reserves(apart from Kabale Central reserve comprising of Bugongi Block and Kigongi swampy Block all occupied by NFA)

# TREE SPECIES

- Eucalyptus species
- Pinus patula
- Grevillea Robusta
- Misopsis Emini
- Cupressus Lusitanica
- Black Wattle
- Bamboo



## BIODIVERSITY STATUS OF KABALE DISTRICT

- Most forms of biodiversity is hosted in the wetland complexes with in the District
- Lake Bunyonyi Complex hosts 130 species of birds
- Major ones include Grey-Crowned Crane, Greater Swamp webler,
- **Amphibian species richness and Diversity**, 265 individuals comprising of 21 amphibian species belonging to one order, Anura, 7 families and Nine Genera have been recorded

- All the amphibian species recorded are of the Least Concern both Globally and Nationally

- **Reptilian species richness and Diversity:**

-36 individuals of two orders , Sauria and Serpentes, 5 families and 7 Genera

Note : All the 8 species of reptilian are Not Evaluated

- Plant species Richness: 312 plant species belonging to 75 families have been recorded

- **Mammals:**

- 21 species of mammals have been recorded
- 3 species of these are listed as Globally endangered, ie Terella Shrew, Montane Shaggy rat and Kahuzi Swamp shrew

- **Butterflies and Dragon Flies**

- A total of 37 species of butterflies and 19 species of dragon flies were recorded
- 6 species of butterfly species are nationally red-listed

# DRIVERS OF DEFORESTATION & BIODIVERSITY LOSS

- High dependency on Forestry products
- Un sustainable harvesting practices
- Forest/ plantation fires
- Infrastructure development
- Invasive species
- Climate change
- Pollution
- Human activities(Agriculture..A CDP)
- Weak laws and policies





# EFFECTS OF BIODIVERSITY AND FOREST COVER LOSS

- Economic loss
- Ecological effects
- Social needs-Affects social life
- Food insecurity
- Disease out break



# WAY FORWARD

- Government restrictions and policies
- Education
- Protection of species
- Habitat protection
- Sustainable exploitation of resources
- Control of invasive species
- Use of eco-friendly products



# CONCLUSION

*Every kind of life that lives on Earth is vital for other living beings. Almost all living things are connected to support and maintain life cycles*

***THANK YOU, GOD BLESS YOU ALL!!!!!!***