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# Sustainable Beekeeping Production

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E-LEARNING SERIES

Sustainable Forest Management Impact Program on  
DRYLAND SUSTAINABLE LANDSCAPES

# Overview of Beekeeping Sector in Tanzania

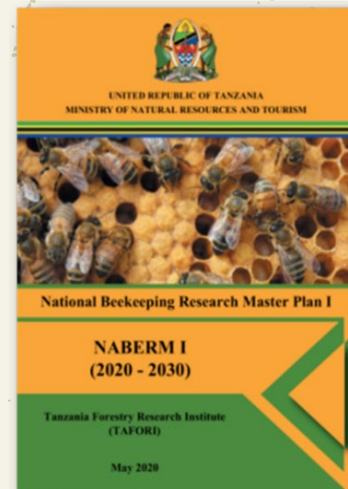
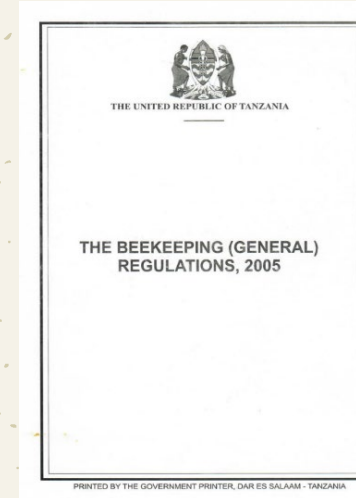
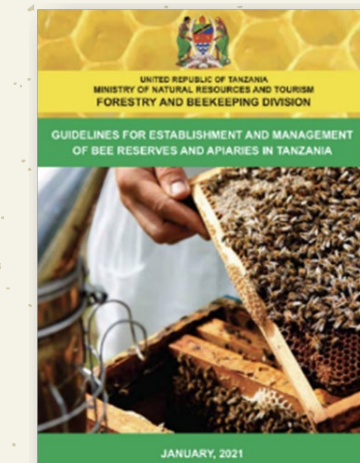
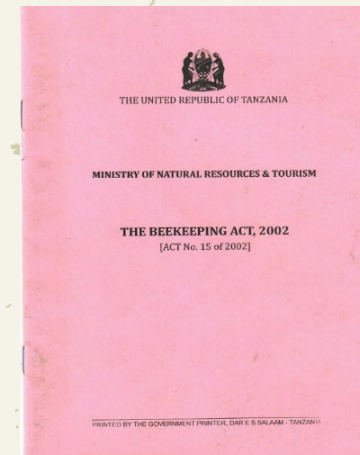
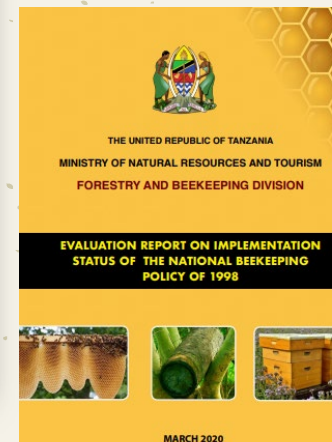
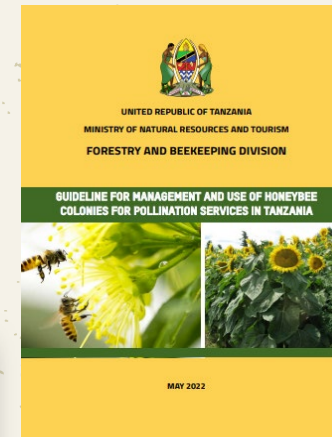
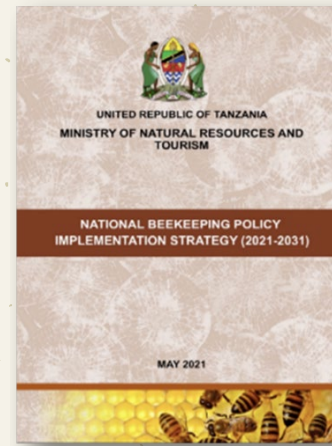
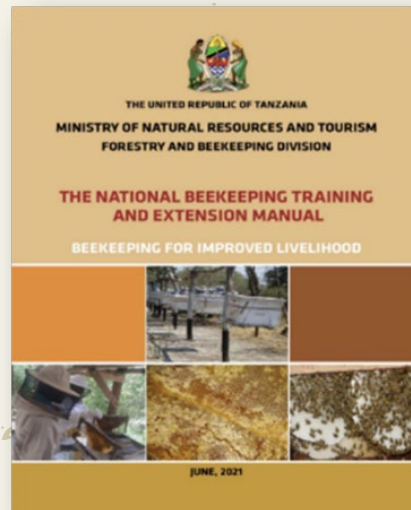
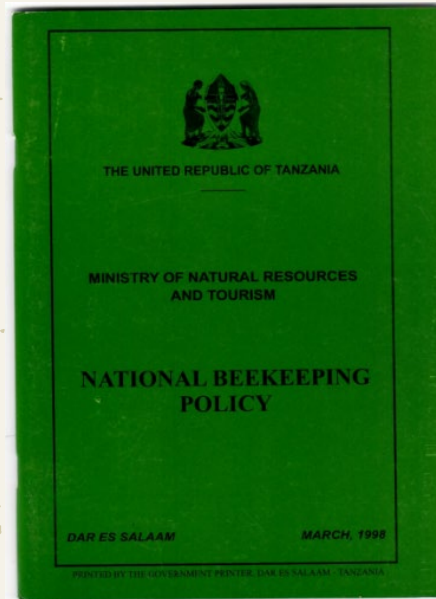
- Designated about 48.1 million ha as a reserve area.
- 99% beekeeping is carried out using traditional methods
- 70% traditional hives
- The potential for honey and beeswax production in Tanzania is 138,000 t and 9,200 t per annum respectively.
- However the production is at 30,340 t and 1,843 t of honey and beeswax respectively
  - 22% of the potential with plans to increase production to 60,000 t by 2025.



# Legal and Institutional Framework



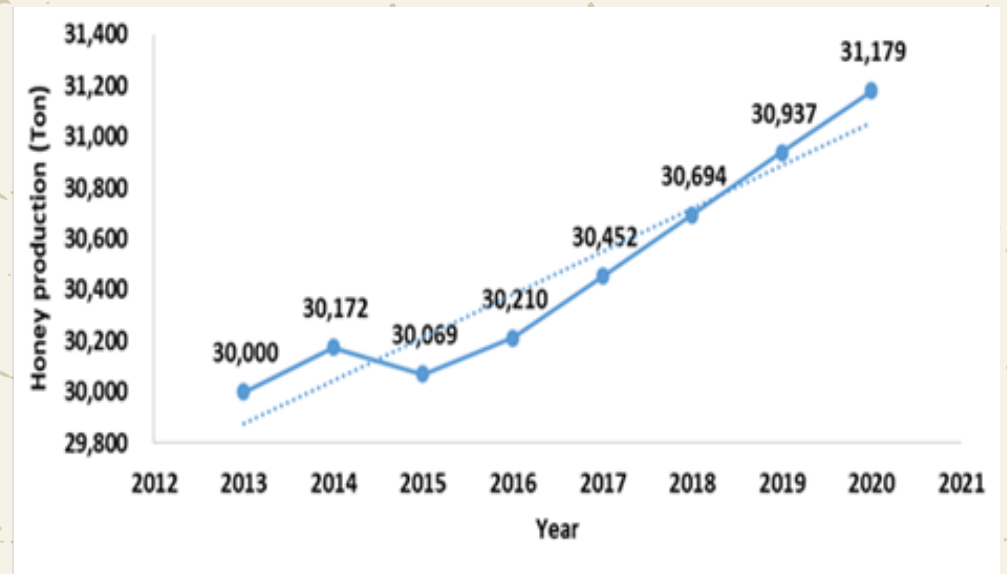
Ministry of Natural Resources and Tourism  
Forestry and Beekeeping Division



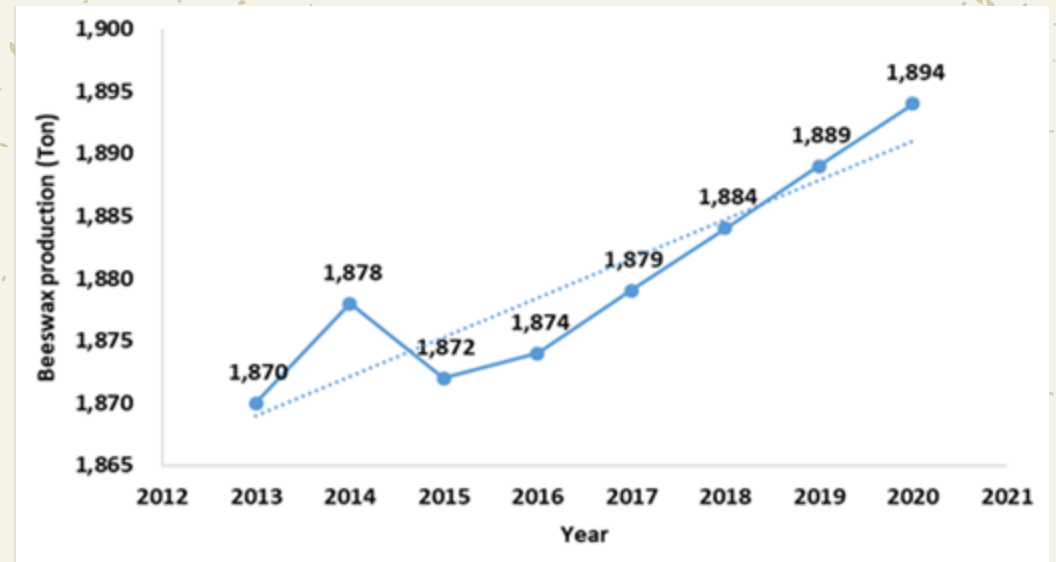
# Potentials and Production



**Frame hive**



**Top Bar hive**



## The role of honey production and beekeeping in Tanzania's efforts towards sustainable forest management



- Beekeeping is an important economic activity with great potential to promote the livelihood of people.
- *It's an activity that creates employment for the majority of Tanzanians as well as collection of revenue.*
- *90% of beekeeping is practiced in protected areas (Forest Reserves, Game Reserves, Bee Reserves and General Lands) with both stinging and stingless species.*
- Relevant to DSL IP Core theme: **Sustainable Miombo Honey production.**
- Miombo woodland is most preferred because of high-quality bee fodders which produce high **quality** and **quantity** honey with two flowering seasons per year.
- Honey Production in TZ stands at 33 thousand tons. Miombo forest from Tabora and Katavi (DSL-IP Project site) contribute about 15.2 thousand tons of honey and 1.08 thousand of beeswax
- Channel of production starts from hive management, honey harvesting, processing, and marketing.

## The role of honey production and beekeeping in Tanzania's efforts towards sustainable forest management



### **Beekeeping activities in Forest Reserves and Bee Reserves**

- ❑ Around 463 FRs under Central Government and LFRS
  - ❑ (TFS-management)
- ❑ Around 14 Bee reserves (TFS-Management)
- ❑ Registered and non Registered (granted entry permit)
  - ❑ Reduce illegal activities
- ❑ Increased community participation
- ❑ Guarantee the sustainability, productivity and Quality
- ❑ Increased forest reserve protection
- ❖ **Quality and Quantity of honey because of diversity of tree species**
- ❖ Ensures maximum productions of bee products and sustainability

## The role of beekeeping in sustainable land management linked to agricultural diversification



### Current Practices 1: Supports Plant Diversity:

- ❑ *Beekeeping encourages the cultivation of diverse flowering plants, which can improve soil health and increase the resilience of agricultural systems. Farmers who practice beekeeping are likely to plant bee-friendly crops, enhancing both crop diversity and ecosystem stability.*

### Practice 2: Boosts Crop Yields:

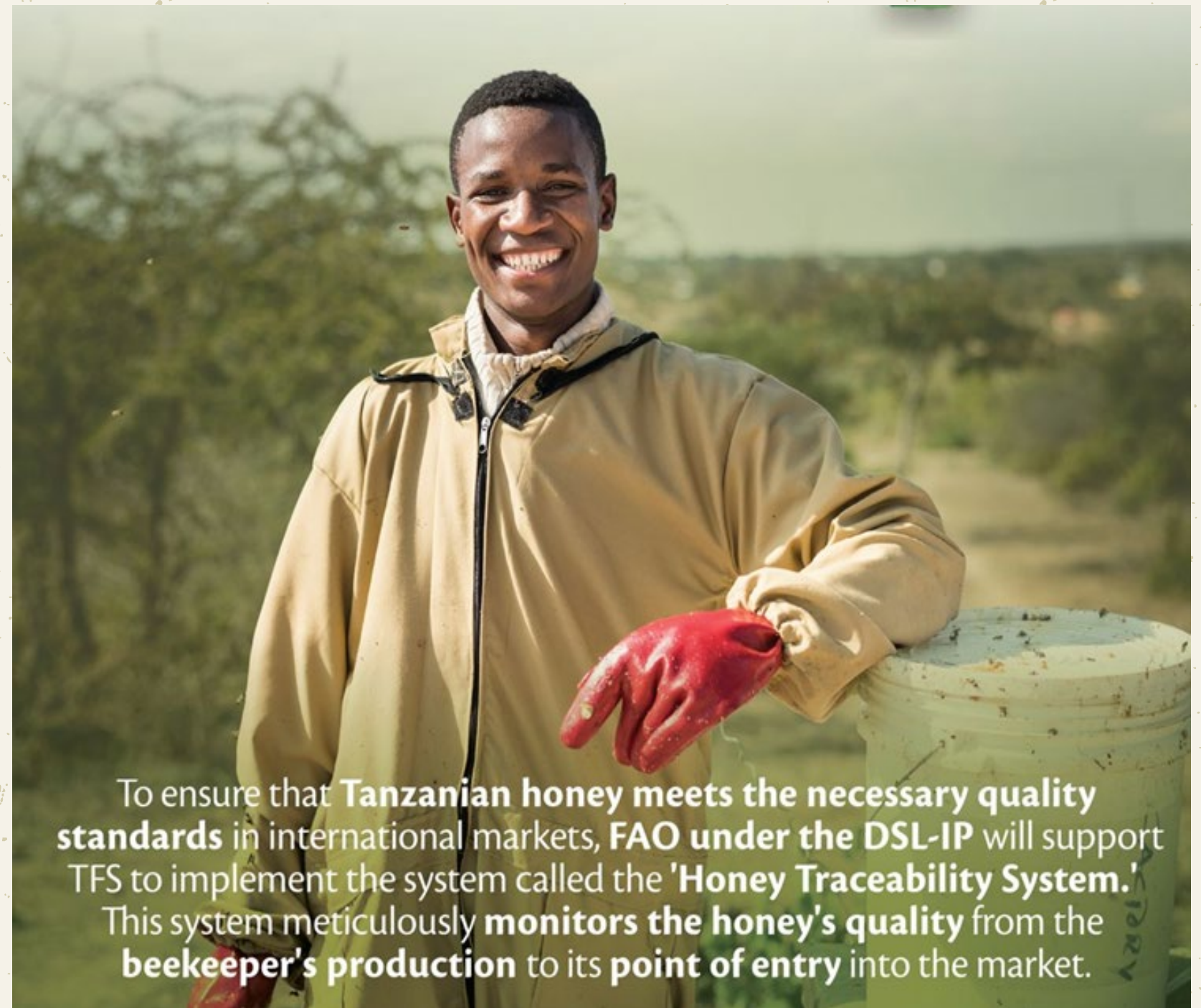
- ❑ Honeybees are vital pollinators for a variety of crops, including fruits, vegetables, and nuts. Pollination increases the quality and quantity of yields, promoting agricultural productivity. Crops like sunflowers, mangoes, and coffee benefit greatly from bee pollination, which leads to higher-quality products.

### Planned under DSL IP

- ❑ Beekeeping and honey crops as a diversification of income and crops
- ❑ Honey crops for fodder production
- ❑ One Country, One Champion-Tanzania is championing Sustainable Beekeeping
- ❑ Traceability system, Certification, & Packaging of Bee Production

➤ **By integrating beekeeping into farming systems, communities can enhance biodiversity, improve agricultural productivity, and promote sustainable land use practices.**

Thank you!!



To ensure that **Tanzanian honey** meets the necessary **quality standards** in international markets, **FAO under the DSL-IP** will support TFS to implement the system called the '**Honey Traceability System.**' This system meticulously **monitors the honey's quality** from the **beekeeper's production** to its **point of entry** into the market.



## Welcome to APMONDIA 2027

Because of good Conservation of forest, best tourism attractions and Hospitality, Tanzania won to Host 50<sup>th</sup> Apmondia Congress for Beekeepers in 2027. (you are ALL INVITED TO ATTEND)

