



Food and Agriculture  
Organization of the  
United Nations



**TICAD7 Side Event: Official Launch of the 2<sup>nd</sup> Phase of CARD**

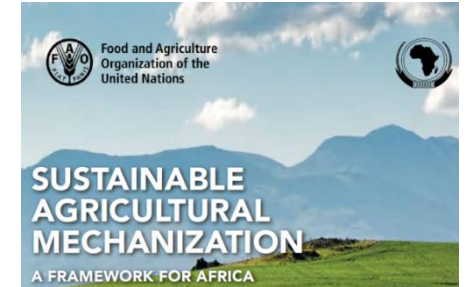
# **A Framework for Sustainable Agricultural Mechanization in Africa (F-SAMA):**

*and its relevancy to rice production systems in Africa*



# The Framework for SAMA in brief

- Developed in response to a **request by the African Union (AU)** from the 2017 Specialized Technical Committee (STC) meeting
- Responds to both the **Malabo Declaration** and **AU Agenda 2063**
- Developed through a **consultative process** with member states, private sector, farmers and other major stakeholders
- **Informs** policy makers & decision makers the significance of mainstreaming mechanization
- Presents **priority elements for national strategies** for sustainable agricultural mechanization in Africa
- Launched **by African Union Commission (AUC) and FAO** in Rome on 5<sup>th</sup> October 2018



# Why is mechanization important in Africa?

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Sharp food demand



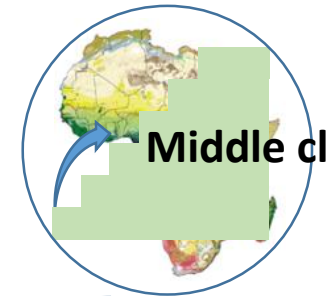
due to high



Rate of population  
growth



Urbanization



Growing  
middle class

- Domestic production not meeting demand - **low productivity; high food loss and waste** etc.
- Demand increasingly met by food imports (*net food imports of about \$35B per year - AfDB 2016*)
- Critical for meeting objectives of job creation, enhanced growth and poverty reduction

# Ten elements of the SAMA Framework

- **Boosting farm power** through appropriate technologies and innovative business models
- Promoting **innovative financing mechanisms** for agricultural mechanization
- **Building sustainable systems** for manufacture and distribution of mechanization inputs
- Sustainable **mechanization across agrifood value chains**
- **Innovative systems** for sustainable technology development and transfer
- Sustainable **transformation of land preparation & crop/animal** husbandry
- Socio-economic sustainability and the roles of **small-scale farmers, women and youth**
- Emphasis on **human resources development and capacity building** for SAMA
- Need for a **long-term vision**: policy and strategy issues
- Creating **sustainable institutions** for regional cooperation and networking





# Relevancy of the SAMA Framework to the rice production systems in Africa

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- Addressing farm **power constraint** in rice production systems
- Promotion of **holistic approach to mechanization along the** rice value chain
- **Improving efficient use** of rice mechanization machinery in field operations
- **Ensuring the sustainability along the rice value chain** (*environmental, economical and social-* including **gender** aspects)



# Concluding remarks

## How JICA and other partners can support operationalization of F-SAMA

- Formulation and **implementation** of national sustainable mechanization strategies
- Establishing **collaboration** with the Japanese agricultural/rice machinery manufacturers for **continued joint work on mechanization** programs for Africa
  - Enhancing **private sector involvement**
  - Fostering further **South-South Cooperation**
  - Supporting **capacity building and training**
  - Supporting **regional efforts on sustainable mechanization**

The SAMA Framework is available at

<http://www.fao.org/3/CA1136EN/ca1136en.pdf> and [www.fao.org/3/ca1136fr/ca1136fr.pdf](http://www.fao.org/3/ca1136fr/ca1136fr.pdf)

