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Proposing actions for the operationalization of the F-SAMA

AUC, ACT, FAO Webinar; 17th November 2020

<https://www.africamechanize.org/>



Action for SAMA – *at country level*

The Regional SAMA Framework should be facilitated to be implemented at national level.

It is key to:

- Formulate new or review and update existing national agricultural mechanization strategies (AMS) to be in line with SAMA
- Review training needs especially for small scale mechanization hire services provisions
- Allocate financial resources to mechanization and seek support as necessary (including from FAO, AUC, ACT etc.)
- Engage with resource partners to develop special programs and implement SAMA activities
- Closely monitoring actions at country level is essential



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Program for Sustainable Agricultural Mechanization for Africa (P- SAMA) - *at continental level*

Impact

- To contribute to reducing hunger and enhancing income of farmers, agro-entrepreneurs and other stakeholders along the food value chain, in particular for women and youth

Development Objective

- The main goal of P-SAMA is to improve access and uptake of sustainable mechanization technologies and innovations along the value chain for enhanced agricultural productivity among small and medium scale farmers.





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Program for Sustainable Agricultural Mechanization for Africa (P- SAMA)

Specific Objectives

1. Develop **evidence-based mechanization policies, strategies and investment programs that create an enabling environment**
2. **Develop the capacity** of the sustainable mechanization stakeholders through notably the use of digital training materials.
3. **Promote innovations** for sustainable agricultural practices and **leverage ICT and digitalization to accelerate access and use of mechanization services**
4. Promote different **business models and access to increased investments** in sustainable agricultural mechanization and **job creation** (especially for the youth)
5. Create **regional entities** to foster collaborations, **partnerships and synergies** for enhanced standards, trade and use of sustainable mechanization technologies and innovations.
6. Elaborate regional concept for agricultural machinery **quality standards and operator safety.**

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Program for Sustainable Agricultural Mechanization for Africa (P- SAMA)

Partners

1. FAO along with African Union Commission (AUC) and the African Conservation Tillage Network (ACT) will be the main implementing partners
2. Research partners from CGIAR, in particular CIMMYT and AFRICARICE and national research organizations
3. Private sector agricultural machinery industry at all levels from large scale suppliers to front line dealers and retailers
4. Other development partners including from the private sector are invited to support the initiative

*P-SAMA will be closely linked to FAO's **Hand in Hand Initiative (HIH)** –and will focus on the newly developed **Global Programme on Sustainable Dryland Agriculture**.*



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Beneficiaries

- I. Smallholder and medium scale farmers including women and youth
- II. The private sector including small scale mechanization service providers along the food value chains, small and medium entrepreneurs (SMEs), manufacturers and/or suppliers of mechanization technologies and
- III. Government Departments.

Process

Countries should conduct a **baseline / diagnostic surveys** on the socio-economic scenarios to determine the existing situation and the avenues for **mechanization related businesses** such as:

- Market oriented farming (for crops and products in demand),
- Mechanization hire services and related business models including ICT based businesses
- Post-harvest, processing and transport related business models and related ICT
- Wholesale equipment dealers and spare parts supply chain networks

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Program for Sustainable Agricultural Mechanization for Africa (P- SAMA)

Initially participating countries

- 10 countries from **Anglophone** Africa
- 7 countries from **Francophone** Africa

Proposed budget and duration *(funding not yet solicited)*

- Initially USD 5 million per participating country
- P-SAMA should have a life time of six years in order to achieve the envisaged impact

Program Target

- **All participating countries** have reviewed and aligned their national mechanization policies and strategies with the SAMA Framework
- Numbers of **SME operating in mechanization services along the value chain** substantially increased
- **Networking/centre for operationalization and monitoring of SAMA** significantly enhanced/created



Next Steps

- SAMA Webinar series to continue with specific topics and a wide range of presenters from both public and private sectors
- AM Policy/Strategy reviews in the pipeline in **Mali, Sierra Leone, Tanzania**
- **Ethiopia:** CIMMYT and Ministry of Agriculture to host: The Fourth Agricultural Mechanization Forum on: *Research, extension systems, and standardized testing for certification of agricultural machinery*
- **AFDB** supporting **No-till/Conservation Agriculture** initiatives in Uganda, Ghana, Guinea and Sierra Leone
- **ACT:** To execute online training for mechanization service providers in **Kenya, Uganda, Tanzania**
- In **2021:** FAO and CIMMYT to develop **E-Learning courses for mechanization hire services**
- **Consulting potential partners to support the initiative**
- **Planned: Nov. 2021: Launch of the P-SAMA**





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<http://www.fao.org/sustainable-agricultural-mechanization/>

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