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The Sustainable Agricultural Mechanization Knowledge Management, Information Sharing and Networking Platform

Virtual Webinar Series

Operationalization of the Framework for Sustainable Agricultural Mechanization in Africa (F-SAMA)

Presented by
Eng. Saidi Mkomwa (ACT Network)
15th December 2020

About The Africa-Mechanize Platform

- Africa-Mechanize is a Sustainable Agricultural Mechanization (SAM) platform aiming to enhance Knowledge Management, Information sharing, Networking & Partnerships in Africa.
- The platform has been developed under the AU F-SAMA initiative with FAO providing technical support and ACT providing secretariat functions.
- It is focused on contributing to the operationalization of all elements of F-SAMA given the cross-cutting nature of knowledge management.
- An all inclusive, not-for profit neutral platform addressing the SAM and developmental interests of all AU Member States with support of the national governments, development partners and private sector.

The natural first reference point of choice on SAM in Africa

Genesis of The Africa-Mechanize Platform



Consensus on need for formation of a **virtual SAM knowledge exchange platform**. ACT was asked to initiate.



Organized by:

FAO, WB, AGRA, ACT, UNIDO, CEMA, Agrivolution, FEDER UNACOMA, AfricaRice, LKDF & AU

Proposed Africa-Mechanization Platform Components

English Français Português

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MAGAZINE & JOURNAL



KNOWLEDGE HUB



CAPACITY BUILDING,
PARTNERSHIPS &
NETWORKING



TECHNICAL ASSISTANCE

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The Proposed Components of the Africa-Mechanize Platform

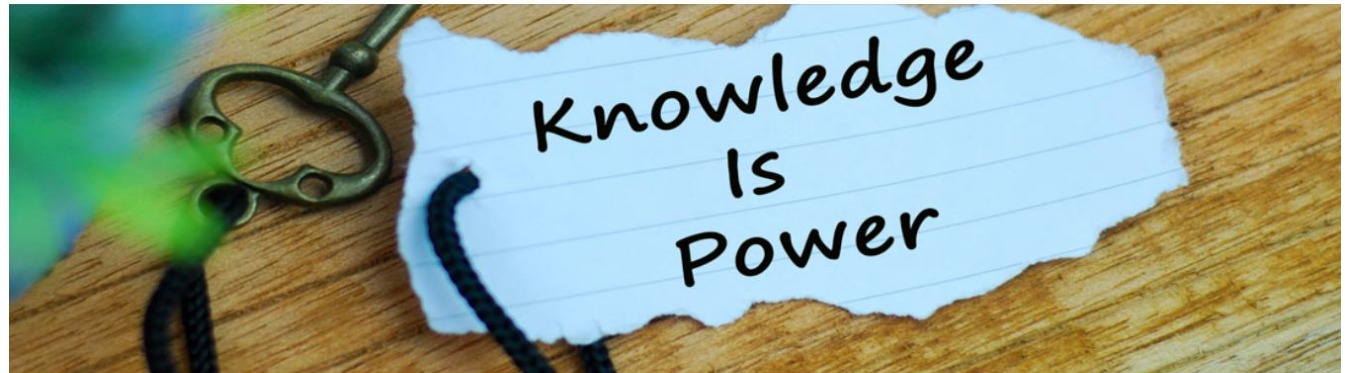
- 1 Knowledge Hub
- 2 Capacity building, Partnerships & Networking
- 3 Magazine & Journal
- 4 Technical Assistance

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Knowledge Hub [Proposed]

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Sustainable Agriculture E-Resources

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Contribute Knowledge

To make a contribution to the knowledge base

[→ Click Here](#)

Share an Event

Do you have an upcoming event ?

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The fully developed Knowledge Hub of Africa-Mechanize should provide at no-cost and instantly information.

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Features of the Knowledge Hub

- ◆ **E-resources** – central electronic repository of information on SAM from AU member states & other stakeholders
- ◆ **Contribute to Knowledge** – provides an avenue to share and upload content to the knowledge hub. The material shared would be reviewed and once validated by technical teams prior to publishing.
- ◆ **Newsroom & Events** - provision of updates on SAM. It allows SAM partners to share and publicize their events on the knowledge hub.

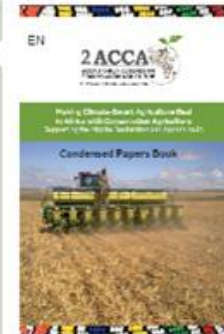
Sustainable Agriculture E- Resources

Resources
(79)

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1 2 3 4
MAIN TOPIC: Conserva
CATEGORY: Books and
Making Climate-
Agriculture Supp
DOI: n.a. ISBN: n.a.

ABSTRACT:
With huge agricultural tr
development impact and
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entry point in identifying
various farming operatic

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MAIN TOPIC: Conserva
Celebrating 20 Y
DOI: n.a. ISBN: n.a.
ABSTRACT:

Capacity Building

Partnership, Networking and Linkages

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Capacity Building

E-Learning, Centres of Excellence & the Training
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To promote innovative and sustainable
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The Capacity Development Thrusts

- **E-learning** – for continuous learning to students, farmers, service providers, extension staff and other stakeholders **in partnership with learning institutions**. Offers short courses on SAM subject areas.
- **Centres of Excellence (CoE)** – to provide national level training facilities and a hub for coordinated implementation of SAM strategies. CoEs thrusts: *Training, Outreach, Research and Linkages*. In partnership with a network of **Best Practising Organizations (BPOs)**.
- **Mechanization Service Provider Coops/Associations** – for Quality Assurance and Support.
- **Training Toolbox** – Contains Curriculum guides, Service provider & extension manuals and other SAM tailored solutions in common use at the Centres of Excellence and by Best Practising Organizations to support capacity building.

Partnership and Networking

Features:

Networking – avenue to be part of the SAM action at both Individual and Institutional levels:

Engagement through stakeholders

Communities of Practice – e.g. mechanized service providers, manufacturers, research & academia, farmer organizations, youth and women in Agriculture.

E-Forum & Webinars – provides interactive discussions and exchange of knowledge, perspectives, experiences and lessons learnt in the past and currently helping to create advancement of SAM.

Knowledge sharing events and study tours for SAM stakeholders.



F-SAMA Webinar Series

Webinar objective:

- Directors and Heads of Agricultural Mechanization Services
- Farmer Organizations, Private Sector and NGOs in SSA

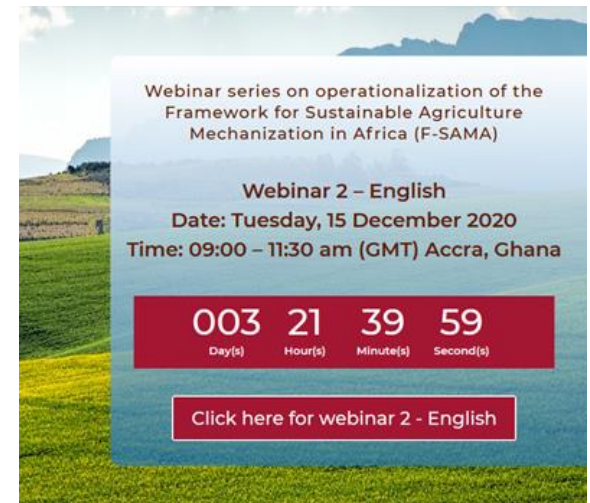
to **create a participatory environment for establishment of a regional implementation mechanism** of F-SAMA and **development of an inclusive network** for SAM knowledge and information exchange through AfricaMechanize platform.

Webinar series 2020/2021 organized by:

- African Union Commission – Under the Commissioner for Rural Economy and Agriculture (AUC)
- Food and Agriculture Organization of the United Nations (FAO)
- African Conservation Tillage Network (ACT)

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Webinar series on operationalization of the Framework for Sustainable Agriculture Mechanization in Africa (F-SAMA)

Webinar 2 – English
Date: Tuesday, 15 December 2020
Time: 09:00 – 11:30 am (GMT) Accra, Ghana

003 21 39 59
Day(s) Hour(s) Minute(s) Second(s)

[Click here for webinar 2 - English](#)

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Magazine & Journal

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Why the Africa-Mechanize Magazine and Journal?

- Inform stakeholders on current trends and innovations within the industry.
- Encourage networking among different players - farmers (women & youth), policy makers, dealers, manufacturers, and mechanization service providers.
- Offer opportunities for collaboration and partnerships.
- Provide updates on policies and strategies being adopted at national and regional level towards realization of the F-SAMA

Africa-Mechanize Magazine and Journal

- Another African sharing platform for SAM University research works.
- Quarterly magazine with focus on SAM.
- Published in both print and digital media.
- It will be in English and French.
- The magazine is set to be launched in 2021-Q1.



Africa-Mechanize Magazine and Journal

The Magazine will be distributed **free of charge** in both print and digital formats. Secretariat is seeking for partnerships and support in various areas:

- i. Production and distribution of the magazine.
- ii. Documentation and article contribution based on the SAM thematic areas.
- iii. SAM regional internship programme coordinated by the network.

Africa-Mechanize Magazine will have an Editorial Committee composed of Editor In Chief, Editors, Sub-editors and a Communication Specialist.

The Editorial committee is responsible for synthesis of submitted articles to generate journalistic articles for the wider circulation.

Technical Assistance

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Technical Assistance

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Panel of Experts

Take advantage of the vast experience available

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Aims to harness African and external expertise for strengthening institutional, organizational and technical capacities of stakeholders on SAM

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Technical Assistance

Unique features:

- ◆ Platform for **continued** and **sustained technical backstopping** and information sharing for All.
- ◆ **Panel of Experts** - The International Sustainable Agricultural Mechanization Advisory Panel for Africa (iSAMAP-Africa). Advisory and technical support at both national and regional levels through network of technical experts delivering customized SAM strategies and solutions for the SAM agenda.
- ◆ **Expressions of interest** – Offers an opportunity for institutions to request for technical assistance in the realization and integration of various elements of the F-SAMA.

Technical Assistance

M&E and Impact Documentation & Dash board

English Français Português



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 - Algeria
 - Angola
- B
 - Benin
 - Botswana
 - Burkina Faso
 - Burundi
- C
 - Cabo Verde
 - Cameroon
 - Central African Republic
 - Chad
 - Comoros
 - Congo
 - Cote d'Ivoire
- D
 - Djibouti
- E
 - Egypt
- G
 - Gabon
 - Gambia
 - Ghana
 - Guinea
 - Guinea-Bissau
- K
 - Kenya
- L
 - Lesotho
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 - Libya
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 - Madagascar
 - Malawi
 - Mali
 - Mauritania
 - Mauritius
 - Morocco
 - Mozambique



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Kenya



Official Name: Republic of Kenya
Region: Eastern Africa
Official Languages: English and Swahili

569,140 Land Area (Sq. km)	276,300 Agriculture Area (Sq. km)	44,4 Forest Area
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Ongoing Projects

- 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 agricultural mechanization
- Sustainable mechanization across agrofood value chains
- Innovative systems for sustainable technology development and transfer
- Sustainable transformation of land preparation and cropland husbandry practices
- Socio-economic sustainability and the roles of:
 - Smallholder farmers and their organizations;
 - Women and agricultural mechanization;
 - Youth and agricultural mechanization
- Human resources development and capacity building for SAMAA
- Need for a long-term vision: policy and strategy issues
- Creating sustainable institutions for regional cooperation and networking

Mechanization Strategies & Policy Documents



Sustainable Agricultural Mechanization A Framework
The framework suggests a program-based approach to sustainable mechanization in Africa with each country developing its own strategy based on its own needs and using the ten elements discussed earlier as a guide. Actions would then be embedded in national or sub-regional strategies.
Program Actions proposed:
1. Develop national Sustainable Agricultural Mechanization Strategy
2. Develop public-private partnerships
3. Increase national and regional cooperation and partnerships among agriculture and engineering
4. Advocate for Sustainable Agriculture Mechanization
PDF | Sustainable Agricultural Mechanization A Framework for Africa

Upcoming F-SAMA Webinars & Announcements

Join us in the upcoming webinars which are scheduled on:

Details	Topic in brief	Target participants	Timing
1 st Webinar	Introducing F-SAMA including the Africa-Mechanize platform	HAMES/DAMES (<i>English</i>)	17 th November 2020 ✓
		HAMES/DAMES (<i>French</i>)	25 th November 2020 ✓
2 nd Webinar	Introducing F-SAMA including the Africa-Mechanize platform	Farmer Org & Private Sector, NGOs (<i>English</i>)	Mid December 2020
		Farmer Org & Private Sector, NGO (<i>French</i>)	Mid December 2020
3 rd Webinar	The impact of paradigm shifts on agricultural mechanization development in SSA	HAMES/DAMES & RECs (<i>English</i>)	Early February 2021
		HAMES/DAMES & RECs (<i>French</i>)	Early February 2021
4 th Webinar	Popular & demanded topics	HAMES/DAMES and other stakeholders (<i>English</i>)	End of March 2021
		HAMES/DAMES and other stakeholders (<i>French</i>)	End of March 2021
5 th Webinar	Popular & demanded topics	HAMES/DAMES and other stakeholders (<i>English</i>)	Mid May 2021
		HAMES/DAMES and other stakeholders (<i>French</i>)	Mid May 2021

The Call to Action to Farmer Organizations, NGOs and the Private Sector

- The journey to realize SAM in Africa requires **all categories of stakeholders** as clearly outlined in the 10 elements of the F-SAMA.
- **We welcome all to share their views and experiences** in this participatory platform on how Africa should jointly create the enabling environment for farmer organizations, NGOs and the private sector thus strengthening the successful roll-out of the F-SAMA at country and regional level.
- **We look forward to continued interactions in 2021 and beyond** as we all partner for environmental, commercial and socio- economical sustainability.

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I thank you for listening

www.africamechanize.org

Email: secretariat@africamechanize.org

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