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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)
17th November 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

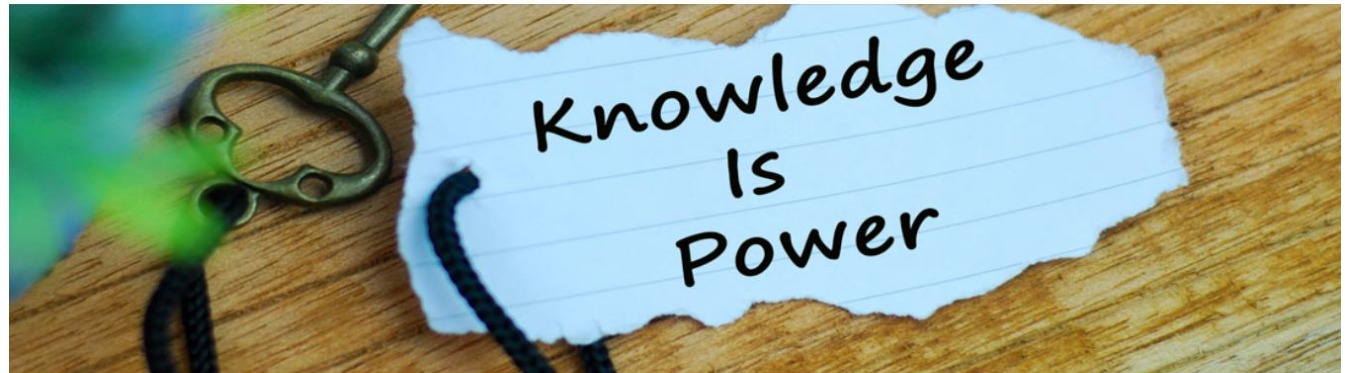
- 1 Knowledge Hub
- 2 Capacity building, Partnerships & Networking
- 3 Magazine & Journal
- 4 Technical Assistance

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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?

[→ Click Here](#)

The fully developed Knowledge Hub of Africa-Mechanize should provide at no-cost and instantly, SAM:

- Information updates & events
- Ability to sharing also via social media
- eLibrary
- Statistics
- Question and Answer

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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.

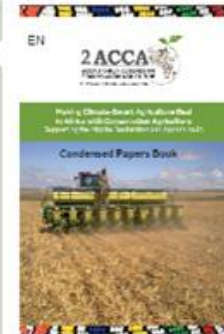
Sustainable Agriculture E-Resources

Resources (79)

Search here ...

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- Case Study (4)
- Reports (2)
- Brochure (3)
- Presentations (44)
- Technical Papers (0)
- Newsletters (0)
- Articles (0)
- Policy Briefs (0)
- Bulletins (0)
- Posters (0)
- Video (3)



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
farmers (small, medium
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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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 in SSA to create a participatory environment for the establishment of a regional implementation mechanism of F-SAMA and development of an inclusive network for SAM knowledge and information exchange through Africa-Mechanize platform.

Webinar series 2020/2021 is 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)

The screenshot shows the Africa-Mechanize website interface for webinar registration. The header includes the logo 'africa|mechanize' and the tagline 'ALL ABOUT SUSTAINABLE AGRICULTURAL MECHANIZATION IN AFRICA'. The main content area is divided into two sections: English and French. The English section is titled 'Webinar 1 - English' and lists the date as Tuesday, 17 November 2020, and the time as 09:00 - 11:20 am (GMT) Accra, Ghana. It features a countdown timer showing 9 Days, 23 Hours, 36 Minutes, and 31 Seconds, and a 'Register-English' button. The French section is titled 'Webinaire 1 - Français' and lists the date as mercredi 25 novembre 2020, and the time as 09h00 - 11h20 (GMT) Accra, Ghana. It features a similar countdown timer showing 17 Days, 23 Hours, 36 Minutes, and 31 Seconds, and a 'Register-French' button. Both sections include a 'Click here to Download' link and a thumbnail image of the webinar cover, which features a map of Africa and the text 'SUSTAINABLE AGRICULTURAL MECHANIZATION' and 'LA MECANISATION AGRICOLE DURABLE'.

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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

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Countries



BobarinoAfrican continent-fr.svg: Eric Gaba (Sting – Sting), CC BY-SA 2.5, via Wikimedia Commons

- A
 - 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-Biss
- K
 - Kenya
- L
 - Lesotho
 - Liberia
 - Libya
- M
 - Madagascar
 - Malawi
 - Mali
 - Mauritania
 - Mauritius
 - Morocco
 - Mozambique
- N
 - Niger

Kenya



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

569,140
Land Area (Sq. km)

276,300
Agriculture Area (Sq. km)

44,4
Forest Area

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 in
- Sustainable mechanization across agrifood value chains
- Innovative systems for sustainable technology development and transfer
- Sustainable transformation of land preparation and crop/livestock 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 and using the ten elements discussed earlier as a guide. Actions would then be embedded in national or subregional 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

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

Calling upon the Heads and Directors of Mechanization to contribute and guide how the Africa-Mechanize networking platform evolves and supports their programmes

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

I thank you for listening

www.africamechanize.org

Email: secretariat@africamechanize.org

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