



**Botswana 3rd Biennial Review (BR) Performance Report
Feedback & Knowledge Management Stakeholder
Sensitization Workshop. Grand Aria Hotel, Gaborone,
Botswana**

Knowledge Management In the SADC Region

22nd September 2022

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CAADP



Presentation Overview

- What is Knowledge Management
- Role of ICKM strategy in strategic documents
- KM activities in CCARDESA
- KM systems
- Challenges



CCARDESA

Centre for Coordination of Agricultural Research and Development for Southern Africa

Background



- CCARDESA – established in 2010 by SADC Member states to coordinate agriculture research and development (AR&D)

Roles of CCARDESA

Coordinate
implementation of
regional
Agricultural R&D
programmes

Facilitate
collaboration
among NARs &
CGIAR

Promote
public-private
partnerships in
regional agricultural
R&D

Improve
Agricultural
technology
generation,
dissemination, and
adoption in the region
through collective
efforts, training and
capacity building

Vision | **Sustainable agricultural growth and socio-economic development in the SADC.”**

Mission | **To set the regional research and development agenda, mobilise resources, support capacity development, foster collaboration and provide agricultural information and knowledge in the SADC”.**

Roles of CCARDESA

- **Empower** and strengthen farmers and their organisations or groups
- **Facilitate** development of sustainable education, training and learning systems
- **Promote** co-operation, consultation and exchange of scientific and technical information on best practices in agricultural research

Thematic Areas

- i) Agricultural productivity and food and nutrition security;
- ii) Resilience to emerging agricultural risks: environmental, climate change and transboundary diseases and pests;
- iii) Commercialisation of the agricultural sector and market access;
- iv) Women, youth and social inclusion;
- v) Knowledge and information management, communication and policy support; and
- vi) Capacity strengthening of CCARDESA and AR4D institutions.

Peter Drucker:

Father of modern management



“Neither land nor work, neither capital nor machines create an advantage in a business. What makes the successful difference and what also represents the decisive differentiating feature is the **ability to use knowledge** of all kinds from scientific or technical knowledge to social, economic and business knowledge. It is only thanks to its knowledge that a company differs from the others, if it can produce a product or a service that generates value in the market. ”

Source: Drucker (Managing for Results, 1964), p. 5

CCARDESA's ICKM Mandate

Building and operating a regional Information Communication and Knowledge Management (ICKM) System which strengthens capacity to manage and facilitate access to, and broker the sharing of agricultural information.



Why knowledge sharing matters



What is Knowledge Management

Knowledge Management is

- a targeted, integrated, and systematic approach
- to identifying, acquiring, creating, sharing, applying, and capturing knowledge,
- relevant to achieving the specific objectives of the organization.



Explicit & Tacit Knowledge



WHY KM?

- The organisation, processes and strategy for the sharing of information with stakeholders.
- Many organisations (including governments) now actively integrating ICKM into daily processes adding structure to way they communicate and share information.



Repositioning - Akosombo Agenda

The Akosombo Integration Agenda is about integration of

1

Knowledge Management Approaches:
Targeted, systematic, integrated, ecosystem approach

2

KM Tools:
starting with DSpace, DGroups, Knowledge Graph, DKAN, Drupal

3

Knowledge Resource: from data to knowledge products/services: guiding principles, formats, quality, standards

4

KM Processes:
Capturing, Transforming, Sharing, and others

5

Communities of Practice:
Collaboration, Co-creation, Innovation in thematic areas

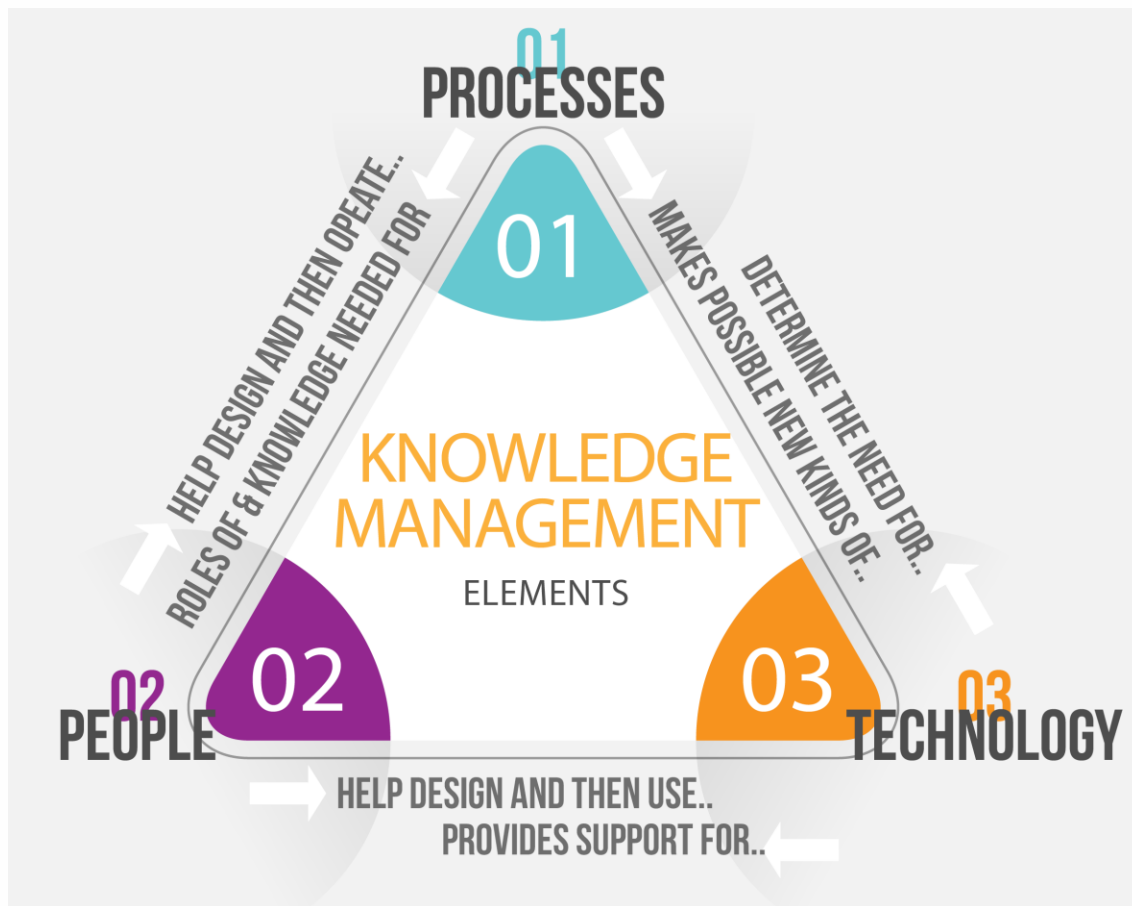
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KM Capacity Development:
Training Courses, competency frameworks, KM Community; mutual support; complementary strengths

7

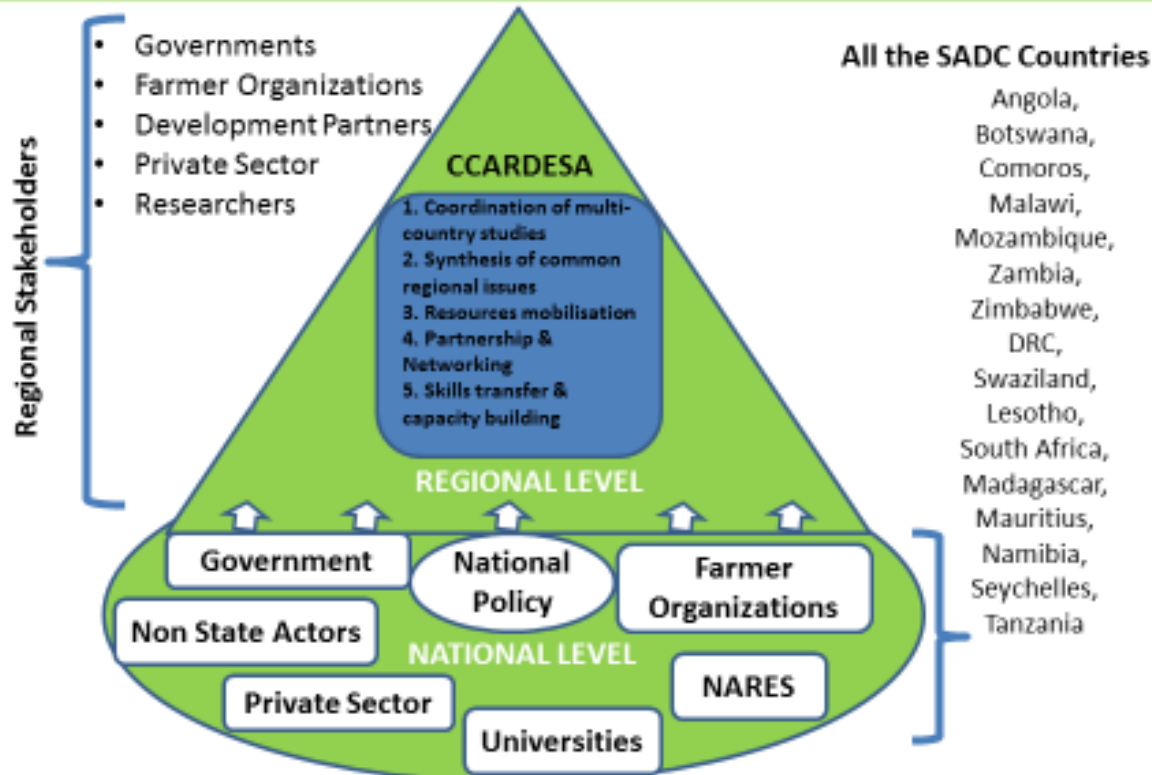
Knowledge Ecosystems for AR4D:

CCARDESA KM Approach!



Stakeholders

CCARDESA ENGAGEMENT WITH PARTNERS AND STAKEHOLDERS

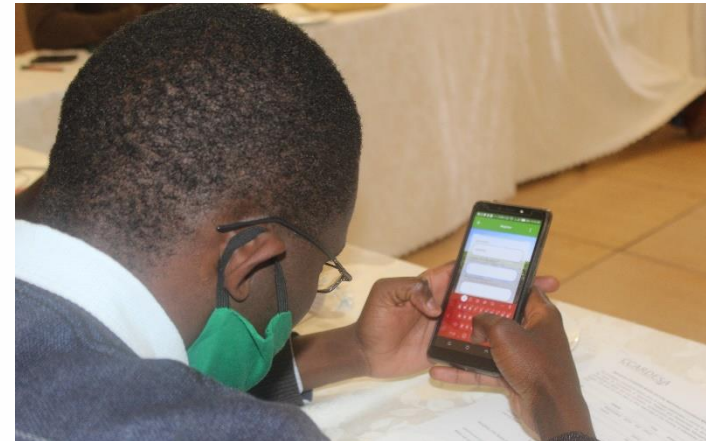




National Focal Point Persons

- Nominated by Ministries
- 1 x Agricultural Research / 1 x Agricultural Extension
- NFPs from 11 Countries participate in Community of Practice Workshop... so far!

Community of Practice



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CCARDESA Focal Point Persons

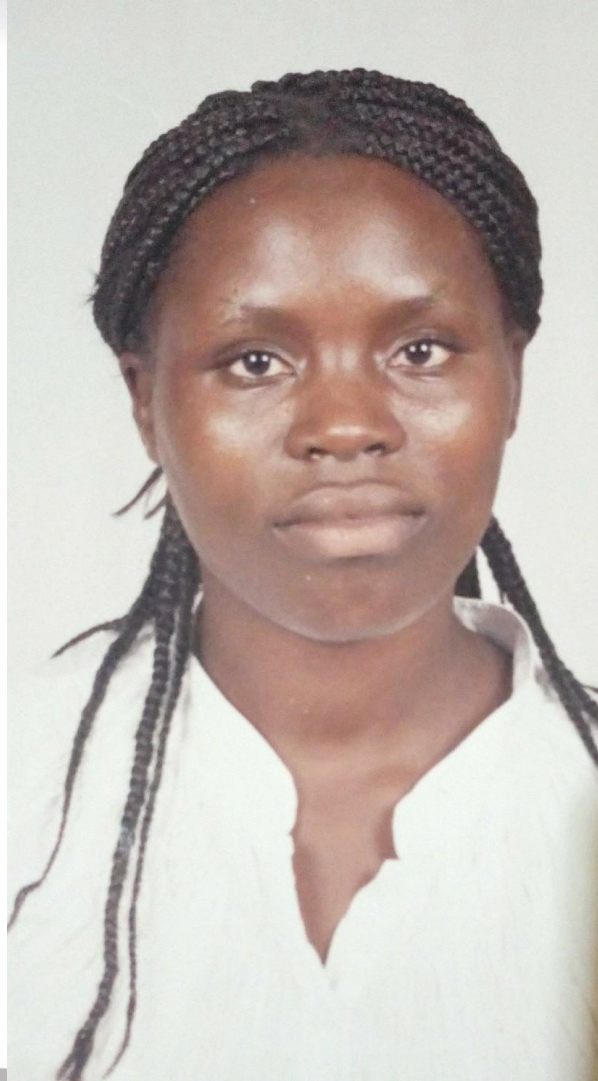
Mrs Lorato B. Kgakatsi



Mrs Keneilwe Bungile



Community of Practice (Media)



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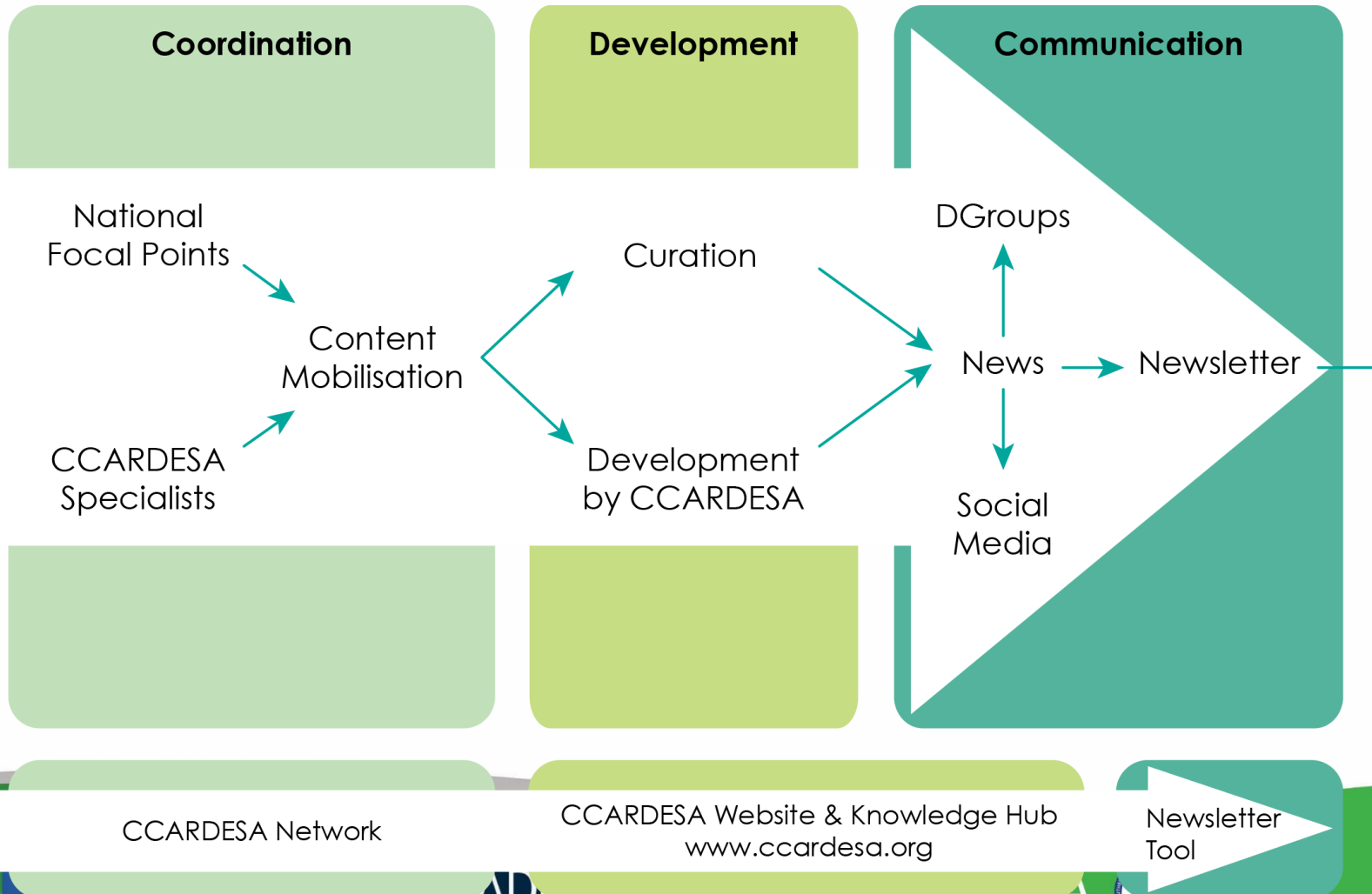


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CCARDESA's ICKM System Structure



The 4 C Model of the CCARDESA ICKM Strategy



Coordination



Content



Curation



Communication

A well informed SADC Region

CCARDESA KM Strategic Actions

1. Facilitate Access to Audience-Specific Agricultural Knowledge and Information through CCARDESA ICKM & SAAIKS
 - i. Strengthen and Maintain SAAIKS, ICKM system and Associated Infrastructure
 - ii. Knowledge Translation into Interactive/audio/Visual Knowledge products
2. Create Linkages to Knowledge Management Hubs to foster Collaboration & Information Sharing Among Stakeholders
 - i. Facilitate the interoperability of systems
 - ii. Strengthen e-learning solutions and knowledge exchange and partnerships
 - iii. Optimise Media Engagements, Malabo Advocacy & Knowledge Brokerage Foras.
3. Strengthen Capacity of NARES in Information Packaging and Use of Digital Innovations and ICT to Transform Agriculture
4. Monitoring & Evaluation of ICKM performance



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KM4AgD Participants



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CCARDESA Participants to the 2021 KM4AgD Challenge





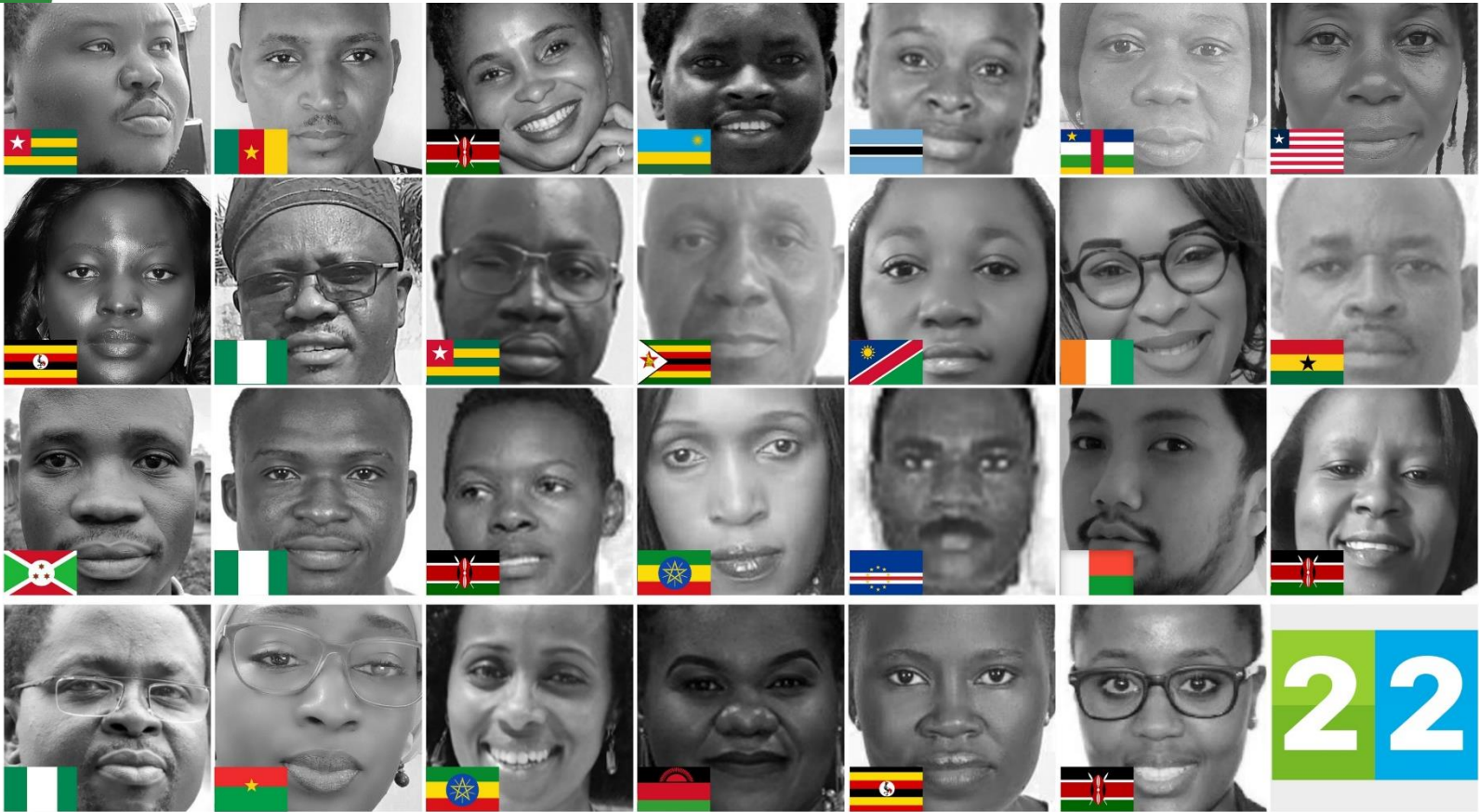
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CAADP XP4

Knowledge Management for Agricultural

KM4AD



Certified Knowledge Manager



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Certification




KM4AgD Challenge Participants 2022



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8 KM Strategies Developed


FARA CCARDESA KM4AgD



National Knowledge Management
Policy Brief for
Eswatini
Enhancing Knowledge Management
for Agricultural Development in Eswatini


Author: Mr Bongani Mvubu
Reviewed By: Prof. Andreas Brandner, Mr Benjamin Abugri & Ms Bridget Kakuwa

February 2022




IFAD CAADP XP4 This initiative was supported by the CAADP-XP4 Programme FARA CCARDESA SASARECA KADP

FARA KM4AgD



Ministry of agricultural Development & Food Security
Knowledge Management Strategy




Developed within the framework of
the **KM4AgD** Agenda

Reviewed by: Benjamin Abugri, Bridget Kakuwa & Andreas Brandner
Author: Lorato Bailang

April, 2022

CCARDESA Knowledge Products



KP01
Knowledge Product 01




POLICY BRIEF:
How to Support Climate Smart Decision Making – Best Bet Options for the SADC Region

**CLIMATE SMART AGRICULTURE
KNOWLEDGE PRODUCTS FOR EXTENSION WORKERS**
Customised Information for Agricultural Extension and Research Professionals

Audience: Directors of Research, Directors of Extension, Heads of National Agricultural Research and Extension Systems and National Level Extension Staff

giz Deutsche Gesellschaft für Internationale Zusammenarbeit
Kunming Road 100, 10115 Berlin, Germany
giz@giz.de





KP03
Knowledge Product 03



OPTIONS PAPER:
Best Bet Climate Smart Agriculture Options for Sorghum in SADC

**CLIMATE SMART AGRICULTURE
KNOWLEDGE PRODUCTS FOR EXTENSION WORKERS**
Customised Information Tool for Agricultural Professionals

Audience: Local Extension Staff

giz Deutsche Gesellschaft für Internationale Zusammenarbeit
Kunming Road 100, 10115 Berlin, Germany
giz@giz.de



Mobile App Sensitization Training



Mobile App Sensitization Training



If **you** want to walk fast, **walk alone**. If **you** want to walk far, walk together. African **Proverb** .



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KM Partnerships with CAADP-XP4 CONSORTIUM

- CCARDESA is also working with CAADCP-XP4 institutions with funding from the European union through IFAD to jointly implement KM activities
- Support KM national strategies, develop joint Knowledge products, visibility materials and the famous KM4AgD Challenge
- Implement the interoperable systems according to the Akosombo agenda
- ISO standards for KM and IT to be compliant to international standards
- Working now with AUC on communication & Advocacy to support reporting of the Malabo reporting.

KM Partnership in CCARDESA

- SADC Secretariat's Food, Agriculture and Natural Resources (FANR) Directorate, CCARDESA the International Livestock Research Institute (ILRI) through the CGIAR Research Program on Climate Change, Agriculture and Food Security (CAAFS) and GIZ 'Adaptation to Climate Change in Rural Areas' programme (ACCRA), funded by the German Federal Ministry for Economic Cooperation and Development (BMZ)
- Developed a [SADC Futures Foresight eLearning](#) and knowledge sharing platform housed at both CCARDESA and CCAFS websites;
- The 6-module course is accessible to anyone on and upon completion one is certified in foresight for climate resilience;
- The terms of the partnership were for CCAFS to provide the technical expertise in Foresight for climate resilience whereas CCARDESA provided the KM platforms and expertise to host the course and participants;
- Over 500 people have been certified and practising foresight for climate resilience in their respective organisations;

Learning



 **SADC Futures**
Developing Foresight Capacity
for Climate Resilient
Agricultural Development

SADC Futures Training Series

SADC Futures Training Series

Many regions in Africa, the SADC (Southern African Development Community) region remain fundamentally dependent on a resilient agricultural system and natural resource base which is threatened by climate change. The SADC Futures project is a response to the dynamic and uncertain circumstances of the SADC region. The project has created tailored foresight training to equip users with the practical application of a range of foresight tools and methods for innovative strategic planning and adaptation for climate resilience. The suite of free, easy-to-access and engaging training materials includes an e-learning course and a toolkit, as well as a set of reports and recordings informed by a webinar. Over 150 participants saw about 150 participants over the summer of 2020. Image Source: <http://www.freepik.com>

Get Started Now

KM Partnership with GIZ

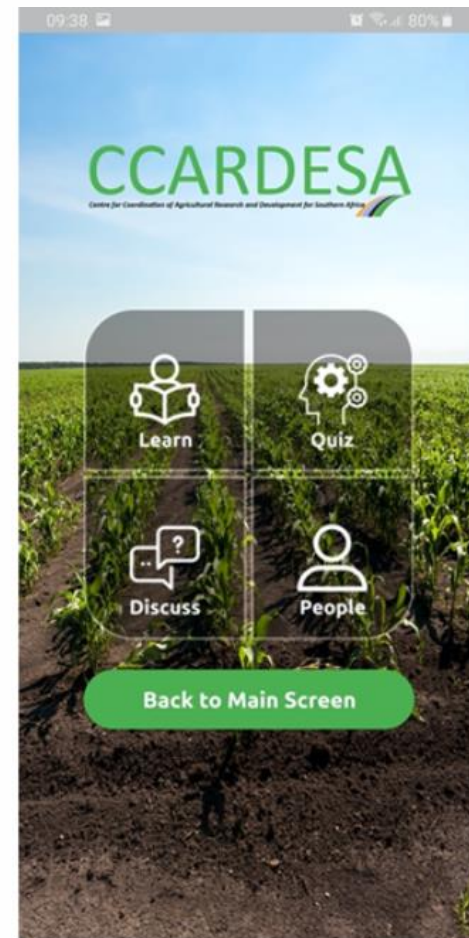


- In 2017 to 2020 CCARDESA partnered with GIZ to revamp its website at ccardesa.org and Southern African Information Knowledge System Hub knowledge hub;
- GIZ provided the technical expertise in KM and CCARDESA provided the KM hosting infrastructure and had the KM mandate in the SADC region
- By 2018, CCARDESA launched its knowledge hub which currently houses over 850 knowledge products available for researchers, academia, policy makers and private sector in the SADC region and beyond



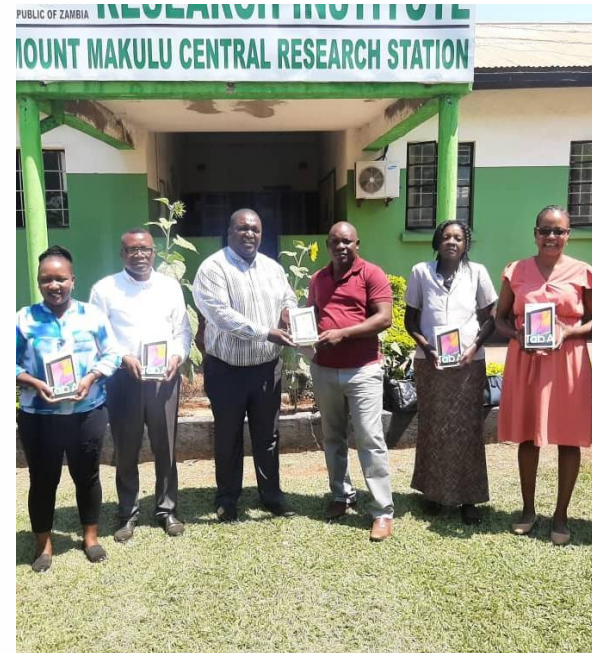
KM Partnership with GIZ

- In 2019, CCARDESA partnered with GIZ to develop a CCARDESA Climate Smart Agriculture (CSA) Mobile learning app specifically designated for extension.
- The mobile app is available on google store on the link below
<https://play.google.com/store/apps/details?id=com.ccardesa.ccardesa>
- Apple Store :
<https://play.google.com/store/apps/details?id=com.ccardesa.ccardesa>
- It houses over 67 technical briefs and provides information relevant to the needs of the farmers.
- The app also takes suggestions and feedback from the farmers and extension through its discussion forum



CCARDESA KM Support to MS

- In 2021, CCARDESA partnered with GIZ through its Minimizing effects of Covid19 in the SADC region by purchasing state of the art conferencing equipment for 6 Member states to facilitate virtual meetings during the pandemic
- The partnership also allowed for supporting extension in the 16 SADC member states with 100 tablets to allow for easy contact between farmers and extension.



KM Partnership with C-NRM Project

- CCARDESA has partnered with GIZ-CNRM project to strengthen CCARDESA funding portals to facilitate easy access to funding opportunities
- It has also partnered with Natural resources institutions in the region to facilitate the creation of a training institutions database in the SADC region
- Revamp the expert database following the parameters from CAADP-XP4 Consortium to allow for interoperability with other databases.
- This will also strengthen the capacity of media in Climate resource management and transboundary issues for better reporting and information dissemination in the region.

KM Partnership with ICI Growing Greener Project

- CCARDESA has partnered with Peace Park International and Conservation international to implement the ICI Growing Greener Project.
- CCARDESA will strengthen and promote knowledge sharing platforms and events
- Promote digital communication tools
- It will also enhance communities of practice

KM Partnership with IMC on Digitization study

- CCARDESA has partnered with IMC with support from World Bank on the digitization study which has led to the development of the CCARDESA Digital Agri Hub which shows all Innovation technologies in Africa.

KM Partnerships via MOUs

- CCARDESA has partnered with the Southern Africa Resource & Documentation and Centre (SARDC) through an MOU to support the strengthening of KM in CCARDESA.
- SARDC will support CCARDESA to document lessons learned, best practices and success stories.
- Finalised an MOU with Access Agriculture to support the development of audio visual knowledge products in various languages.
- The main purpose of this partnership is broaden the formats through which information and knowledge is shared with SADC stakeholders.
- To meet all the information needs of the various target audiences that CCARDESA has

Other KM Partnerships

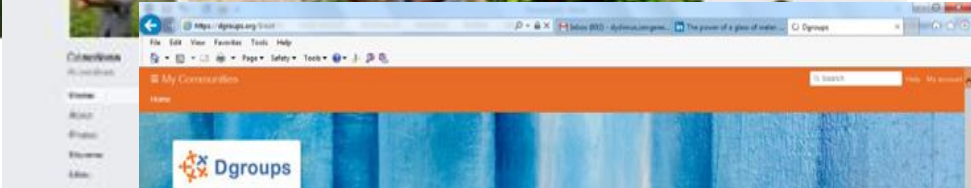
- CCARDESA with KM4 DEV to support the establishment of T Know in Tanzania
- CCARDESA is open for collaboration and partnership as it seeks to be a KM centre of excellence in the SADC region.
- CCARDESA is open for joint KM proposal writing to more KM funding



www.ccardesa.org



www.facebook.com/cccardesa



D-groups



SAAIKS <http://saiiks.net>

E-Learning

SADC Futures
Developing Foresight Capacity
for Climate Resilient
Agricultural Development

SADC Futures Training Series

SADC Futures Training Series

Like many regions in Africa, the SADC (Southern African Development Community) region remains fundamentally dependent on a resilient agricultural system and natural resource base which is increasingly threatened by climate change. The SADC Futures project is a response to the dynamic and uncertain circumstances of the SADC region. The project has created tailored foresight training to equip users in the practical application of a range of foresight tools and methods for innovative strategic planning and policy formulation for climate resilience. The suite of free, easy-to-access and engaging training materials includes an e-learning course and a toolkit, as well as a set of reports and recordings informed by a webinar series that saw about 150 participants over the summer of 2020. Image Source: <http://www.freepik.com>

[Get Started Now](#)

e-Learning Platform



Mobile App



Engaging with the CCARDESA ICKM System



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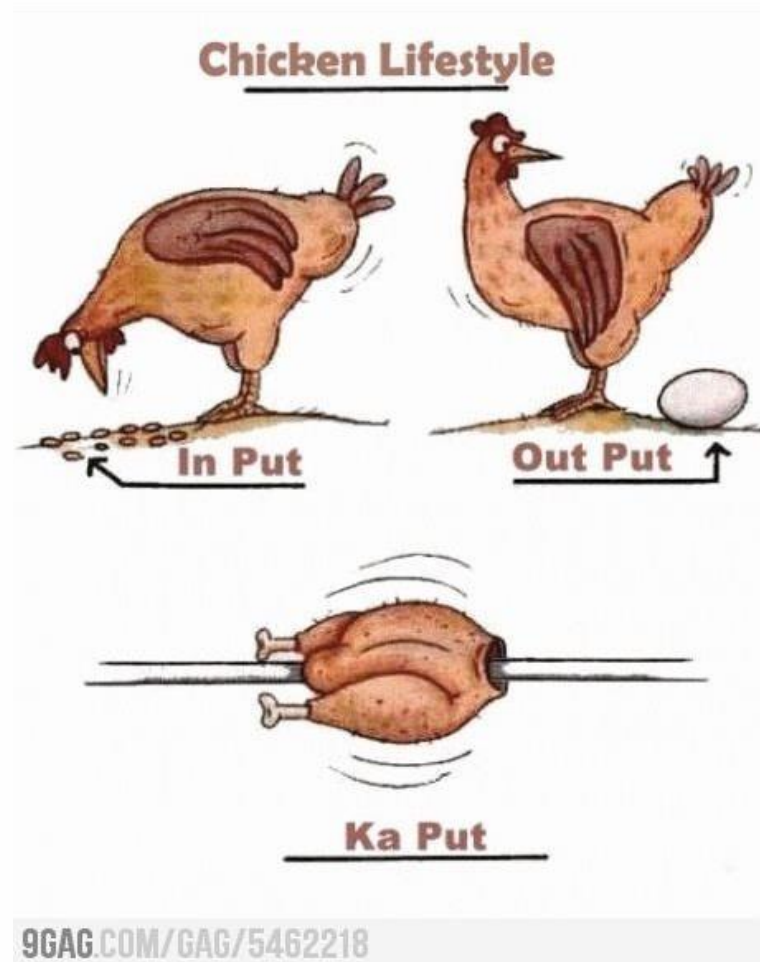
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Challenges

- Major challenge of coordinating transfer of knowledge across SADC Region
- Diverse languages in the region
- Non functional systems in Member states
- Fear to interoperability
- Member states researchers hoarding to information
- Budget limitation

Conclusion

- Strengthened knowledge management and communication systems for decision support, sharing innovation and advocacy lead to agricultural development & transformation.





THANK YOU

Realeboga



CAADP



Acknowledgements



Group Work

Please separate into two groups and brainstorm:

- How many knowledge products can you find on the ICKM regarding Botswana?
- How Botswana can engage with the CCARDESA ICKM System?
- Are there other organisations/groups that could benefit with engaging with the system in Botswana?
- What else would you like to see as part of the CCARDESA ICKM System?