

Knowledge management for Agricultural Development in Africa





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KM4AgD & Malabo Reporting Roll-out in Eswatini. Happy Valley Hotel, Ezulwini, Eswatini

Thursday April 18, 2024









Outline

- 1. Introduction
 - About FARA
 - Guiding principles of FARA's Strategy for KM
 - Summary of KM in FARA

2. FARA's KM Agenda for the Continent — Strengthening the Knowledge ecosystem

3. Concluding thoughts/Lessons













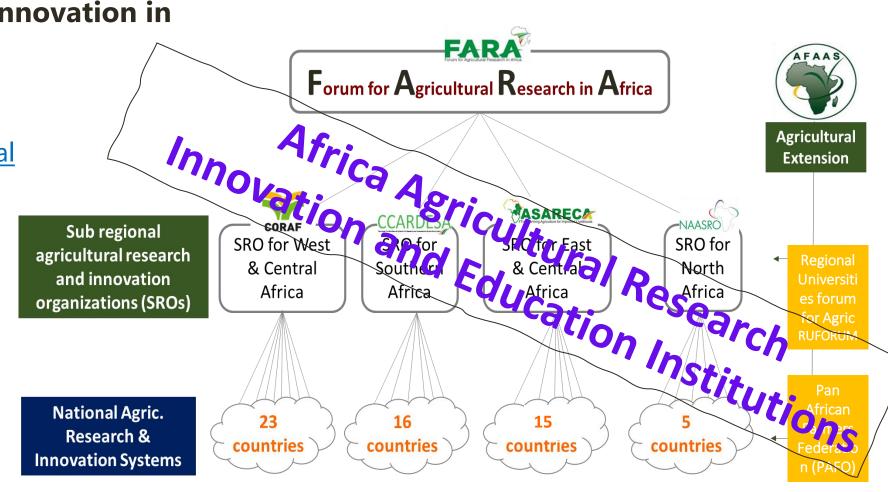
Forum for Agricultural Research in Africa

The apex <u>continental</u> organization for agricultural research and innovation in

Africa

Convenes and facilitates partnerships and joint <u>continental</u> actions among stakeholders in agricultural research and innovation in Africa





FARA Forum Online Reach



Over 14M

Reach directly and indirectly through partners

Blog Feedback products



Over 5M

OUR DIRECT REACH AROUND THE WORLD



Blog

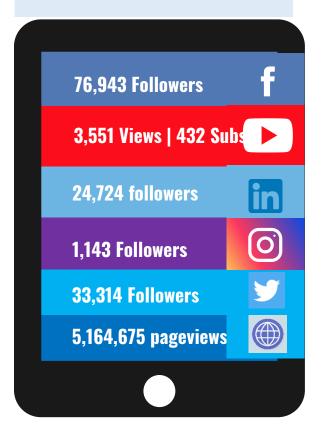
4M 20K/month CoP

40K 75% Africa Web

985K

55 Countries

SOCIAL MEDIA REACH



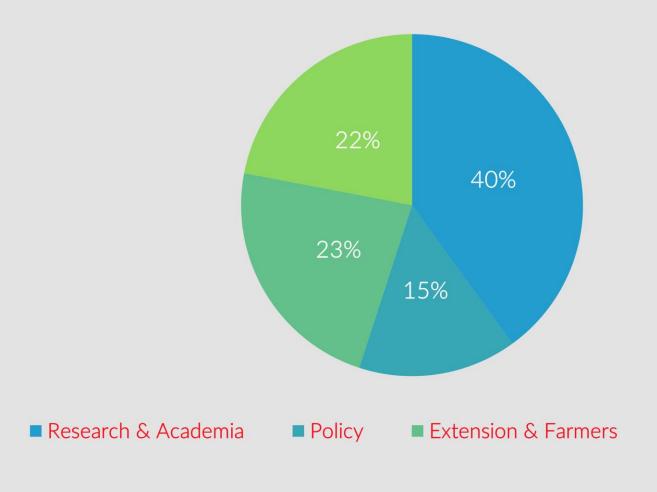








FARA Forum Stakeholders





Wisdom is like a baobab tree; no one individual can embrace it. — Ewe proverb Africa.com





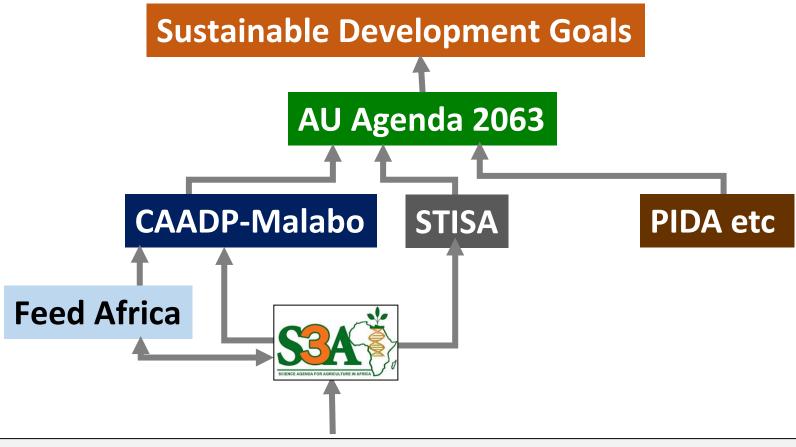


Private sector





Frameworks and targets - Priority setting



APPs, NARS progs, CGIAR & other IARC African Progs, FARA & SRO progs, AGRA, AATF, etc









Feedback - S3A Recommendations - 4

➤ A Robust Knowledge Management and Information Support System:

23 AUGUST 2017

- A veritable platform that could provide knowledge and information support to the S3A.
- It should be enhanced to regularly and systematically collate, process and share implementation strategies, programs and lessons.





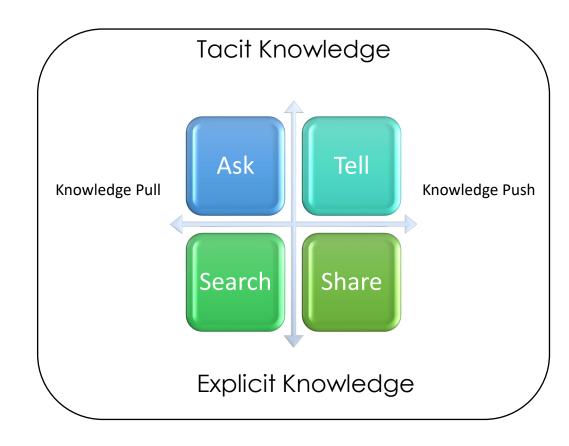






Knowledge Management

- KM is not only about collecting knowledge; it's about connecting people to that knowledge;
- Two forms of knowledge:
 - i. Explicit knowledge
 - ii. Tacit knowledge (minds experience)
- KM ensures that we can push (share) relevant knowledge and pull (find) needed knowledge.











Knowledge Management in FARA











Priority Setting

Strengthening the Knowledge Ecosystem

KM4AgD Agenda

The KM4AgD Agenda focuses on cultivating a robust knowledge ecosystem to empower African agricultural researchers and stakeholders.

Collaborative Approach

By fostering collaboration and engagement, the initiative aims to leverage collective expertise and accelerate knowledge-driven progress.

Empowering Stakeholders

The platform empowers agricultural stakeholders to actively participate in shaping the future of Africa's food systems.

Collaboration and Engagement

Dgroups

An online platform fostering vibrant discussions and knowledge exchange among agricultural stakeholders.

Partnerships

Strategic alliances with diverse organizations to amplify impact and drive collective progress.

AASW

The Africa Agriculture Science Week, a premier event that convenes researchers, policymakers, and practitioners.

Engagement

Proactive outreach and active participation in the agricultural knowledge ecosystem.

Partnerships

culture in Africa FARA Data Informs:

Advancing African
Agriculture through
Data-Driven Insights

The Observatory for Africa Agriculture (FARADataInformS) harnesses the power of data to drive innovation and sustainable development across the continent's agricultural landscape.





ricultural output, output is higher







The KM Team



Officer - Comms

KM Officer -

Data Scientist

Management, Creative

Designs, analytics &

General IT Support

Database design, Content





Cluster Leader

Expert in Knowledge
Management, Project &
Strategic Management, M&E,
Public Admin & Policy Mgt



Development, science Comms, Creative Designs, Video/Photo, Social Media



Developer

Web Designer,
Content management
Server Management



IT Specialist



Translator

Interns, Consultants, Sectorial KM Enthusiasts/Officers & ...

KM Officer - Info

Mgt/Library



Implementing Our Mandate

1. Observatory for Africa Agriculture - KM-Hub - 2017-2018



wwww.datainforms.faraafrica.org



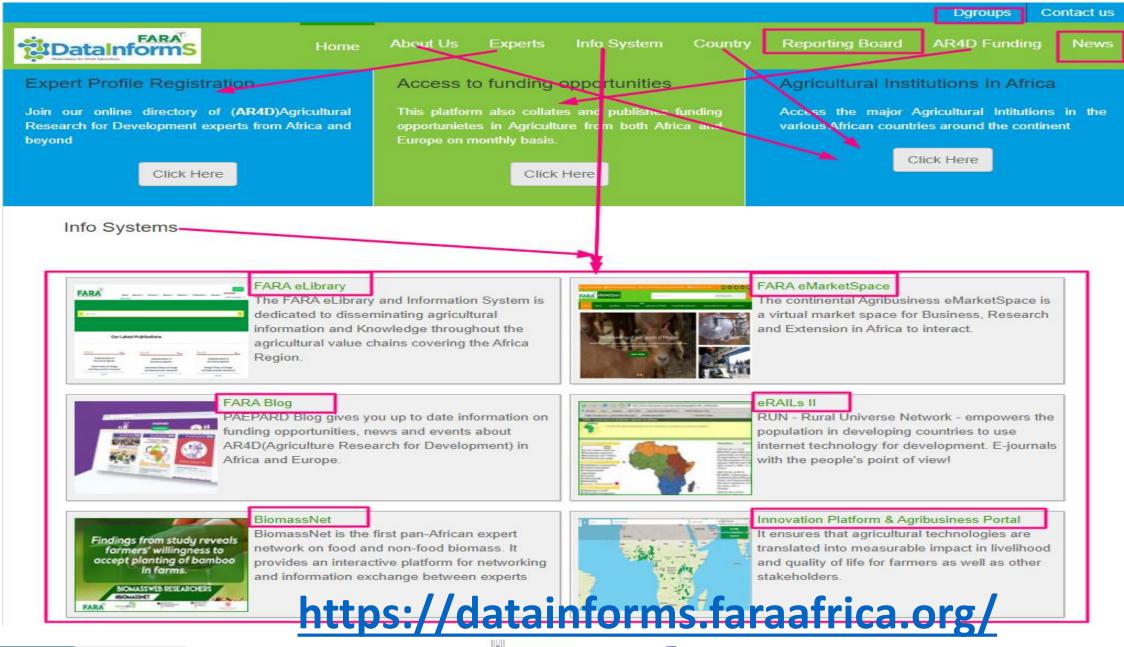
Linkage, Recommender System & Interoperability



















2. 2020 Repositioning – Akosombo Agenda











Continental KM4AgD Framework

Knowledge Leadership and Governance

Finding Acquiring

Creating Sharing

Using Capturing

KNOWLEDGE LIFECYCLE

Human **Assets**

skills, experiences,..

Structural Assets

databases, processes,...

Relational **Assets**

networks, CoPs,...

KNOWLEDGE ASSETS

Knowledge **Services**

Researching, training advising, convening, facilitating, catalysing, communicating, etc.

Products

Publications, extension resources, technology and innovation pratices, policy briefs, articles, videos, etc.

PROCESSES

Organisational Development

Agricultural Development

SDGs - Global **Development**

SUSTAINABLE DEVELOPMENT

Monitoring and Learning

Source: Abugri & Brandner (2021): Continental Data Capture Strategy

Source: Abugri & Brandner (2021): Continental Data Capture Strategy









Repositioning - Akosombo Agenda











Data Capturing guidelines Developed & Published

Continental Knowledge Capturing Processes	. 66
Capturing knowledge after projects	
Capturing knowledge from events	
Capturing knowledge of leaving experts	72
Capturing knowledge from CoPs	74
Capturing knowledge from social media and apps	76
Capturing knowledge from extension and farmer advisory services	78
Capturing knowledge from donors and other AR4D partners	80
Capturing knowledge from consultants	82











3. 2021 Strengthenin g the KM Ecosystem

Catalyzing Innovation through Collaboration

Stakeholder Engagement

Fostering meaningful dialogues and collaborative relationships among diverse agricultural stakeholders.

Knowledge Sharing

2 Facilitating the exchange of ideas, best practices, and innovative solutions across the ecosystem.

Capacity Building

Empowering stakeholders with the skills and resources to drive sustainable agricultural development.

Collective Impact

Leveraging synergies and collaborative actions to amplify the reach and impact of agricultural initiatives.



The KM4AgD Challenge 2021, 2022 & 2023

- A joint annual programme of FARA, its Continental Partners CCARDESA, CORAF, ASARECA,
 AFAAS and the Knowledge for Development Partnership (K4DP), CGIAR
- Participants learn about **Knowledge Management**, **Knowledge Society** in training sessions of 8 days (5 days KM, 3 days K-Society) and **Knowledge Cafes** from experienced <u>pool of experts</u>
- Together with sector partners, they mastered 2 key challenges in groups Developed 10 thematic briefs in 2021 & KM Partnership Framework in 2022 & 2023 Continental KM Report in 2024 & 2025
- Developed Country/organization KM Strategy (28) and Country Policy Briefs (21)
- Successful participants awarded "Certified Knowledge Managers for Sustainable
 Development" accredited by recognized Universities
- Present findings, solutions and recommendations at High-level Conferences in 2021, 2022, 2023.



Strengthening the KM Ecosystem

Accra Declaration 2021 (En&Fr) - KM **Agenda for Africa** AR4D

https://faraafrica.org/2022/02/15 laccra-declaration-on-thekm4agd-agenda-for-africa/



Knowledge Management for Agricultural Development Agenda

























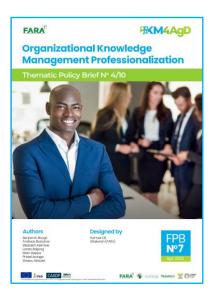




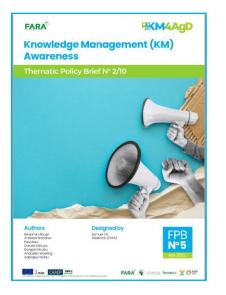
KM Policy Briefs













2022 Output launched at AASW8 in 2023

Knowledge Management Partnership Framework for AR4D in Africa

A joint AUC, CAADP-XP4 CONSORTIUM (FARA, AFAAS, ASARECA, CCARDESA & CORAF) and CGIAR recommendations from the 2022 KM4AgD Challenge & Conference









Strengthened Capacities in KM at all levels

55 Fellows

National (28 – CCARDESA 9), Regional (3), Continental (4), Youth Network (8), CG Centers (7), others (5)





https://km4agd.faraafrica.org/fellows/









2024 KM4AgD Challenge, Conference & CoP





Agricultural development in Africa. This group is coordinated by FARA, AFAAS, CORAF, CCARDESA, ASARECA and

2024 **South Africa DR Congo** Botswana **



















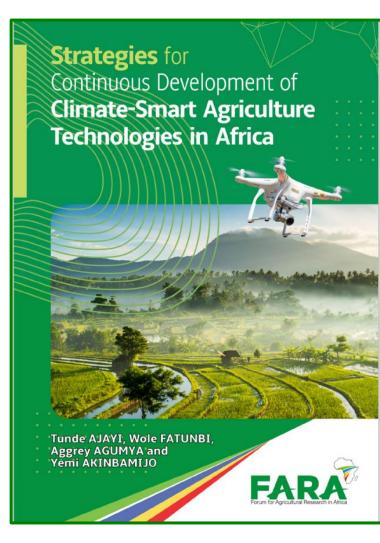




Last Mile Access to and use of Strategic Knowledge Products







45 more K-Products (389 total)
Over 10k downloads in 2023



Including Last mile perspectives through articles, science writing, social media influencing

CAAPs to catalyse Africa's transf

By HAPPY MULOLANI (CAAPs) are vehicles aimed at driving crossborder projects to leverage on initiatives which focus on priority or strategic commodities

It is believed that this approach will spu economic development

Africa, as espoused within the framework of the African Union (AU)

Value chains. Office of the Secretary General Themba Khumalo explains that CAAPs involve agreed actions between two countries to identify trade opportunities.

"Our target is to have excess food for trade and where there are domestic

regional integration and trade," Mr Khumalo said To catalyse CAAPs, it is

about countries justifying their projects within their Regional Economic Communities (REC) for the implementation of the Common African Agro-Parks programme.

agreements. He clarifies that whatever projects exist in countries aside the identified CAAPs continue, although it is better to enshrine in the regional investment plans for purposes of recognition as a CAAPs

projects, they need to sign

agreements and trade. For

these CAAPs to be viable

and translate into tangible

results, there is need to

ensure private sector

Mr Khumalo says

investments, there will

be need for private sector

when pursuing these

players to be able to

present their projects

to actualise trade

and mobilise resources

investment

regional integration plan 'We need to radically change the way we work to actualise and achieve the goals of the CAAPs." Mr Khumalo says,

He advised that countries need to look at their own domestic interests, what is existing and how best it can be scaled up.

This should be coupled with a commitment to create an enabling policy environment, trade and among others, so as to avoid any barriers between countries wanting to promote trade in their

Mr Khumalo explained that for the CAAPs to be recognised and supported, a certain criterion needs to be met as spelled out in the Abuja declaration.

The Abuja declaration criteria outlines some of the critical elements of setting up a CAAPs within a RECs

into account the nature of strategic importance in relation to integration. economic growth and food security. Further, there is need to ascertain what is on the ground in the context of feasibility of project, as there must be a base to engage some of the partners for a pre-

This means when looking at most entities, they will be need for feasibility study, which will entail the community having basic information to make a decision and demonstrate the ability to promote regional

feasibility.

Overall, there is need to look at whether countries are able to commit from a policy point of view as a country, outside investor zones to enable the private sector make those

It is key for countries to critically look at their comparative advantages and also harmonise their investments with financial commitment towards agreed value chains.

A typical case of a CAAPs is the trade greement between Zimbabwe and Zambia dubbed "Common Agriculture Industrial Park (CAP)" signed between the two countries in 2021. The partnership between the two countries is valued at over US\$12

Speaking in Lusaka during the inaugural coordination meeting of Regional Economic Communities (REC) for the implementation of the Common African Agro-Parks programme



Kwagala Elizabeth Nsimadala

March 18 at 9:05 PM · 3



FARAAFRICA.ORG

FARA and RUFORUM inaugurate the Regional Multi-Actor Research Network on Agroecology to Support Regional...

chains...



·CAAPS Principal Advisor - Value chains, Themba Khumalo delivers a

Events for sharing & Learning (Physical & virtual)

Save the Date

Science and Partnerships for Agriculture Conference



www.events.faraafrica.org







www.faraafrica.org



6th Africa-wide **Agricultural Extension** Week 2023 (AAEW2023) 1-4 Nov, Abuja, Nigeria



5th - 8th June 2023

3rd CCARDESA General Assembly

Convening, Policy Dialogues, Dgroups, Webinars, etc

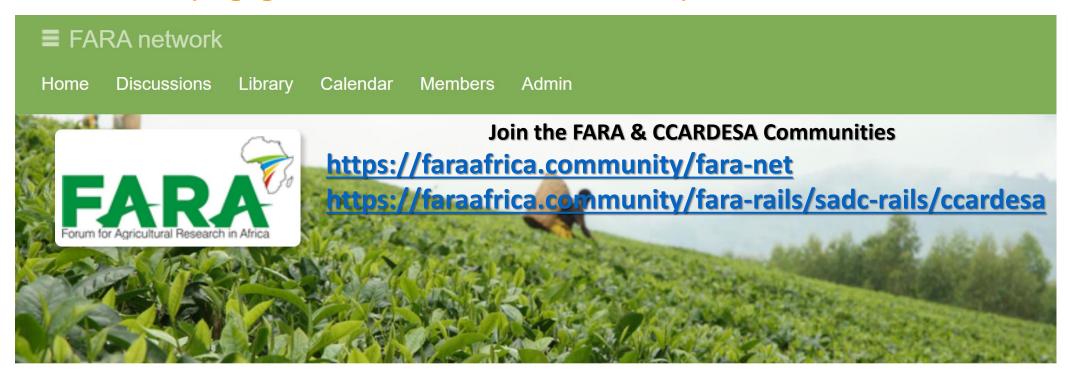






73UU 2023

Dgroups: simple solutions for building sustainable online communities (engagements, co-creation & Networks)



Welcome to the web space for FARA / bienvenue sur le site du FARA. For more information about FARA, visit http://www.faraafrica.org











XP4

CONSORTIUM









Agric

Cor





ge Magagem

Conclusion

- The KM4AgD Challenge model has been proven successful and adaptable in all sectors
- 2. Strengthening the Knowledge Ecosystem requires partnerships. Eswatini National KM Partnership (Examples in Namibia, Botswana, Mozambique, Tanzania, Ghana, Uganda, etc)
- 3. FARA, CCARDESA and partners are open to these partnerships ("Knowledgization")
- Fellows of the KM4AgD Community of Practice for KM and Artificial Intelligence provides a faculty for implementation
- The Establishment of Knowledge centres with linkage to the academia will help sustain









Conclusion



Knowledge management is a bit like travel insurance. You only wish you had it when it's too late.

O'Neill, A









References

- 1. https://faraafrica.org/2022/02/15/accra-declaration-on-the-km4agd-agenda-for-africa/- Accra Declaration on KM4AgD for Africa & FARA Corporate Website
- 2. https://library.faraafrica.org/2021/06/22/fara-continental-data-capture-strategy-june2021/ Continental Data Capture

 Strategy & FARA Main Library
- 3. https://km4agd.faraafrica.org/ KM4AgD Agenda Website
- 4. <u>www.datainforms.faraafrica.org</u> Observatory for Africa Agriculture
- 5. https://faraafrica.community/fara-net/km4s3a/km4agd Africa KM4AgD Community of Practice (Please click to Join)
- 6. https://youtu.be/38Kg8MDlg-l Video KM4AgD Challenge
- 7. https://youtu.be/KtCrlgsINt4 KM awards 2021









About Knowledge for Agricultural Development

Knowledge management for agricultural development involves the systematic management of information, knowledge, and learning in the context of agriculture. It includes activities that support the creation, capture, sharing, and use of knowledge and information to improve agricultural practices, increase productivity, and promote sustainable development.

The goal of knowledge management for agricultural development is to enable farmers, researchers, policymakers, and other stakeholders to make informed decisions based on reliable and up-to-date information. This involves identifying and prioritizing knowledge gaps, promoting knowledge exchange and collaboration, and leveraging technology to facilitate access to information.

Some specific applications of knowledge management in agricultural development include:

Developing and disseminating best practices: By gathering and sharing information about successful farming practices, knowledge management can help to increase productivity and reduce waste.

Promoting innovation: Knowledge management can help to identify new ideas and technologies that can improve agricultural practices and increase efficiency.

Strengthening collaboration: By fostering collaboration and knowledge-sharing among farmers, researchers, policymakers, and other stakeholders, knowledge management can help to build stronger agricultural communities and promote sustainable development.

Overall, knowledge management is essential for agricultural development because it helps to ensure that stakeholders have access to the information they need to make informed decisions and drive positive change.









Obrigado



ngiyabonga

Mpu'usya













Knowledge management for Agricultural Development &

Role of Communities of Practice in Achieving **Sustainable Development**



THANK YOU creative together

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Communities of Practices

Collaborating for greater Impact



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What are CoPs?



"Groups of people who share a concern or passion for something they do and learn how to do it better as they interact regularly"

(Wenger)

Characteristics:

- Domain
- Community
- Practice

Community-Meeting of the KM4AgD CoP













Targets of CoPs (selected)

- Connecting people
- Collecting experience and material
- Sharing ideas
- Provisioning of knowledge services
- Collaborating on new ideas or ongoing activities
- Mutual support
- Retaining the knowledge in a group /network

- Reflecting and developing practices
- Providing good practice guidance and material
- Building mutual trust and appreciation
- Making sure, that ideas are useful
- Motivating and presentating of oneself

ASARECA CCARDESA

 Adressing critical topics, informal issues



From loose relations to professional communities

From loose relations...

- Spontaneous, individual, regional limits
- Low transparency of capacities and needs
- Informal, missing rules
- Sustainable committment low
- Mostly bilateral relations
- Low methodological diversity
- Missing technical support
- High variety of knowledge products
- Occasional, scattered meetings
- Weak financial commitment
- No facilitation, no targets, unmanaged

...to a professional community

- Strategic, organizational, international
- Increased transparency of the market and broader collaboration
- Facilitated dialogue with clear rules
- Balanced inputs and benefits
- Primarily multilateral and comprehensive
- Blended activities of knowledge sharing
- Professional tools for k-sharing
- Common knowledge products
- Continuous collaboration
- Adequate, shared financial commitment
- Facilitated, agreed targets, managed









The CoP-Process

How to set up and energize a CoP

Birth – Development & Growth – Closure

Roles/Responsibilities/Rights

Overview of methods

Community maturity stages

Success factors

COP PROCESSES AND SUCCESS FACTORS









CoP Need for CoP identified Request to KM described **CoP** Rationale Prepare as a process Rationale no End Approved? yes Training and support by **CoP Charter** Kick-off KM / Facilitator CoP Charter Approved yes Implementation Training and support by K-products and with mix of methods; KM / Facilitator CoP services ongoing review of Charter ves Approval Report to Sponsor renewed? no K-capturing Review and closure Final k-products procedure CCARDESA CORAF JLIFAD

CONSORTIUM



5 Steps to community





- 1. Mobilise and initiate
- 2. Develop targets and structures
- 3. Exchange ideas
- 4. Create new knowledge and products
- 5. Reposition of end the community













Community Charter

- ✓ Rationale
- ✓ Vision/Goals
- ✓ Outcome/outputs/deliverables/measurments
- ✓ Management support
- ✓ Roles and responsibilities
- ✓ Communication, technical platform
- ✓ Rules
- ✓ Resources









Roles & Responsibilities in CoP

- Initiator, pioneer, creator (especially in the beginning)
- (neutral) Facilitator
- Experts
- Administrators
- Sponsor(s)
- Core team: facilitator, administrator, expert

The core team consists of the key organizers of the Community that take responsibility for the development of the CoP. Mostly, there is not one Community Leader alone, but a team with different roles, like Community Facilitators, Administrator, Lead Expert. Roles and titles should fit the organisational context and be decided by the Community itself.









Methods - 1

Traditional methods:

- Lectures and presentations
- Discussions, fireside chats
- Best practice groups
- Joint breakfast, lunch, dinner with talks, speeches, etc.
- Strengths?
- Weaknesses?









Methods - 2

Participatory methods for tacit knowledge sharing:

- World (Knowledge) Café
- Knowledge Market
- Powerful Questions
- Open Space Technology
- Story Telling
- Peer learning / Peer Consulting
- Appreciative inquiry
- Creativity Techniques
- Strengths?
- Weaknesses?









Methods – 3

Spaces of Collaboration

- Clubroom
- Communication spaces with open access
- Changing venues/hostings of meetings (recommended!)

- Strengths?
- Weaknesses?









Methods - 4

Information and Communication Technologies:

- Dgroups, Newsgroups, Wikis, Chats, Blogs, Social Tagging & Social Bookmarking
- Document and Content Management
- Member administration
- Survey tools
- Virtual co-creativity tools
- virtual collaboration on documents
- News, Calender, RSS Feeds
- Newsletter/Journal/Magazine
- Option to integrate various tools in a community space
- Strengths?
- Weaknesses?

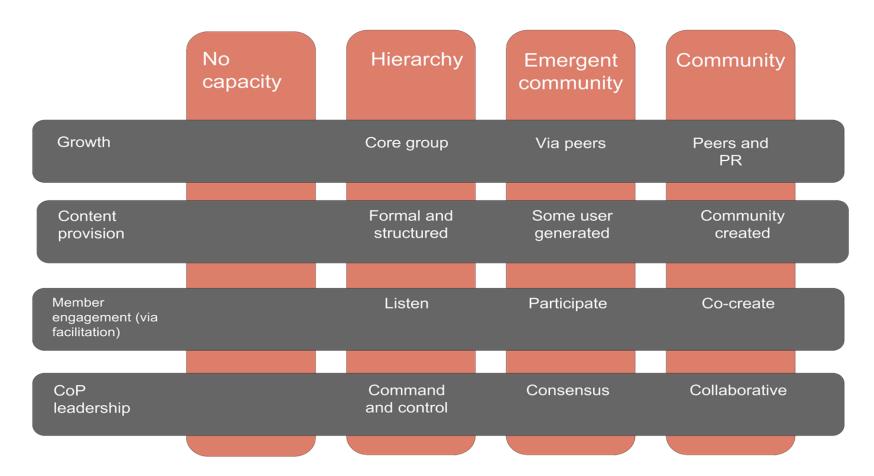








Community maturity stages



Based on: Community Roundatble community maturity model















Hybrid position of Communities

- Professionality/Target orientation vs. openness/informality
- Spontainous emergence vs. planned results
- Voluntariness vs. duty
- Market vs. Hierarchy
- Control vs. Creativity
- Collective vs. individual benefit
- Edutainment vs. active partizipation









Characteristics of CoPs

incl. potential barriers and benefits for knowledge sharing

Characteristic	Potential benefit	Potential barrier
Language diversity	Outreach to different languages; reaching people on the ground	Communication barrier; exclusion
Physical distance/time-zones	There is always somebody awake and available	Weak socialization, personal relations; communication deficits
Knowledge/skills diversity	Understanding and adjusting to the different knowledge, skills	Some are left behind, knowledge exclusion
Unequal power and resource	Access to power of the powerful	Misuse of power inequalties
Different values, objectives, and needs	Balancing values and objectives, mutual support, common values	Ideas and approaches fail, egoistic contributions, conflict of interest
Cultural diversity	Different cultural approaches can support creative solutions	Misunderstanding, not-understanding,
Different regional, economic, political, social (etc.) context	Source of creativity and innovation	Lack of transferability of knowledge; new colonialization
Differing data formats	Different approaches to collect data can create additional info	Incompatibility of data, wrong results

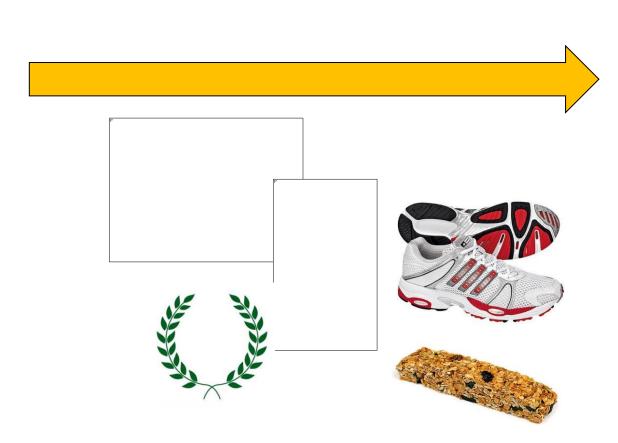


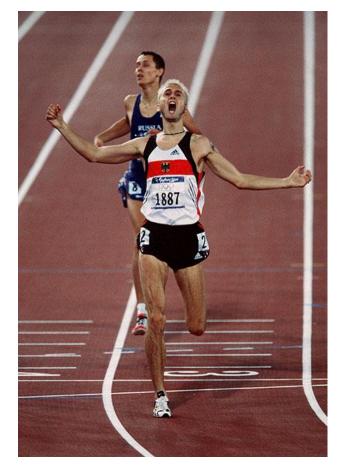






Professional knowledge work requires clear goals, resources and recognition













Success factors

- Clear link to needs of the organisation or business
- Senior management sponsorship
- Clear and well understood scope and purpose
- Clear and supported roles and responsibilities for CoP leaders and Facilitators
- Build 'trust' amongst CoP members
- Mix of face-to-face and on-line CoP activities and support
- Use of instruments for co-creativity (e.g. Knowledge Café) and appreciation of any individual contribution
- User friendly IT tool(s) for on-line activities Dgroups
- Measurable and monitored outcomes









About the Dgroup Community

- <u>Dgroups</u> is a **longstanding**, successful international development initiative that has been online since 2002. It is a global Community hosting a large family of discussion groups related to international development https://bit.ly/AboutFARADgroups
- A <u>partnership of development organizations</u> (FARA, FAO, UN agencies, bilateral agencies, NGOs) with collective interest to support global communication for development.
- Vision: a world where every person can contribute to dialogue and decision-making for international development and social justice.
- 15 Full Partners, 9 Associate Partners, and 3 Project Partners. More information on these partners is available on https://www.dgroups.info/dgroups-partnership/
- Formally constituted as a non-profit foundation registered in 2009 Netherlands.
- Three different Dgroups membership options, each with different levels of financial contribution and different rights.











Full Partners (15)

Associate Partners (9)

Project Partners (3)









About the Dgroup Community

Web-based platform that hosts, powers and connects groups.

• The Dgroups platform is hosted and maintained by Influent.

• They collaborate to ensure the platform meets a diverse range of needs for online groups, communities of practice and communities of interest









Dgroups platform – Key data

700+ communities – 50 FARA

Public/private; open/closed; moderated/unmoderated; Africa & Europe

1.1M + registered users – 40,000 (FARA)

Int'l orgs; Gov't agencies; Nat'l/Int'l NGOs; individuals; professional groups

400,000+ email messages delivered daily

over 50% exchanged with & within African countries and European partners









Features of Dgroups

Member Management Creation by Admin, invitation by email, Request from potential member

Bulk import from excel

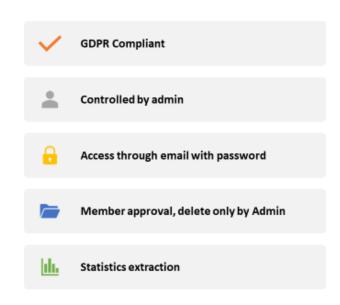
Member update own data

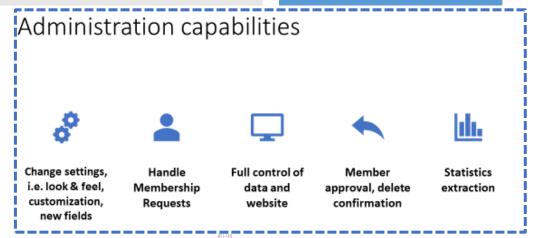
Member approval by Admin

Member can initiate exit

List can be exported to Excel from database

Security & Compliance













FARA & CCARDESA Dgroups Platform

≡ =SADC Community

Q Search

Home

Discussions

Library

Calendar

Admin



Write your welcome message here. Welcome message is visible only to community members. Use it to set expectations or clarify what is happening in this community.

Recent discussions

Discussions -

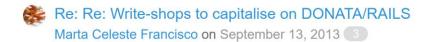












https://faraafrica.community/fara-rails/sadc-rails









What makes Dgroups more powerful and preferred for CoPs?

- Dgroups is multilingual
- Dgroups is flexible and scalable
- Easy Integration with other Websites- RSS feeds and an open API
- Dgroups is non-commercial and respectful of privacy
- GDPR Compliant
- Dgroups targets low bandwidth users
- Dgroups can be described as a global public good









Conclusion - The Role of Dgroups in CoPs

- **Dgroups is about appropriate technology** sustainable over time, not just in terms of financial sustainability but also in terms of access and use.
- **Effective and flexible tool** No technical hustle Group administrators can focus on communication, collaboration, information sharing, etc. to get their work done.
- **Shared ownership model** the different Dgroups partners invest just a fraction of the resources needed to develop and maintain a similar system inhouse.
- Reduction in the duplication and fragmentation of online communities









Dgroups: simple solutions for building online communities



Ngiyabonga Ngiyabonga kakhulu









