

Platform
for Agricultural
Risk Management

Managing risks
to improve farmers'
livelihoods

Knowledge Management / Capacity Development



Building capacities to empower farmers to manage risks at farm level: lessons from experience

**K-Sharing
& Learning Workshop**

Wednesday, 12 December 2018

Lusaka, Zambia

**Participants'
handbook**





PARM
PLATFORM FOR
AGRICULTURAL RISK
MANAGEMENT

Platform
for Agricultural
Risk Management

Managing risks
to improve farmers'
livelihoods



Participants' Handbook

Building capacities to empower farmers to manage risks at farm level: lessons from experience

K-Sharing & Learning Workshop

Date:

Wednesday, 12 December 2018

08:30 to 18:30

Venue:

Cresta Golfview Hotel

10247 Great E, Lusaka

Lusaka, Zambia

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The main activities of this workshop are coordinated by the PARM Secretariat and its partners in Zambia.

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Agenda

Time	Description	Presenter
08:30 - 09:00	Registration of participants	PARM
09:00 - 09:15	Opening Remarks	Charles Sondashi, MoA Zambia
09:15 - 09:20	Workshop Objectives and methodology	Ute Eberhardt
Session 1: Setting the scene: Capacity Development as a pillar for agricultural risk management at the farm level		
09:20 - 10:15	<p>Panel Discussion The aim of this session is to discuss and share experiences on:</p> <ul style="list-style-type: none"> Why is CD a pillar for agricultural risk management (ARM)? Sharing knowledge and empower farmers: what strategies and approaches are in place? Farmers' friendly and solution-based approaches to reach farmers: what are the challenges and key factors for success? 	<p>Moderator: Gideon Onumah, NRI/AGRINATURA</p> <p>Panellists: Ilaria Tedesco, PARM Dominic Namanyungu, MoA Zambia Marygoretti Gachagua, EAFF Prudence Ayebare, UNFFE, Uganda Misael Kokwe, Farmers Field School, FAO</p>
10:15 - 10:30	Panel Discussion Q&A	Ute Eberhardt
10:30 - 11:00	Coffee Break	
Session 2: Learning from experiences: capacity development approaches to disseminating agriculture and risk related knowledge to farmer		
11:00 - 12:20	<p>Information Market: Showcase of agriculture and risk related CD initiatives Participants and presenters will be grouped and assigned to three different corners where the initiatives will be showcased. The showcase will be organized in two rounds. For each round, initiatives will be presented in parallel sessions grouped by thematic topics:</p> <p>ROUND 1</p> <p>Panel A - Going electronic with CD:</p> <ul style="list-style-type: none"> AviApp, Soft & Consulting Crowdsourcing smartphone technology, IFPRI <p>Panel B - Dealing with risk holistically:</p> <ul style="list-style-type: none"> Partnership Framework for CD, Hawassa University and NRI Climate Change Adaptation: Operationalization of FFS, FAO <p>Panel C - Bringing gender and youth to the table:</p> <ul style="list-style-type: none"> Farmer led initiatives to manage Agricultural Risks, UNFF Integrating gender for collective agricultural risk management, University of Makerere <p>ROUND 2</p> <p>Panel D. Sharing means caring:</p> <ul style="list-style-type: none"> Experience capitalization process, CTA Values-Based Holistic Community Development, Heifer International <p>Panel E. Insurance/finance for agricultural resilience:</p> <ul style="list-style-type: none"> Presenter 1: Rural resilience Initiative, WFP Presenter 2: Financial inclusion for youth in agribusiness, EAFF <p>Panel F. From risks to profits:</p> <ul style="list-style-type: none"> Value chain for biofortified orange-fleshed sweet potato, CIP Tbc, MoA Zambia 	<p>Facilitator: Ute Eberhardt</p> <p>Cheikh Tidiane Gueye Samyuktha Kannan</p> <p>Kinfe Gebreeyesus, Gideon Onumah Tumbull Chama</p> <p>Ayebare Prudence Richard Miiro</p> <p>Gilbert Tarimo Nachimuka Cheepa,</p> <p>Derrick Ndimbwa Marygoretti Gachagua</p> <p>Penina Muoki Malomu Nawa</p>
12:20 - 13:30	Lunch break	(...)



(...) Time	Description	Presenter
Session 3: Discussing the opportunities and challenges in disseminating ARM knowledge to farmers through CD approaches		
13:30 - 15:00	<p>Group Work: Participants will reflect on the approaches presented in session 2 and come out with output/point on:</p> <p>a. Opportunities and challenges of each stakeholder in formulating, organizing and delivering CD activities at farm level, including issues related to:</p> <ul style="list-style-type: none"> - Design of innovative CD solutions; - Implementation support and reachability of farmers; - Long-term support (sustainability). <p>b. Role in the partnership framework to deliver innovative, farmer-friendly and impactful CD approaches.</p> <p>Tentative Groups: Group 1: Universities/research centres Group 2: Development agencies (international and local) Group 3: Government agencies/extension service Group 4: Civil Society (Farmers' organization, Private Sector, NGOs & foundations)</p>	<p>Facilitator: Ute Eberhardt</p> <p>Lead discussants: Kinfe Asayehegn, Hawassa University, Ethiopia Willem Janssen, WB Zambia (tbc) Patience Rwamigisa, MoA Uganda Muketoi Wamvuyume, PELUM, Zambia (tbc)</p>
15:00-15:30	Reporting back from the groups	<p>Facilitator: Ute Eberhardt</p> <p>Lead discussants</p>
15:30-15:45	Coffee Break	
Session 4: Moving forward: reaching farmers and making impacts on ARM through CD activities		
15:45-16:45	<p>Summary of outcomes – 15 min. Summary of outcomes from session 1), the CD approaches presented (from session 2) and the opportunities and challenges (from session 3).</p> <p>Interactive plenary discussions – 45 min. Interactive exchange with participants to identify and prioritize the key factors gathered throughout the day and define how to translate them into concrete actions to develop farmer-friendly and solution-based CD activities on agriculture and risk-related issues</p>	<p>Facilitator: Ute Eberhardt</p> <p>Moderators: Ilaria Tedesco, PARM Karima Cherif, PARM Balikisu Osman, PARM Gideon Onumah, NRI</p> <p>Plenary</p>
16:45-16:55	Closing remarks	Dominic Namanyungu, MoA Zambia
16:55-18:30	Exhibition and cocktail network	



Workshop Programme

SUMMARY



1. The Context

Over the last decade, risks relating to weather shocks, market uncertainties, and policy fragilities have escalated with increasingly negative impacts on farming livelihoods and food security of rural households. Such critical issues highlight the urgency to share knowledge, innovative ideas, and best practices on agricultural risk management (ARM) and to design appropriate capacity development (CD) activities for the stakeholders involved. Smallholder farmers, for example, are still inclined to analyse risk situations based on their perception. Besides, very few adopt sustainable integrated risk management strategies for long-term solutions. Such limitations call for more innovative agriculture and risk related CD activities at the farm level.

The Platform for Agricultural Risk Management (PARM), the World Bank and other partners have established the basic methodology for evidence-based agricultural risk assessments and prioritization. As part of its mandate, PARM has also played an important role in delivering capacity development (CD) activities in eight sub-Saharan African countries and in organising global and regional knowledge-sharing events to learn and discuss on ARM related experiences. Outcomes from these national, regional and global engagements suggest the persistence of bottlenecks and low take-up of existing innovation in the area of ARM Knowledge and Capacities at the farmer level.

CD activities are also recognized as an important pillar of ARM interventions in PARM's recent publication on "**Agricultural Risk Management: practices and lessons learned for development**". In particular, the publication highlights the need to tailor CD activities to diverse stakeholder groups, assess stakeholders' capacity needs, adapt CD materials to specific context. It also identifies the need to link theoretical knowledge with practical experiences to improve ARM knowledge, take-up and utilisation.

2. The Host

The Platform for Agricultural Risk Management (PARM) is an outcome initiative of the 2010-2013 G8-G20 discussions on food security and agricultural growth. It was established in December 2013 through a multi-donor partnership between the European Commission (EC), the French Development Agency (AFD), the Italian Development Cooperation (DGCS), German Cooperation (BMZ/KfW) and the International Fund for Agricultural Development (IFAD). PARM works in strategic partnership with the New Partnership for Africa's Development (NEPAD) and other development partners to make risk management an integral part of policy planning and implementation.

One of PARM's main objective is to facilitate ARM knowledge exchange in developing countries. Its activities are currently focused in eight Sub-Saharan African countries - Uganda, Ethiopia, Zambia, Cameroon, Senegal, Niger, Liberia and Cabo Verde. In each of these countries, PARM engages partners in a multi-stakeholder-centred process that involves Agricultural Risk Assessment Studies, ARM Tools Feasibility Studies, Capacity Development, Knowledge Sharing and Policy Dialogue activities.

PARM's CD activities represent one of the main pillars of the PARM process and integral part of PARM Knowledge Management (KM) Strategy. As such, the PARM CD activities are articulated as follows: 1) a 2-day General ARM seminar (CD1), 2) a 5-days higher level ARM training implemented in partnership with local institutions (CD2) and 3) specific trainings on ARM tools (CD3). These activities seek to enhance learning among key actors and final users (i.e. smallholder farmers) of agricultural risk management. Linked to its CD activities, PARM also develops ARM training materials, including an e-learning courses jointly with FAO and with contribution of many other partners.



3. The Workshop

As part of the broader PARM KM Plan to disseminate knowledge on ARM, this workshop aims to identify innovative and solution-based CD approaches in agriculture and risk related issues that meet farmers' needs, by discussing how different stakeholders can bring such learning and practices at the farmer level – that is, either individual or organised small-holder farmers that are into subsistence or commercial farming activities.

The event will also present PARM experiences in delivering ARM CD activities and provide an avenue for PARM partners and non-partners to showcase their successful CD approaches together with the opportunities and challenges in disseminating ARM knowledge to farmers in a sustainable manner. More importantly, the workshop will provide opportunity for key stakeholders, including farmer organisations, development agencies, government and the private sector to discuss their roles for more innovative CD approaches and impacts at the farm level.

3.1. Set up

The workshop will rely on panel discussions, a showcase of agriculture and risk related CD initiatives, as well as stakeholder group discussions. An introductory panel discussion will set the scene of the event discussing the context of CD initiatives at the farmer level while the closing session will sum up the outcomes from the earlier sessions and prioritize the key factors collected throughout the day.

In preparation of the workshop, a call for proposal has been sent out to request interested participants to present specific CD initiatives in the field of agriculture and risk related issues. A total of 12 proposals have been selected to be showcased based on diversity, type of approach and innovation.

The showcase will be followed by the group discussion session which will bring together participants who are similarly interested in CD – farmer organisations, researchers, government, development organisations and the private sector – to discuss their roles as well as the opportunities and challenges of disseminating agriculture and risk related knowledge to farmers through various CD approaches.

The key objective of this event is for participants – from the various platforms that transfer knowledge and capacities on agriculture and risk related issues at farm level – to share their experience, to outline key opportunities and challenges, identify key factors and gaps and/or room for improvement and to build partnership for CD activities at the farmer level.

3.2. Objective

The **key objective** of this event is for participants – from the various platforms that transfer knowledge and capacities on agriculture and risk related issues at farm level – to share their experience, to outline key opportunities and challenges, identify key factors and gaps and/or room for improvement and to build partnership for CD activities at the farmer level.

3.3 Expected Results

The key results of this event are:

1. To identify and prioritize key factors for innovative, farmer-friendly and impact-oriented CD initiatives that could translate into concrete ARM CD approaches to be mainstreamed into agriculture and food security agendas in developing countries;
2. To highlight stakeholders' partnership opportunities in CD activities at the farmer-level.



3.4 Expected outputs

The results of the discussions will be captured by a workshop report “**Building capacities to empower farmers to manage risks at farm level: lessons from experience**”¹. The report will:

1. Collect existing CD initiatives on agriculture and risk related issues at farmer-level;
2. Identify related opportunities and challenges based on prioritized key factors;
3. Outline key stakeholders' roles and further actions to reach farmers and make more impacts through ARM-related CD activities.

3.5 Target

The focus area of this event is CD approaches that disseminate ARM knowledge at farmer level. By farmer level, it is meant individual or organised smallholder farmers that perform subsistence or commercial-oriented farming activities. The event seeks to bring together about 50 participants with specific interest on ARM at the farmer level. It will target national and regional farmer organisations as well as PARM CD partners (universities, research institutes, private sector), Advisory and Steering Committee members, CAADP Focal Points and country partners. It will also extend invitations to relevant non-partner organisations within and beyond PARM focused countries with relevant experiences in CD on ARM at the farmer level. For a more detailed list of participants please see Annex 1.

¹ The final publication will be peer-reviewed by the Technical Committee and is planned to be published by early 2019



SESSION 1.

Setting the scene: Capacity Development as a pillar for agricultural risk management at the farm level

PANEL DISCUSSIONS' GUIDELINES



Session 1: Setting the scene: Capacity Development as a pillar for agricultural risk management at the farm level

09:20 - 10:15

Panel Discussion

The aim of this session is to discuss and share experiences on:

- Why is CD a pillar for agricultural risk management (ARM)?
- Sharing knowledge and empower farmers: what strategies and approaches are in place?
- Farmers' friendly and solution-based approaches to reach farmers: what are the challenges and key factors for success?

Moderator:

Gideon Onumah, NRI/AGRINATURA

Panellists:

Ilaria Tedesco, PARM
 Dominic Namanyungu, MoA Zambia
 Marygoretti Gachagua, EAFF
 Prudence Ayebare, UNFFE, Uganda
 Misael Kokwe, Farmers Field School, FAO

10:15 - 10:30

Panel Discussion Q&A

Ute Eberhardt

1.1 How does it works?

A diversity of risks – weather, market, biological, policy etc. – negatively affects smallholder farmers' livelihoods in developing countries, partly due to their limited awareness and capacity on assessing agricultural risks, and lack of knowledge on management tools and investment options. Hence increasing farmers' capacities to manage risks represents a priority in the development agenda.

The main objective of this session is to discuss different capacity development approaches and experiences on agriculture and risk-related issues at farm level - from meso-level, governmental and international organization perspective. It will host 5 panel members and a moderator in a form of talk show, where each panel member will have about 5 minutes to provide concise and illustrative responses to the set of questions posted by the moderator.

1.2 Discussion topics and panelists

Panel discussions 55 min.

Why is CD a pillar for agricultural risk management (ARM)? 5 min.

– *Moderator:* Gideon Onumah, NRI/AGRINATURA



Sharing knowledge and empower farmers: what strategies and approaches are in place? 20 min. (5 min. per question).

- *Panelist:* Ilaria Tedesco, PARM. PARM CD activities on ARM: the holistic approach
- *Panelist:* Dominic Namanyungu- MoA GoZ. MOA strategy and the role of extension service to reach out farmers for trainings and engage them in knowledge sharing activities (including covering different geographic areas, types of farmers, etc.)?
- *Panelist:* Marygoretti Gachagua, EAFF. What is the FO strategy to reach out farmers for trainings? An East African prospective.
- *Panelist:* Misael Kokwe, FAO, Farmers' Field School (FFS). What is FFS approach in training farmers, and linkages with other stakeholders?

Farmers' friendly and solution-based approaches to reach farmers: what are the challenges and key factors for success? 20 min (5 min. per question)

- *Panelist:* Prudence Ayebare, UNFF
- *Panelist:* Misael Kokwe, FAO (FFS)
- *Panelist:* Dominic Namanyungu - MoA GoZ
- *Panelist:* Ilaria Tedesco, PARM

Key factors for successful CD and knowledge sharing: a summary 5 min

- *Moderator:* Gideon Onuman, NRI/AGRINATURA

Plenary Discussions Q&A, 15 min

- *Facilitator:* Ute Eberhardt
Building on the panel discussions, participants will have the opportunity to ask questions to panelist.



SESSION 2.

Learning from experiences: capacity development approaches to disseminating agriculture and risk related knowledge to farmer SHOWCASE'S GUIDELINES



Session 2: Learning from experiences: capacity development approaches to disseminating agriculture and risk related knowledge to farmer

11:00 - 12:20

Information Market: Showcase of agriculture and risk related CD initiatives

Participants and presenters will be grouped and assigned to three different corners where the initiatives will be showcased. The showcase will be organized in two rounds. For each round, initiatives will be presented in parallel sessions grouped by thematic topics:

ROUND 1

Panel A - Going electronic with CD:

- AviApp, Soft & Consulting
- Crowdsourcing smartphone technology, IFPRI

Panel B - Dealing with risk holistically:

- Partnership Framework for CD, Hawassa University and NRI
- Climate Change Adaptation: Operationalization of FFS, FAO

Panel C - Bringing gender and youth to the table:

- Farmer led initiatives to manage Agricultural Risks, UNFF
- Integrating gender for collective agricultural risk management, University of Makerere

ROUND 2

Panel D. Sharing means caring:

- Experience capitalization process, CTA
- Values-Based Holistic Community Development, Heifer International

Panel E. Insurance/finance for agricultural resilience:

- Presenter 1: Rural resilience Initiative, WFP
- Presenter 2: Financial inclusion for youth in agribusiness, EAFF

Panel F. From risks to profits:

- Value chain for biofortified orange-fleshed sweet potato, CIP
- Tbc, MoA Zambia

Facilitator:

Ute Eberhardt

Cheikh Tidiane Gueye
Samyuktha Kannan

Kinfe Gebreeyesus, Gideon Onumah
Turnbull Chama

Ayebare Prudence
Richard Miiri

Gilbert Tarimo
Nachimuka Cheepa,

Derrick Ndimbwa
Marygoretti Gachagua

Penina Muoki
Malomu Nawa

2.1 How does it work?

A total of 12 agriculture and risk-related capacity development initiatives have been selected based on diversity, type of approach and innovation. Presenters will be organized in groups (based on similarities in topics or approaches) and they will illustrate the details of their CD initiative.

The session will start with a 5 minutes introduction and a brief description of the showcase activity by the session facilitator. Afterwards, each presenter will be given 1 minute to introduce the CD initiative to be showcased to the entire audience.

The session 2 will be organized in two rounds. In each round, there will be two presentations per group and the showcasing will be done in three parallel sessions. Each presenter will have 10 minutes to showcase the initiative and 5 minutes for comments. Participant will be free to move around the information market to learn the opportunities and challenges of selected capacity development initiative for disseminating agriculture and risk related knowledge to farmers. Meanwhile, showcase presenters are advised to remain in their assigned groups.



Each presenter will outline:

- a. Aim of the CD initiative (including which steps of the capacity development process it focuses on)
- b. Implementation approach including organization, logistics, delivery methods, etc.)
- c. Main target group (and how it affects farmers)
- d. Partners involved and their role
- e. Impacts/results
- f. Strengths and weakness of the approach
- g. Conclusion (key factors)

As participants will be free to move around the information market, they are free to choose between the selected topic according to their interests. The identified thematic topics of focus for each round are:

ROUND 1 - Parallel Sessions (22 min.)	ROUND 2 - Parallel Sessions (22 min.)
A. Going electronic with CD	D. Sharing means caring
B. Dealing with risks holistically	E. Insurance/finance for agricultural resilience
C. Bringing gender and youth to the table	F. From risks to profits

2.2 Information market topics and initiatives

Panel A. Going electronic with CD

As technology advances, so do the ways of engaging with farmers also improve. In recent times ICT is playing an active role in the agricultural sector. There is a proliferation of mobile-based apps, SMS and picture-based algorithms that enable farmers to plan, manage and track their progress. With these innovations, farmers send or input their information and receive real-time feedback on how to manage corresponding risks. Some of the innovations further connect farmers to specific extension services that could render supports. In the Session 2, two presenters will showcase initiatives that are using ICT to build farmers knowledge.

- *Presenter 1: **AviApp*** - Cheikh Tidiane GUEYE, Soft & Consulting
- *Presenter 2: **Crowdsourcing smartphone technology*** - Samyuktha Kannan, IFPRI

Panel B. Dealing with risks holistically

Agricultural risks are intertwined and compounded at different levels. For instance, a climate-induced risk like erratic rainfall affects not only farmers' production but also market - access to a better price. As such, most development agencies implement capacity development activities that address risks emanating from diverse aspects of farmers' livelihoods, including production, market, policy/institutional, assets etc. As part of the session 2 of the event, two presenters will showcase how their CD activities deliver/focus on an integrated/holistic approach:

- *Presenter 1: **Partnership Framework for CD***, Kinfe A. Gebreeyesus, Hawassa University and Gideon E. Onumah, NRI, University of Greenwich
- *Presenter 2: **Climate Change Adaptation: Operationalization of FFS***, Turnbull Chama, FAO



Panel C. Bringing gender and youth to the table

Gender-responsive and youth-oriented capacity development activities are central to ensuring an inclusive agricultural development and contribute to achieving the globally promised sustainable development goals. Development partners in diverse part of the world have integrated, prioritized and implemented gender and youth activities as part of their livelihoods and food security programme agenda. As part of the event, some presenters will deliver how their approach focuses on gender and youth and specific lessons that can be drawn to improve existing opportunities and challenges.

- *Presenter 1: **Farmer led initiatives to manage Agricultural Risks***, Ayebare Prudence, UNFF
- *Presenter 2: **Integrating gender for collective agricultural risk management***, Richard Miiro, University of Makerere

Panel D. Sharing means caring

A key important, yet, least recognized is the knowledge farmers have at their disposal. As individual farmers operate their farms, they learn and relearn from their operations. Through this process of learning, farmers become key agents of information and can provide a great avenue to collect and share best practices. In recent times, development organizations are increasingly working with farmers to formalize the tacit knowledge that is often unrecognized. In the Session 2, two presenters will showcase:

- *Presenter 1: **Experience capitalization approach***, Gilbert Tarimo, CTA
- *Presenter 2: **Values-Based Holistic Community Development***, Nachimuka Cheepa, Heifer International

Panel E. Insurance/finance for agricultural resilience

In responding to agricultural risks, some organizations have developed specialized tools that have the potential to address a wide range of risk problems. Among these tools include insurance-oriented schemes that provide farmers with insurance services while also building their capacity to access different form of financial services for livelihoods resilience. This will feature presentations from:

- *Presenter 1: **Rural resilience Initiative***, Derrick Ndimbwa, WFP
- *Presenter 2: **Financial inclusion for youth in agribusiness***, Marygoretti Gachagua, EAFF

Panel F. From risks to profits

Agricultural activities in developing countries like those in Africa are mainly subsistence. Farmers earn little or no income from the growing of crops and the rearing of animals as they do not cultivate for the market. In ensuring that farmers secure income in addition to the food for households, some capacity development initiatives have taken a step forward to provide knowledge and facilitate farmers to improve their farm practices and add value to their farm produce to attract a market. The following presentations will be featured in this regard:

- *Presenter 1: **Value chain for biofortified orange-fleshed sweet potato***, Penina Muoki, CIP
- *Presenter 2: **Tbc***, Malomu Nawa, MoA Zambia

For a more detailed description of the initiatives please refer to Annex 2.



SESSION 3.

Discussing the opportunities and challenges in disseminating ARM knowledge to farmers through CD approaches

GROUP DISCUSSIONS' GUIDELINES

Session 3: Discussing the opportunities and challenges in disseminating ARM knowledge to farmers through CD approaches

13:30 - 15:00	<p>Group Work: Participants will reflect on the approaches presented in session 2 and come out with output/point on:</p> <p>a. Opportunities and challenges of each stakeholder in formulating, organizing and delivering CD activities at farm level, including issues related to:</p> <ul style="list-style-type: none"> - Design of innovative CD solutions; - Implementation support and reachability of farmers; - Long-term support (sustainability). <p>b. Role in the partnership framework to deliver innovative, farmer-friendly and impactful CD approaches.</p> <p>Tentative Groups: Group 1: Universities/research centres Group 2: Development agencies (international and local) Group 3: Government agencies/extension service Group 4: Civil Society (Farmers' organization, Private Sector, NGOs & foundations)</p>	<p>Facilitator: Ute Eberhardt</p> <p>Lead discussants: Kinfe Asayehegn, Hawassa University, Ethiopia Willem Janssen, WB Zambia (tbc) Patience Rwamigisa, MoA Uganda Muketoi Wamvuyme, PELUM, Zambia (tbc)</p>
15:00-15:30	Reporting back from the groups	<p>Facilitator: Ute Eberhardt</p> <p>Lead discussants</p>

3.1 How does it work?

The purpose of this session is to make participants discuss and reflect on the different CD activities/approaches to disseminating knowledge on agriculture and risk-related issues presented throughout the day.

The objective of this session is to arrive at complete for each round a joint "framework" that summarizes opportunities and challenges of each stakeholder in formulating, organizing and delivering CD activities at farm level developed by each and their roles.

For the group discussions, participants will be grouped according to their stakeholder category and will be assigned to a color and a number to recognize their group.

The groups of stakeholders are as indicated below:

- **Group 1:** Universities/research centers
- **Group 2:** Development agencies (international and local)
- **Group 3:** Government agencies
- **Group 4:** Civil Society (Farmers' organization, Private Sector, NGOs & foundations)

In each group, a discussant leader will facilitate the exchanges between participants. The discussions in each group will be organized in two interrelated rounds



Round 1

participants from same-stakeholder category group – by color, 50 min.

During this first round of discussions, participants will reflect on opportunities and challenges of each stakeholder in:

- a. formulating design of innovative CD solutions;
- b. organizing and implementing innovative CD activities to reach farmers;
- c. ensuring long-term support, adoption and sustainability

This will be done following the framework table template provided below:

	1. Formulating design of innovative CD solution (15 min.)	2. Organizing/ implementing innovative CD activities reachable by farmers (15 min.)	3. Ensuring long-term support, adoption and sustainability (15 min.)
Opportunities/Strengths	<ul style="list-style-type: none"> - opportunity/strength 1 - opportunity/strength 2 - opportunity/strength 3 - 	<ul style="list-style-type: none"> - opportunity/strength 1 - opportunity/strength 2 - opportunity/strength 3 - 	<ul style="list-style-type: none"> - opportunity/strength 1 - opportunity/strength 2 - opportunity/strength 3 -
Challenges / Constraints	<ul style="list-style-type: none"> - challenge/constraint 1 - challenge/constraint 2 - challenge/constraint 3 - 	<ul style="list-style-type: none"> - challenge/constraint 1 - challenge/constraint 2 - challenge/constraint 3 - 	<ul style="list-style-type: none"> - challenge/constraint 1 - challenge/constraint 2 - challenge/constraint 3 -

Round 2

group of mixed stakeholders – by number, 30 min.

Participants from each group will mix up, guided by the facilitator, while Lead Discussant will remain in the original group.

Participants will discuss on their role as stakeholder to address the challenges in the partnership framework to deliver innovative, farmer-friendly and impactful CD approaches.



	1. Formulating design of innovative CD solution (10 min.)	2. Organizing/ implementing innovative CD activities reachable by farmers (10 min.)	3. Ensuring long-term support, adoption and sustainability (10 min.)
Opportunities/Strengths	<ul style="list-style-type: none"> - opportunity/strength 1 - opportunity/strength 2 - opportunity/strength 3 - 	<ul style="list-style-type: none"> - opportunity/strength 1 - opportunity/strength 2 - opportunity/strength 3 - 	<ul style="list-style-type: none"> - opportunity/strength 1 - opportunity/strength 2 - opportunity/strength 3 -
Challenges / Constraints	<ul style="list-style-type: none"> - challenge/constraint 1 - challenge/constraint 2 - challenge/constraint 3 - 	<ul style="list-style-type: none"> - challenge/constraint 1 - challenge/constraint 2 - challenge/constraint 3 - 	<ul style="list-style-type: none"> - challenge/constraint 1 - challenge/constraint 2 - challenge/constraint 3 -
Role of other stakeholders (in addressing the challenges identified)			

Reporting back from groups – 30 min. (7 min. each group)

Each lead discussant will illustrate to the plenary the main results of the group discussion.



SESSION 4.

Moving forward: reaching farmers and making impacts on ARM through CD activities



Session 4: Moving forward: reaching farmers and making impacts on ARM through CD activities

15:45-16:45	<p>Summary of outcomes – 15 min. Summary of outcomes from session 1), the CD approaches presented (from session 2) and the opportunities and challenges (from session 3).</p> <p>Interactive plenary discussions – 45 min. Interactive exchange with participants to identify and prioritize the key factors gathered throughout the day and define how to translate them into concrete actions to develop farmer-friendly and solution-based CD activities on agriculture and risk-related issues</p>	<p>Facilitator: Ute Eberthardt</p> <p>Moderators: Ilaria Tedesco, PARM Karima Cherif, PARM Balikisu Osman, PARM Gideon Onumah, NRI</p> <p>Plenary</p>
16:45-16:55	Closing remarks	Dominic Namanyungu, MoA Zambia

4.1 How does it work?

The last session will aim at reaching together with participants to a common conclusion and define a way forward for better dissemination of knowledge and build capacities at farm level.

Summary of outcomes – 15 min.

The PARM team will provide a brief summary of outcomes from session 1), the CD approaches presented (from session 2) and the opportunities and challenges (from session 3).

Interactive plenary discussions – 45 min.

Guided by the facilitator participants will then have the opportunity to actively engage in the discussions through an interactive exercise aimed at identifying new and prioritizing the key factors gathered throughout the day and define how to translate them into concrete actions to develop farmer-friendly and solution-based CD activities on agriculture and risk-related issues.



PARM
PLATFORM FOR
AGRICULTURAL RISK
MANAGEMENT



Annexes

A.1. List of participants

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A.2. Description of capacity development showcase initiatives

Panel A. Going electronic with CD

AviApp, Soft & Consulting Cheikh Tidiane Gueye

A mobile-based platform that provides production and market related risk information to poultry farmers in Dakar, Senegal. It is initiated through a co-ownership between Soft & Consulting firm and ASPRODEB/FAFA - a farmer cooperative in Senegal. This tool has been under development since January 2018 with 7 selected farmers. It aims at enhancing effective and efficient progress tracking and evaluation of poultry farming activities instead of the traditional weekly excel sheet record keeping. Farmers send information on three key focus areas: chicks weight, feeding and mortality. The app analysis the data and process it to provide feedback on the total cost of production, profit and loss and pest and disease and specific recommendations.

Crowdsourcing smartphone technology, IFPRI Samyuktha Kannan

It is a picture-based Insurance (PBI) and picture-based advisory (PBA) initiative that aims to improve the ability of smallholder farmers to mitigate risk by offering them affordable, reliable and efficient crop advisory and insurance. Capitalizing on recent advancements in remote sensing, image processing, machine learning, and smartphone ownership, this initiative provides insurance providers and agronomy experts eyes on the ground. Farmers enrol their plots by downloading a freely available, easy-to-use mobile application onto their own smartphones, submitting an initial picture of the plot according to guidelines in-built in the app and regularly uploading repeat pictures of this plot with the exact same view angle as the initial picture, from sowing to harvest. Incoming pictures are used by agronomy experts (from CABI and Kisan Sanchar) along with secondary data to provide timely and relevant advisories customized at the plot-level. At the end of the season, the resulting time series of pictures are processed and assessed for visible damage. Farmers with visible damage are compensated by the insurance provider (HDFC Ergo General Insurance).

Panel B. Dealing with risk holistically

Partnership framework for capacity development, Hawassa University and NRI Kinfe Asayehgn Gebreeyesus (Hawassa University) / Gideon E. Onumah (NRI, University of Greenwich)

A partnership has been built between Hawassa University, NRI and PARM to disseminate ARM knowledge in Ethiopia. PARM facilitated the implementation of the pilot ARM training of trainers (ToT), organized and delivered by Hawassa University, targeting national extension service with the aim of creating a pool of resourceful and skilled trainers to deliver grassroots-level, farmer-oriented training activities at the district and community level. NRI elaborated the related sustainable investment plan to incorporate and mainstream ARM capacity development activities and trainings into the national agricultural policy and investment plan targeting the Ethiopian extension service, and the cascade effect to reach farm level.



Climate Change Adaptation: Operationalization of Farmer field schools (FFS), FAO

Turnbull Chama

The main aim of our initiative is to promote among smallholder farmers the various tested and proved climate change adaptation options suitable for the environmental, biophysical, and socio-economic conditions prevalent in their local communities so that farmers can better anticipate and adapt to climate change shocks through diversified livelihoods at farm level.

Panel C. Bringing gender and youth to the table

Farmer led initiatives to manage Agricultural Risks, UNFF

Ayebare Prudence

This initiative train and sensitize farmers through their village associations with the aim that the message or knowledge will get to the individual farmers. The training mainly focuses on Climate Smart Agricultural Initiatives, like Farmer Managed Natural Regeneration of Trees, Good agricultural Practices like Affordable irrigation technologies, Managing crop Pests and Diseases through our extension system.

Integrating gender for collective agricultural risk management, University of Makerere

Richard Miiro

This CD initiative aims to enhance the use of orange fleshed sweet potato by facilitating gender analysis of the sweet potato value chain. The process involved training of community-based facilitators in how to conduct gender analysis of the sweet potato value chain with men and women farmers. This process would help identify the gendered constraints and risks in the crops value chain. The identified constraints and risks would prompt a set of family and institutional based solutions to mitigate the identified risks. The trained community-based facilitators using a training guide would on their own engage the farmers directly through a similar process. The men and women farmers in turn plan and implement changes to address the identified constraints/risks.

Panel D. Sharing means caring

Experience capitalization approach, CTA

Gilbert Tarimo

The main aim of CTA's experience capitalization approach is to provide farmers or actors in the agriculture value chains, be it organizations capacities with tools, skills and methods to plan and implement the knowledge generation from their own experience for better understanding of the work itself and for improving/upscaling but for sharing to others to learn from one another as a best practice. Its capacity development approach that ensures that tacit knowledge from farmers are captured, built upon and share to improve livelihoods and programmes.



Values-Based Holistic Community Development, Heifer International Nachimuka Cheepa

Heifer's capacity development model combines provides a set of trainings (human capital) to enhance social capital and productive capacity among farming households. Social capital gives marginalized groups the capacity and drive to initiate enterprise activities as well as linkages to other actors. It is through this increased social capital that farmers can integrate into the market economy. Heifer's model is based on trainings in areas including: leadership and management, community-based project monitoring and evaluation, entrepreneurship skills, integrated agriculture, innovative and adaptive climate-smart livestock management practices, marketing and market development techniques, nutrition, health and gender equity over a period of six months.

Mentoring teams are formed after a period of three to six months with parameters such as good leadership abilities, communication skills, coordination abilities and geographic proximity to other farmer groups taken into consideration in the forming of mentoring teams. Participatory Self Review and Planning, Savings and Credit schemes and training in Heifer's own Cornerstones are also used to assist farmers in consistently thriving and increasing their resilience. This leads our farmers to be able to plan for long-term and secure food and income for times of difficulty and stress.

Panel E. Insurance/finance for agricultural resilience

Rural resilience initiative (R4), WFP Derrick Ndimbwa

R4 is a strategic initiative to empower vulnerable rural households to increase their food and income security in the context of increasing climate risks. The Initiative is built on an innovative model that combines four risk management strategies: disaster risk reduction, micro insurance, access to credit, and savings. While the initiative has a key focus on weather index insurance, it also plays a role in facilitating the formation of farmer clubs for farmer-to-farmer training, knowledge sharing and learning in diverse areas critical to farmers well-being

Financial inclusion for youth in agribusiness, EAFF Marygoretti Gachagua

In this capacity development initiative, the EAFF matches investor-ready youth proposals to financial providers either in form of grant, equity, loan etc. It also provides youth with mentorship programme to connect them to agri-entrepreneurs and agri-incubation centers that are doing a similar business so that they can learn more about how to build on their ideas and operate the business in the correct way. This is based on the believe that youth should have proper business proposals that are realistic to meet their entrepreneurial ambitions. It is also an approach to help the youth appreciate the value of doing business in a correct way to maximize their profit while creating a job for not only themselves but also to other people.

Panel F. From risks to profits

Value chain for biofortified orange-fleshed sweet potato, CIP Penina Muoki

This capacity development initiative or approach aim to share the pathways to commercialize a low value crop such as sweet potato in Africa while working with resource poor farmers and within erratic weather conditions. It is also an approach to incentivise the private sector, and a way to de-risk value chain actors who venture into the agriculture value chain activities.

Tbc, MoA Zambia Malomu Nawa



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