



# UPSCALE

UPSCALING THE BENEFITS OF PUSH-PULL TECHNOLOGY FOR  
SUSTAINABLE AGRICULTURAL INTENSIFICATION IN EAST AFRICA



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**D1.1:**  
**Report on Identity and Structure of**  
**MACs**  
July/2021

<b>Author(s)/Organisation(s)</b>	Dr. Benjamin Ombok, Dr. Fredrick Aila, Dr. Scholastica Odhiambo, Prof. George Odhiambo (Maseno University, MU)
<b>Contributor(s)</b>	Dr. Abubaker Muwonge (NARO), Mr. Jimmy Pittchar ( <i>icipe</i> ), Mr. Didier Nkubito (FH), Dr. Ignath Rwiza (TARI) and Mr. Gizaw Gebremariam (ISD).
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<b>Abstract:</b>	Multi-Actor Communities of Practice (MACs) in the UPSCALE project form the foundation for transdisciplinary research and technology innovation. This report provides information on the process of identification of the MACs, formation of management committees, terms of reference and operation frameworks for the MACs. MAC formation has to its membership 56 participants in Uganda drawn from 17 institutions, 33 in Kenya from 11 institutions, 29 in Rwanda from 15 institutions and 36 in Tanzania from 10 institutions; while Ethiopia has provided a list of contacted MAC membership representation from 15 institutions, with its membership to be confirmed at a workshop scheduled for August 2021. Full identity, structure of MACs and their management committees are presented for four out of five countries where the project is being implemented (i.e. Kenya, Uganda, Tanzania and Rwanda). Schedule of planned activities for regional, national and in-country MAC meetings are given within the report. Information on linkage with other projects within the Sustainable Intensification (SI) framework are also included. In conclusion, the MAC formation process is dynamic and continuous, and will bring more actors in tandem with the objectives and adaptive scenarios of the UPSCALE project MACs in its 5-year lifetime.

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No	Participant Organisation Name	Short Name	Country
1	LEIBNIZ UNIVERSITAET HANNOVER	LUH	DE
2	THE INTERNATIONAL CENTRE OF INSECT PHYSIOLOGY AND ECOLOGY LBG	ICIPE	KE
3	BAYERISCHE FORSCHUNGSALLIANZ BAVARIAN RESEARCH ALLIANCE GMBH	BayFOR	DE
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List of Abbreviations and Acronyms	
<b>ADECOR</b>	Association des Consommateurs du Rwanda
<b>AICT</b>	African Inland Church in Tanzania
<b>AUPWAE</b>	Association of Uganda professional women in agriculture and environment
<b>BoA</b>	Board of Agriculture
<b>CGA</b>	Cereal Growers Association
<b>KENAFF</b>	Kenya National Farmers Federation
<b>MAC</b>	Multi-Actor Community of Practice
<b>MFEC</b>	Mgabiri Farm Extension Centre
<b>MINAGRI</b>	Ministry of Agriculture and Animal Resources (Rwanda)
<b>NGO</b>	Non-Governmental Organisation
<b>OWSL</b>	One World Sustainable Livelihood
<b>PPT</b>	Push-Pull Technology
<b>PSF</b>	Private Sector Federation (Rwanda)
<b>RAIDA</b>	Rwanda Agriculture Inputs Dealers Association
<b>SAFE</b>	Sustainable Agriculture for Food and Economic Development
<b>SOAP</b>	Sigomre Organic Agriculture Program
<b>TD</b>	Transdisciplinary
<b>TOR</b>	Terms of Reference
<b>UNFFE</b>	Uganda National Farmers Federation
<b>WeRATE</b>	Western Regional Alliance for Technology Evaluation
<b>WP</b>	Work Package

## 1 Introduction

Multi-Actor Communities of practice (MAC) are critical for creating an enabling environment for effective and efficient transdisciplinary and multi-actor research and technology innovation. In this regard, MACs have been formed in four of the five study regions where the UPSCALE project is being implemented. The starting point was the Kick-Off Conference that was conducted in November 2020 at the inception of the project. This conference served as the first regional workshop and was held in Kisumu, Kenya between 23<sup>rd</sup> and 26<sup>th</sup> November 2020. It was a blended conference given the travel restrictions occasioned by the Covid-19 pandemic.

During the conference, among other aspects, participants were introduced to transdisciplinary (TD) research and how UPSCALE will operate in TD using MACs. Connected to this was engagement and planning on MAC formation and coordination, selection of national MAC Management Committees, setting the terms of reference (TOR) for the MACs, and agreeing on the schedules of activities. A wide cluster of stakeholders was identified to constitute the MACs for each country, including project partners, stakeholders and multi-actor networks working in sustainable intensification.

In order to enhance the effectiveness of deliberations during the conference, project partners conducted a Dry Run Conference between 3<sup>rd</sup> and 4<sup>th</sup> November 2020. The purpose of the Dry Run was to test the effectiveness of the web-conferencing technology among partners, to present an overview of the different work packages and to let partners familiarise with each other.

From the Kick-Off Conference, each national coordinator in UPSCALE<sup>1</sup> was tasked to organise alongside MU the national MAC for each country/study region. As a result, national MACs have been formed within the first 6 months of the project in Uganda, Kenya, Rwanda and Tanzania. Due to various restrictions, Ethiopia is yet to hold its first national MAC workshop, which will officialise the list of MAC participants identified for this country. The subsequent sections describe the identity and structure of national MACs, composition of MAC Coordination Committees, MAC TORs, planned activities and links to existing platforms, projects and programmes.

## 2 Identity and Structure of MACs

MACs comprise a number of stakeholders. These include UPSCALE partners, higher education institutions, farmers and farmer organizations, research and extension, policymakers, co-operatives /associations, financial institutions/intermediaries, government agencies of local and federal governments, insurance providers, agro-dealers/agro-vets, processors, distributors/market chains, consumers, and non-governmental organisations (NGOs). The membership is drawn from participants along various push-pull technology (PPT) products' value chains. MAC identity tends to vary according to country-specific characteristics.

In terms of structure, for each country, the national coordinator plays a critical role in constituting the MAC. The national coordinator works with other UPSCALE partners and their own networks in identifying stakeholders, several of which were listed in the UPSCALE Grant Agreement. When the MAC is formed, the national coordinator becomes an automatic member of the MAC Management team. The MAC Management team implements the TD research and development activities by holding meetings, workshops, conferences, events etc. The national coordinator links the MAC to other WPs within the UPSCALE project as well as with other existing platforms, projects and programmes. These

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<sup>1</sup> UPSCALE National Coordinators are the following beneficiaries by country (see details of the role of National Coordinator in the UPSCALE Grant Agreement): icipe (Kenya), FH (Rwanda), TARI (Tanzania), NARO (Uganda), ISD (Ethiopia)

MAC structures are dynamic and will evolve throughout the project with likely addition of relevant members according to co-identified challenges and issues.

The subsequent paragraphs detail the MAC identity for each country. Thereafter, the remainder of the report focusses on MAC Management Committees, TOR, schedule of activities and links to other platforms.

## 2.1 Uganda

NARO, the UPSCALE national coordinator for Uganda organised a national MAC workshop on 17<sup>th</sup>-18<sup>th</sup> March 2021 at Mum's Resort Hotel, Iganga, Uganda. MU facilitated the two-day workshop. The 26 stakeholders who attended the workshop and constituted the national MAC for Uganda are presented in Table 1. They include 22 external members and 4 UPSCALE beneficiaries. The membership of MAC includes UPSCALE project partners, farmers' federation and cooperative societies, agribusinesses, federal and local governments, NGOs, higher education institutes and research institutes.

**Table 1: Uganda National MAC Membership**

No.	Stakeholder Type	Stakeholder Name
1.	UPSCALE Partners	<ul style="list-style-type: none"> <li>• <i>icipe</i></li> <li>• Maseno University (MU)</li> <li>• NARO</li> <li>• EAFF</li> </ul>
2.	Farmers' Federation and Cooperative Societies	<ul style="list-style-type: none"> <li>• Uganda National Farmers Federation (UNFFE)</li> <li>• Kamuli Nakulyaku Farmers</li> <li>• Kamuli District Farmers Association (KDF)</li> <li>• Nawaningi Integrated Grains Farmers' Cooperative Society Limited</li> <li>• Kamuli Ena Cooperative Enterprise</li> <li>• Nakalokwe Young Farmers Association</li> <li>• Bugeru Town Council Akanabala Oil Seed Farmers Cooperatives</li> </ul>
3.	Agribusiness/processors	<ul style="list-style-type: none"> <li>• Keith Associates Ltd.</li> <li>• NALG Agribusiness Centre</li> </ul>
4.	Federal and Local Government	<ul style="list-style-type: none"> <li>• Iganga District Local (Production Department)</li> <li>• Namutumba District Local Government</li> <li>• Kamuli District Local Government</li> <li>• Iganga District Local Government</li> <li>• Ministry of Agriculture Animal Industry Fisheries</li> </ul>
5.	NGO	<ul style="list-style-type: none"> <li>• Association of Uganda professional women in agriculture and environment (AUPWAE)</li> <li>• One Acre Fund</li> <li>• O-Omulumisa Innovative Agricultural Services.</li> <li>• Iyukula Women Development and Aids Initiative.</li> <li>• The Hunger Project, Uganda</li> </ul>
6.	Higher education and research	<ul style="list-style-type: none"> <li>• Busitema University</li> <li>• Kabale University</li> </ul>
7.	Research Institutes	<ul style="list-style-type: none"> <li>• Mbarara Zonal Agricultural and Research Institute</li> </ul>



## 2.2 Kenya

The national coordinator for Kenya, *icipe*, organised a national MAC workshop on 3<sup>rd</sup>-4<sup>th</sup> May 2021 at Kisumu Hotel/Maseno University, Kisumu, Kenya. MU facilitated the two-day workshop. The 38 stakeholders who attended the workshop and constituted the national MAC for Kenya are presented in Table 2. They include 33 external members and 5 UPSCALE beneficiaries. The membership of MAC includes UPSCALE project partners, commercial banks, microfinance institutions, farmers' federation and cooperative societies, processors, aggregators, agro-dealers, county governments, NGOs, seed companies and farmers' self-help groups.

**Table 2: Kenya National MAC Membership**

No.	Stake Holder Type	Stakeholder Name
1.	UPSCALE Partners	<ul style="list-style-type: none"> <li>• <i>Icipe</i></li> <li>• Maseno University (MU)</li> <li>• KALRO</li> <li>• JKUAT</li> <li>• EAFF</li> </ul>
2.	Financial Institutions-Banks	<ul style="list-style-type: none"> <li>• Equity Bank</li> <li>• KCB</li> <li>• ABSA</li> </ul>
3.	Financial Institutions-Microfinance Institutions	<ul style="list-style-type: none"> <li>• FAULU Microfinance Bank LTD</li> <li>• SMEP Microfinance Bank</li> <li>• Vision Fund Kenya</li> </ul>
4.	Farmers' Federation and Cooperative Societies	<ul style="list-style-type: none"> <li>• Kenya National Farmers Federation (KENAFF)- Kisumu</li> <li>• KENAFF- Homabay</li> <li>• KENAFF- Migori</li> <li>• KENAFF- Vihiga</li> <li>• Cereal Growers Association (CGA), Kakamega</li> </ul>
5.	Processors	<ul style="list-style-type: none"> <li>• Rich Grain Millers</li> <li>• Wamima Enterprises</li> </ul>
6.	Aggregator	<ul style="list-style-type: none"> <li>• Agri-Bora</li> </ul>
7.	Agrodealers	<ul style="list-style-type: none"> <li>• Awendo Agrovet</li> </ul>
8.	Government extension	<ul style="list-style-type: none"> <li>• Department of Agriculture, Kisumu County</li> </ul>
9.	NGOs	<ul style="list-style-type: none"> <li>• One Acre Fund</li> <li>• Western Regional Alliance for Technology Evaluation (WeRATE)</li> <li>• Send A Cow</li> <li>• World Vision</li> </ul>
10.	Seed Companies	<ul style="list-style-type: none"> <li>• Advantage Seed Company</li> <li>• Kenya Seed Company</li> </ul>
11.	Farmer Self-Help Groups	<ul style="list-style-type: none"> <li>• Ropa Women Group - Homabay county</li> <li>• Hosrand Dairy Farmers Cooperative Society - Homabay county</li> <li>• Ukaford Self Help Group, Homabay</li> <li>• Otit Self Help Group, Siaya county</li> <li>• Sigomre Organic Agriculture Program (SOAP), Siaya county</li> <li>• Ndira Farmers Group, Siaya county</li> <li>• Onyatta Push pull farmers, Siaya county</li> <li>• Yenga Self Help Group, Kisumu County</li> </ul>

- Kosia Self Help Group, Kisumu county
- Maseno Disabled Group, Vihiga county
- Meso Self Help Group, Vihiga county

## 2.3 Rwanda

Food for the Hungry (FH), the national coordinator for Rwanda organised an inception meeting on 11<sup>th</sup> December 2020. Thereafter a national MAC workshop was held on 6<sup>th</sup> May 2021. This was attended virtually by the MU team. The 32 stakeholders who attended the workshop and constituted the national MAC for Rwanda are presented in Table 3. They include 29 external members and 3 UPSCALE beneficiaries. The membership of MAC includes UPSCALE project partners, financial institutions intermediaries, insurance providers, farmers and farmer organization, processors, agro dealers/agro vets, policy makers/government, local and federal government, NGOs, cooperatives and associations, higher education institutions, research and extensions, distributors/market chain actors, consumers federation and mass media/newspaper.

**Table 3: Rwanda National MAC Membership**

No.	Stake Holder Type	Stakeholder Name
1.	UPSCALE Partners	<ul style="list-style-type: none"> <li>• Food for the Hungry (FH) (National Coordinator)</li> <li>• Rwanda Agricultural Board (RAB)</li> <li>• Maseno University (MU)</li> </ul>
2.	Financial Institutions intermediaries	<ul style="list-style-type: none"> <li>• Bank of Kigali (BK)</li> </ul>
3.	Insurance providers	<ul style="list-style-type: none"> <li>• RADIANT</li> </ul>
4.	Farmers and farmer organization	<ul style="list-style-type: none"> <li>• IMBARAGA</li> <li>• EAGC- East African Grain Council</li> <li>• RNDP- Rwanda National Dairy Platform</li> <li>• ABADATEZUKAKUMURIMO</li> <li>• WISIGARAMWITERAMBERE</li> <li>• ABISHYZEHAMWE</li> </ul>
5.	Processors	<ul style="list-style-type: none"> <li>• Africa Improved Food</li> <li>• SOSOMA/ DUHAMIC-ADRI</li> </ul>
6.	Agro dealers/Agro vets	<ul style="list-style-type: none"> <li>• AGRA CARE LTD</li> <li>• Rwanda Agriculture Inputs Dealers Association (RAIDA)</li> </ul>
7.	Policy makers/Government	<ul style="list-style-type: none"> <li>• Ministry of Agriculture and Animal Resources (MINAGRI)</li> </ul>
8.	Local and federal government	<ul style="list-style-type: none"> <li>• GATSIBO District, Agriculture &amp; Natural Resources</li> </ul>
9.	NGOs	<ul style="list-style-type: none"> <li>• DUHAMIC-ADRI</li> <li>• Rwanda Development Organization (RDO)</li> <li>• Health Relief and Development Organization (HRDO)</li> <li>• Sustainable Agriculture for Food and Economic Development (SAFE)</li> <li>• RECOR</li> <li>• Send a Cow</li> </ul>
10.	Cooperative and association	<ul style="list-style-type: none"> <li>• ABAKUNDAKURIMA</li> <li>• ABABERARUGO</li> </ul>
11.	Higher Education Institutions	<ul style="list-style-type: none"> <li>• University of Rwanda</li> </ul>
12.	Research and extensions	<ul style="list-style-type: none"> <li>• INADES Formation Rwanda</li> <li>• Sustainable Agriculture for Food and Economic Development (SAFE)</li> </ul>
13.	Distributors/ Market chain	<ul style="list-style-type: none"> <li>• Private Sector Federation (PSF)</li> </ul>

14.	Consumer Federation	<ul style="list-style-type: none"> <li>• Association des Consommateurs du Rwanda (ADECOR)</li> </ul>
15.	Mass Media/Newspaper	<ul style="list-style-type: none"> <li>• The Bridge</li> <li>• REBERO.CO.RW</li> </ul>

## 2.4 Tanzania

TARI, the national coordinator for Tanzania organised a national MAC workshop held on 21<sup>st</sup> May, 2021 at the Agro-forest Training Centre (AICT)-Mara, Tanzania. MU facilitated the workshop. The 17 stakeholders who attended the workshop and constituted the national MAC for Tanzania include 15 external stakeholders and 2 UPSCALE beneficiaries, presented in Table 4. The membership of MAC includes UPSCALE project partners, NGOs, youths, financial service providers, cooperatives, insurance providers, farmers, extension service providers, agro-dealers, faith communities and policy makers.

**Table 4: Tanzania National MAC Membership**

No.	Stake Holder Type	Stakeholder Name
1.	UPSCALE Partners	<ul style="list-style-type: none"> <li>• TARI</li> <li>• Maseno University (MU)</li> </ul>
2.	Local Government Authority	<ul style="list-style-type: none"> <li>• Tarime District Council</li> <li>• Butiama District Council</li> <li>• Bunda Town Council</li> <li>• Rorya District Council</li> </ul>
3.	Farmers and farmer organization	<ul style="list-style-type: none"> <li>• Kikundi Umoja</li> <li>• Hamasa Group</li> </ul>
4.	Agro dealers/Agro vets	<ul style="list-style-type: none"> <li>• Mwalimi J. K. Nyerere Farm</li> </ul>
5.	Policy makers/Government	<ul style="list-style-type: none"> <li>• Regional Commissioner Office</li> </ul>
6.	Religious (Faith-Based) Organisation	<ul style="list-style-type: none"> <li>• ELCT (Evangelical Lutheran Church in Tanzania- East of Lake Victoria</li> <li>• Africa Inland Church (AICT)- Diocese of Mara and Ukerewe</li> </ul>
7.	NGOs	<ul style="list-style-type: none"> <li>• Mogabiri Farm Extension Centre (MFEC)</li> <li>• One World Sustainable Livelihood (OWSL)</li> </ul>
8.	Company	<ul style="list-style-type: none"> <li>• Mara Agric-Link International Limited</li> </ul>
9.	Financial service providers	<ul style="list-style-type: none"> <li>• Tanzania Postal Bank</li> </ul>
10.	Cooperatives	<ul style="list-style-type: none"> <li>• Cotton-Mara Cooperatives</li> </ul>

## 2.5 Ethiopia

Ethiopia is yet to hold a MAC workshop due to elections and political tensions in the country. ISD the national coordinator however held three inception meetings during April 2021, which mobilized over 130 Ethiopian farmers to implement the push-pull technology and lay the groundwork for efficient MAC formation as soon as the political situation allows. Attendees included farmers, Board of Agriculture (BoA) officials and agricultural-extension officials from respective Woredas (districts), development agents from the region and ISD staff. The meetings took place at Shewarobit city, Qawot Woreda (13/04/2021), Dewa Chefa and Artuma Fursi Woreda (13/04/2021) and Kalu Woreda (21/04/2021). Already planned members of the Ethiopia MAC to be confirmed and to establish the MAC management committee in the corresponding workshop are listed in Table 5. Planned participants include 22 external stakeholders and 2 UPSCALE beneficiaries.

**Table 5: Ethiopia National MAC Membership**

No.	Stake Holder Type	Stakeholder Name
1.	Researchers/ Higher Education	• Ethiopian Institute of Agricultural Research(EIAR)
2.	Farmers	• 3 Representative farmers from the UPSCALE project Woredas
3.	UPSCALE partners	• ISD • Maseno University (MU)
4.	Research and extension	• Amhara Bureau of Agriculture
5.	Policymakers	• Federal Ministry of Agriculture
6.	Cooperatives /Associations	• Federal Cooperative Agency
7.	Financial institutions/intermediaries	• Development Bank of Ethiopia • Swedish Society for Nature Conservation (SSNC)
8.	Government agencies	• South Wollo zone Department of Agriculture
9.	Local and federal governments	• Bureaus of Agriculture from Oromia and Southern Nations Nationalities Peoples Regional State
10.	Insurance providers	• Nyala Insurance
11.	Agro-dealers/agrovets	• Agricultural inputs Supply Directorate under ministry of Agriculture • Ethiopian Agribusiness corporation
12.	Processors	• Oromia Farmers cooperatives
13.	Distributors/market chains	• Ethiopian Commodity Exchange /ECX/Agency
14.	Consumers	• Ethiopian consumer Rights Protection Authority
15.	NGOs	• PELUM-Ethiopia • MELCA-Ethiopia • PAN-Ethiopia

### 3 MAC Management Committees

During the national MAC formation workshops, each country selected MAC Management Committees to oversee country MAC activities. The committees subsequently selected their chairpersons and secretaries to provide leadership. Some stakeholders were not represented during the national MAC formation workshops. These were to be followed up by the national coordinators for representation in the MAC management committees. The respective national MAC management committee members for Uganda, Kenya, Rwanda and Tanzania are presented in Tables 6-9. The national MAC management committee members are as follows: Uganda-9, Kenya-10, Rwanda-10, Tanzania-9 while Ethiopia is yet to select its MAC committee.

**Table 6: Uganda National MAC Management Committee**

S. No	Management Position	Stakeholder Type	Organization	Name of Representative
1.	National Coordinator Representative	UPSCALE partner	NARO	Dr. Michael Otim (M)
2.	Chairman	Government Agency	Principal Agricultural Officer, MAAIF	Mr. Stephen Magume (M)
3.				Mr. Richard Msenero (M)
4.	Secretary	NGO	Association of Uganda professional	Ms. Adeline Muhegwa (F)

			women in agriculture and environment (AUPWAE)	
5.	Member	Farmers Cooperatives	Bugeri Town Council Akanabala Oilseed Farmers Area Cooperative	Mr. Moses Kidaghole (M)
6.	Member	Higher Education	Kabale University	Dr. Prossy Ntakyo (F)
7.	Member	Media	Nation TV (Media)	Mr. Daniel Nsima (M)
8.	Member	Agribusiness	NALG Agribusiness Centre	Mr. Moses Balikowa (M)
9.	Member	NGO	One Acre Fund	Mr. Cosmas Buyinza (M)

**Table 7: Kenya National MAC Management Committee**

S. No	Management Position	Stakeholder Type	Organization	Name of Representative
1.	National Coordinator Representative	UPSCALE partner	<i>icipe</i>	Mr. Jimmy Pittchar (M)
2.	Chairman	Higher Education Institution	JKUAT	Dr. Shem Kuyah (M) <sup>2</sup>
3.	Secretary	Research and Extension	KALRO	Dr. Alice Murage (F)
4.	Treasurer	Financial institutions	Vision Fund	Caroline Kariuki (F)
5.	Member	Farmers direct interest representation	SOAP	Paskaliah Shikuku (F)
6.	Member	Farmer Advocacy Groups	KENAFF	Khalif Ochieng (M)
7.	Member	Farming systems advisory (NGOs)	Cereal Growers Association	Elizabeth Onyango (F)
8.	Member	Women/youth/persons living with disabilities	Maseno People Living with Disabilities	Mary Atemo (F)
9.	Member	Input suppliers	Awendo General Stores-Agrovet	John Okelo (M)
10.	Member	Risk management agents (e.g. insurance)	Equity Bank	Anthony Kombo (M)

**Table 8: Rwanda National MAC Management Committee**

S. No	Management Position	Stakeholder Type	Organization	Name of Representative
1.	Chairman	Local and federal government	GATSIBO District	Ernest NSIGAYEHE (M)
2.	Deputy Chairperson	Agro dealers/Agro vets	Agriculture & Animal Health Care (AGRA CARE) Ltd	Jean d' Arc NYARUYONGA (F)

<sup>2</sup> The chairman of the Kenya MAC management committee has requested to step aside due to family reasons. The National Coordinator is working on a modality to fill this position.

1.	Secretary	UPSCALE Partner	FH	Didier NKUBITO
2.	Member	Research	University of Rwanda	Jean Pierre NIYONZIMA (M)
3.	Member		Farmers' association	Jean Baptiste SENZOGA (M)
4.	Member	Insurance provider	RADIANT	Christophe MUNYAKAYANZA(M)
5.	Member	Farmers' federation	IMBARAGA	Jacques MUNYANEZA (M)
6.	Member	CSO/ Extension	RDO	Leon Fidele MUGISHA (M)
7.	Member	Financial Institution	BK	Alexis BIZIMANA (M)
8.	Member	Consumer protection	ADECOR	Olivier RUKUNDO (M)
9.	Member	Government	MINAGRI	Octave NSHIMIYIMANA,
10.	Member	UPSCALE Partner	RAB	Germain NKIMA

**Table 9: Tanzania National MAC Management Committee**

S. No	Management Position	Stakeholder Type	Organization	Name of Representative
1.	National Coordinator Representative	UPSCALE partner	TARI	Dr. Ignath Rwiza (M)
2.	Chairperson	NGO	One World Sustainable Livelihood (OWSL)	Dr. Emmanuel Sokombi (M)
3.	Vice Chairperson	Farmers	Farmer	Ms Mwajuma Shaban (F)
4.	Secretary	Extension	Bunda District Council	Ms Adelina Mfikwa (F)
5.	Member	NGO/Youth	Mgabiri Farm Extension Centre (MFEC)	Wilbard Makoko (M)
6.	Member	Agro-dealers		Obedient Kasaizi (M)
7.	Member	Faith Communities	Evangelical Lutheran Church Tanzania-Mwanza	Rogath Mollel (M)
8.	Member	Policy makers	MARA Regional Office	Ruge Kelvin (M)
9.	Member	TARI-Technology Transfer Partnerships	Tanzania Agricultural Research Institute (TARI)-Ukiriguru	Dr. George Sonda (M)

## 4 MAC Terms of Reference

The MAC terms of reference were proposed during the Kick-Off Conference. As the national MACs are formed, these TORs are being domesticated and refined to suit respective countries' situation. Eight terms of reference have been identified and specified as:

1. To raise/conduct campaign awareness for stakeholders to better understand PPT and its benefits.
2. To upscale push-pull technology in *[country: Kenya/Uganda/Rwanda/Tanzania/Ethiopia]* starting with the *[specify specific study region]*.
3. To organize PPT activities (Dissemination, farmer trainings, research, knowledge building, policy, advocacy) jointly with other stakeholders.

4. To determine roles and responsibilities as well as levels of engagement with transdisciplinary MACs.
5. To identify effective marketing channels by linking producers to markets.
6. To set specific terms of reference for workshops
7. To organize annual and quarterly national MAC workshops and meetings (set agenda; propose logistics and invite participants).
8. To perform any other duty as determined by the project & national coordinator according to ongoing needs of the project and the MAC.

## 5 Planned Schedule of Activities

Regional, national and smaller in-country MAC meetings are planned over the lifetime of the project. The regional meetings will be coordinated by EAFF and the national meetings by the national coordinators. The smaller in-country meetings and events will be coordinated by the national MAC Management Committee.

The regional meetings will be held in conjunction with the yearly project management meetings (WP9). The meetings will facilitate TD research and cooperation, knowledge sharing and mutual problem solving in the context of participatory research (WP4, 5, 6), value chain mapping (WP7) and large-scale dissemination (WP8).

### 5.1 Regional MAC Meetings

Five regional meetings are planned. A regional meeting will be held once in each country. The Kick-Off Conference in Kenya served as Kenya's regional meeting as well. The other regional meetings are planned as follows:

1. Kenya- year 1 (November 2020)
2. Tanzania- year 2 (January 2022)
3. Uganda- year 3 (2023)
4. Rwanda- year 4 (2024)
5. Ethiopia- year 5 (2025)

The specific dates will be determined by the consortium ca. 4-5 months ahead of meetings.

### 5.2 National MAC Meetings

For each country, a national MAC meeting is planned annually. This brings a total of 25 planned national MAC meetings during the period of the project. Restrictions resulting from Covid-19 pandemic do not permit fixing meeting dates in advance. The national MAC meeting for the country hosting the regional MAC meeting will be held in conjunction.

### 5.3 MAC In-Country Meetings

MAC in-country meetings are scheduled on a quarterly basis after the formation meeting. These meetings culminate in the national MAC meeting. These meetings are aimed at executing planned events and activities. These meetings can be run/initiated by stakeholders connected to the project.

## 6 Links to Existing Platforms

MACs are linked with the following platforms, with which the flow of information benefits the implementation of effective transdisciplinary and knowledge-building practices in the MACs and in



related SI projects outside UPSCALE. The platforms listed below foster exchange and network expansion of the MACs at regional to international levels. Further platforms will be added during the project lifetime. MU leads coordination of these platforms with activities in the MACs and ensures information flow between the two, including 1) enabling direct involvement of platform members as experts or stakeholders in relevant MACs mainly at the regional level, and 2) sharing insights from UPSCALE MACs and other clustered projects in order to optimize efficiency of activities in clustered projects and ensure clear and coordinated messaging at the level of international policy-making.

## 6.1 LEAP4FNSSA: Long-term Europe-Africa Research and Innovation Partnership for Food and Nutrition Security and Sustainable Agriculture

LEAP4FNSSA is a Coordination and Support Action (CSA) whose main objective is to provide a tool for European and African institutions to engage in a Sustainable Partnership Platform for research and innovation on Food and Nutrition Security, and Sustainable Agriculture (FNSSA)<sup>3</sup>. LEAP4FNSSA aims to achieve its objectives through (i) increased synergies and coherence between actors, research and innovation projects, initiatives and programmes, through the development of institutional alliances and clusters of projects; (ii) an enhanced learning environment and large knowledge base, including monitoring and evaluation activities, and established communication and links between different initiatives in order to improve European-African cooperation in Science, Technology and Innovation (STI); and (iii) well-established long term sustainable partnership and co-funding mechanism. UPSCALE is a member of the LEAP4FNSSA cluster and project database and participated in the initial clustering meeting of the partnership (18/11/2020).

## 6.2 Projects of the same call: Soils4Africa<sup>4</sup>, EWA-Belt<sup>5</sup>, SustIn-Africa<sup>6</sup>, SustainSAHEL<sup>7</sup>, AfriCultures<sup>8</sup>

UPSCALE is participating in the clustering of projects funded under scope A and B of the H2020 call SFS-35-2019-2020 through regular discussion and coordination of efforts. A series of meetings have taken place with other projects of the call since the start of the project in November 2020 (2/11/2020 coordinated by Soils4Africa, 18/11/2020 as part of the LEAP4FNSSA 1<sup>st</sup> clustering event, 22/06/2021 coordinated by EWA-Belt), and through combined participation in the UN Food Systems Summit's 'Independent Dialogues' on 19/06/2021. In this framework, UPSCALE partners and projects of the same call are fostering and strengthening coordination, common goals and broad impact and visibility of outputs of the involved projects, as well as building the effectiveness and network of the MACs.

## 6.3 PAEPARD: Platform for an Africa-Europe Partnership for Agricultural Research for Development (PAEPARD)<sup>9</sup>

PEAPARD aims to facilitate multi-stakeholder Africa-Europe partnerships in the field of agricultural research for development (ARD) with a view to contributing to the achievement of the Sustainable Development Goals (SDGs). PAEPARD facilitates partnerships between UPSCALE and farmer

<sup>3</sup> [About | Leap4fnssa](#)

<sup>4</sup> [Soils4Africa: Soil Information System for Africa \(wur.nl\)](#)

<sup>5</sup> <https://www.ewabelt.eu/>

<sup>6</sup> <https://cordis.europa.eu/project/id/861924>

<sup>7</sup> <https://www.sustainsahel.net/>

<sup>8</sup> <http://africultures.eu/>

<sup>9</sup> [PAEPARD: Platform for an Africa-Europe Partnership for Agricultural Research for Development \(wur.nl\)](#)



organizations, civil society groups, research institutes and education institutes, private companies and policy networks; supports this partnership through capacity strengthening and providing access to information on funding opportunities; helps UPSCALE partners to prepare strong research proposals which will address real needs at the farm level; and advocates for increased support for demand-led, multi-actor agricultural research.

## 6.4 E-Granary platform

EAFF as an UPSCALE partner links MACs to the network of the eGranary platform, a smart- and cell phone app run by EAFF to ensure credit and market access as well as use of Good Agricultural Practices by farmers. Through a direct push messaging system, the app informs and connects users to agricultural extension information, microcredit financing services and other infrastructure. It thereby represents an important platform for MAC exchange and co-learning of region-specific challenges and opportunities for push-pull expansion with a perspective along the whole value chain.