



Food and Agriculture
Organization of the
United Nations



**Joint Actions on Operationalization of the
Framework for Sustainable Agricultural Mechanization in Africa (F-SAMA)**

WEBINAR No. 14:

**Scaling Conservation Agriculture in Africa: Contextual Innovations for Closing
the Research to Impact Gaps**

Tuesday, 23rd July 2024; Time: 06:00 – 08:00 am (GMT)

Moderator



Paswel Marenya holds the position of principal scientist and is the Associate Director (a.i) for Africa in the Sustainable Agrifood Systems program at CIMMYT based in Nairobi, Kenya. With a background in agricultural economics, he has over 15 years of continuous research and early teaching experience focused on the sustainable intensification of smallholder agricultural systems in Eastern and Southern Africa. Through micro-level approaches, his work has covered policy and market enablers for agricultural growth, gender equity in input use, and preferences in smallholder agricultural policy. Marenya earned his degrees in applied economics (MSc), natural resources policy (PhD), from Cornell University and agricultural economics (MSc) from the University of Nairobi. As a leader of multi-country projects and an author of many publications in peer-reviewed journals, Marenya's contributions have significantly advanced our understanding of the pathways to sustainable agricultural intensification including those based on CA systems.

Speakers



Sieglinde Snapp is perhaps best known as the “mother” of the mother and baby trial design, used to engage farmers in development and co-learning about conservation agriculture and crop improvement around the globe. She is Program Director of the Sustainable Agrifood Systems Program at CIMMYT, El Batan, Mexico, and adjunct Professor of Soils and Cropping Systems Ecology at MSU. She leads a team of >100 interdisciplinary scientists working with partners on sustainable intensification, with a \$120M portfolio of programs serving smallholder farmers. Snapp pioneered discovery of crop functional diversity and management practices for soil carbon and nitrogen efficiency gains, for climate-resilient, environmentally friendly pathways out of food insecurity. She has published >170 articles, three books, and awarded International Service in Agronomy, Fellow in Agronomy & Soil Sci. Soc. America, MSU's Beal Outstanding Professor, Academic Advancement Fellow, Hudzik Leader in International Studies & Fulbright Fellow. @Sieg_SAS



Rachid Moussadek is Senior Scientist- Specialist in Soil and Sustainable Intensification, Joint Researcher at ICARDA/INRA and Chair of FAO-Global Soil Partnership/GSP-NENA in collaboration with a soil R/D consortium including ICARDA/INRA/GSP UM6P. He received his Ph.D. in Sustainable Land Management from Ghent University (Belgium) with a DES on Agro-climatology from Liege University (Belgium) and Master in Soil sciences from IAV HII. During his 25 years career, the main topics of his research were related to Soil-Climate-Cropping system (Conservation Agriculture, soil health and rehabilitation, soil fertility mapping and sustainable management, soil carbon sequestration in conservation

farming systems in relation with climate change modeling). He has published more than thirty papers in peer-referred journals and presented his research results at various congress and scientific meetings. He coordinates several international and national projects (EU projects, OCP, CRDI, ICARDA, OADA, ...), expert for various funding institutions and private sector on (CSA) Climate Smart Agriculture (WB, GIZ, IFAD). He advised MSc and PhD students from Moroccan and European universities. He is currently advising 7 MSc and 4 PhD students on Conservation Agriculture, Soil Health and Land Suitability. He is a reviewer for different journals in soil management and environment topics.



Klaus Doppelmann works as independent consultant in agricultural and rural development, currently based in Johannesburg, South Africa. His main research interests revolve around climate smart smallholder farming systems, technology uptake, capacity development and agricultural policy processes. Klaus gained a wealth of experience as development practitioner, process facilitator, educator and in applied agricultural research. Prior to his work as independent consultant, Klaus assisted in setting up and, subsequently, headed IFPRI's country program in Malawi. From 2001 to 2009, he held various positions with the German Development Cooperation in Zambia, focusing on institutional capacity strengthening of farmer organizations and consultative policy formulation processes. Klaus studied tropical plant production at the University of Hohenheim in Germany graduating in 1993. He holds a PhD from the University of Bayreuth, specializing in water-harvesting technologies for annual cereal and agro-forestry systems in Israel and Kenya.



Reynold Shula is the Chairperson of the African Conservation Agriculture Network (ACT) management Board and Chairperson of the Rural Economic Expansion Services Limited (REES) Board. He is also a Board member for the PANOS Southern Africa Institute and past Country Representative for the World Association of Soil and Water Conservation (WASWC). Mr. Shula is a retired civil servant with more than 40 years of public service and programme management experience in natural resources management, integrated land use planning; sustainable land management, conservation agriculture, agronomy and climate change adaptation and mitigation initiatives and negotiations, including more than 25 years' experience in consultancy work in sustainable agriculture/natural resources management approaches and technologies, conservation agriculture, land and water management technologies and integration of participatory concepts and approaches in agricultural land utilisation, climate change discourse and staff training among others. He holds an MSc, Natural Resources Management (Land Resource Major), Cranfield University at Silsoe, Bedford, United Kingdom.



Nawfel Roudies is the Head Business Unit Al Moutmir - Mohammed VI Polytechnic University. He has more than 20 years' experience in the fields of agriculture, food security and broader sustainable rural development with an integrated and territorial approach in Morocco, sub-Saharan Africa and Asia.



Philip Wanjohi is currently the Head of Administration, Business Development & Partnerships at the African Conservation Tillage Network (ACT), Nairobi, Kenya. In this role, he supports the network finance management, project grant management, administration, business development and strategic partnerships. He has over fifteen years international experience in managing multi-donor, multi-partner, multi-country funding as well as expertise in managing the fiduciary and reporting requirements of development partners. In his business development and partnership role, he has been a key contributor to the development and roll out of multi-stakeholder platforms including the Africa Congress on Conservation Agriculture and the virtual Sustainable Agricultural Mechanization AfricaMechanize Platform www.africamechanize.org being used for knowledge and information sharing, partnership and networking of SAM stakeholders in Africa. In the past, Philip has been engaged in advisory and management consulting for World Agroforestry Centre (ICRAF), World Council of credit Unions (WOCCU), Kenya Business Development Services program (Kenya BDS) and in the manufacturing industry.



He is a finance business partner and holds a Bachelor of Science (Hons) in Applied Accounting from Oxford Brookes University (UK).

Hambulo Ngoma is a Development Economist with research interests spanning the development-environment nexus. He leads or co-leads socio-economic components of several projects on sustainable intensification, conservation agriculture, scaling and mechanization in Southern Africa, mainly in Malawi, Tanzania, Zambia, and Zimbabwe. His current research is focused on adoption, scaling, and impact assessment, with special interest in nudging agricultural technology adoption. He is formerly a Postdoctoral Associate of the Department of Agricultural, Food and Resources Economics of Michigan State University and a Research Fellow and Lead of the Climate Change and Natural Resource Management thematic area at the Indaba Agricultural Policy Research Institute (IAPRI) in Lusaka, Zambia. He holds a PhD in Applied Economics from the School of Economics and Business, Norwegian University of Life Sciences, an MSc in Applied and Agricultural Economics from the University of Malawi and a BSc in Agricultural Economics from the University of Zambia.

Webinar 11 Organizing Committee



Josef Kienzle is currently leading the sustainable agricultural mechanization group in the Plant Production and Protection Division of the Food and Agriculture Organization of the United Nations (FAO), based in Rome. Mr Kienzle's work emphasizes the crucial role of farm power, innovative and efficient mechanization solutions and the importance of appropriating them to the context of smallholder farmers in developing countries. His work also highlights the important role that the public and private sectors play in mechanization input supply chains and capacity building for mechanization service providers.



Joseph Mpagalile is an Agricultural Engineer and a member of the sustainable agricultural mechanization group in the Plant Production and Protection Division (NSP) of the Food and Agriculture Organization of the United Nations (FAO), based in Rome. He works on mechanization along the value chain (production, post-harvest handling, value addition, agro-processing and logistics). Until recently, he was out-posted at the FAO Regional Office for Africa (RAF) in Accra. In the past, he worked as an Agro-Industry Officer (Value Addition and Logistics) in the then Rural Infrastructure and Agro-Industries Division of FAO.



Nomathemba Mhlanga-Akubia has been with FAO since 2008. She was first based in the FAO HQ in Rome, Italy and moved to the sub-regional Office for Eastern Africa (SFE) in 2016. In the sub-region, she leads the organization's normative and field programme on agribusiness/value chain development, that touches on youth in agriculture, post-harvest management, agro-processing and agricultural finance/investment. Before joining FAO, she worked as a Research Officer at ICRISAT's Socio-Economics and Policy Programme. Noma was the FAO lead technical officer for the development of the SAMA Framework.



Professor Afeikhena Jerome has over two decades' experience working on policy issues in Africa. He is currently Special Advisor to the Commissioner for Rural Economy and Agriculture, African Union Commission, Addis Ababa, Ethiopia as well as Visiting Professor of Economics at Igbinedion University, Okada, Nigeria. He has held several distinguished positions including Visiting Scholar, International Monetary Fund; Visiting Fellow, the World Bank; and Senior Associate Member, St. Anthony's College, Oxford University. He has consulted extensively for the World Bank, African Development Bank, FAO, UNIDO, Brookings Institute and ACBF.



Saidi Mkomwa is the Executive Director of the African Conservation Tillage Network (ACT). As CEO of ACT, Saidi has efficiently managed development projects supporting smallholders in Burkina Faso, Ethiopia, Kenya, Niger, Tanzania, Uganda and Zimbabwe with development partners including AGRA, CFGB, COMESA, European Union, FAO, IFAD and NORAD. Previously, Saidi worked with the Ministry of Agriculture in Tanzania as Senior Agricultural Engineering Researcher. He is the coordinator of the Africa-Mechanize Platform Secretariat supporting knowledge management, capacity building and Networking in operationalization of the Framework for Sustainable Agricultural Mechanization in Africa (F-SAMA).



Geoffrey Mrema is a Professor of Agricultural Engineering at the Sokoine University of Agriculture in Morogoro, Tanzania. He also serves as a technical advisor to the African Conservation Tillage Network under the Africa-Mechanize Platform Secretariat. He retired from the FAO in April 2011 where he had been working as the Director of the Rural Infrastructure and Agro-industries Division at its headquarters in Rome Italy from 2001-2011 with two years [2005-06] serving as the FAO Representative in Eastern and Southern Africa based in Harare, Zimbabwe. Prior to joining FAO in 2001, he had served as the first CEO of ASARECA [1995-2001]. During 2016/18 he served as a senior adviser to FAO and AUC on developing the Framework for Sustainable Agricultural Mechanization in Africa [SAMA].



ElHassane Bourarach is a technical advisor of the African Conservation Tillage Network serving in the Africa-Mechanize Platform Secretariat supporting knowledge management, capacity building and networking in operationalization of the Framework for Sustainable Agricultural Mechanization in Africa (F-SAMA). He is a former teacher and researcher at the Agronomic and Veterinary Institute Hassan II (Dr. Ing.) (1980-2019). He is honorary vice president of the International Commission of Rural Engineering (CIGR), founding member of the Moroccan Association for Conservation Agriculture (AMAC) and the International Academy of Agricultural and Biosystems Engineering (iAABE).