



**University
of Manitoba**



Canada Africa 4R Solution and Precision Nutrient Management – Online Series

Monday June 15 | 8:00 am – 10:00 am (EST)

Moderator and Speakers Bios



Ed Rege is Founder and CEO of ECI-Africa. He is also the Facilitator of the Online series. He is one of Africa's foremost practitioners in institutional development; strategic planning, design and implementation; facilitation of complex multi-stakeholder processes, including program development and implementation processes, leadership and management capacity building, and executive coaching and mentoring. He has over 35 years' experience in agriculture, having worked in different capacities – as university trainer, CGIAR researcher and science leader. Over the last 15 years, Ed has been pursuing his passion in Organizational Development focusing on leadership and management, building on his many years' experience in managing programs in complex global multi-institutional contexts. He is the founder and CEO of ECI-Africa and Emerge Africa.

Ed holds a PhD in Genetics, M.S. in Animal Science, and BSc. in Agriculture. He has also additional training in Organizational Development from various institutions. Prior to founding ECI-Africa, Ed was the Director of the Global Biotechnology Program of the International Livestock Research Institute (ILRI). Ed strongly believes that individual and institutional capacity (in both hard and soft skills) holds an important key to unlocking the performance of agriculture in Africa, and making the required transformation happen.



Tom Bruulsema is Chief Scientist with IPNI Canada, providing support for the nutrient stewardship programs of Fertilizer Canada, The Fertilizer Institute, and the International Fertilizer Association. Prior to the dissolution of the larger IPNI, he was vice-president for the Institute's programs in the Americas, and research globally. From 2015 to 2017 he led the Institute's Phosphorus Program. Dr. Bruulsema has been recognized as a Fellow of the American Society of Agronomy, the Soil Science Society of America, and the Canadian Society of Agronomy. He was previously a research associate at the University of Minnesota (1994), and an agronomist with the Mennonite Central Committee in Bangladesh (1986-1990).



Clyde Graham is the Executive Vice-President of Fertilizer Canada in Ottawa, where he promotes the interests of the fertilizer industry with politicians and government officials. Clyde has been instrumental in the adoption of the 4R Nutrient Stewardship system – the Right Source @ Right Rate, Right Time, Right Place® – at the federal and provincial levels. He is a member of the technical and management committees of the North American 4R Research Fund. As a member of the Soil Conservation Council of Canada board of directors and the Alberta Innovates Bio Solutions Expert Advisory Committee, Clyde supports farm practices that are both economically and environmentally sustainable. Clyde has worked in Ottawa since 1987, as a Canadian Press news reporter on Parliament Hill, a lobbyist for Saskatchewan Wheat Pool and as a consultant for corporations and national associations.



Dr. Mario Tenuta is a professor in the Department of Soil Sciences and heads the Applied Soil Ecology Lab. His training includes a B.Sc. in Botany and Physical Geography, an M.Sc. in Soil Science, a Ph.D. in Plant Sciences, and Post-Doctoral research in Nematology. From 2006 to 2017 he served as the Canada Research Chair in Applied Soil Ecology. Mario is one of nine leading researchers in the Canadian 4R Research Network (supported by Fertilizer Canada and Agriculture & Agri-Food Canada's (AAFC) Agri-Innovation Program). Mario is heavily invested in disseminating the findings of Applied Soil Ecology Lab research projects, and many of his peer-reviewed journal publications are co-authored by his graduate students and technicians. Mario has a special ability to translate discoveries to recommendations and advice for growers, crop consultants, retailers, and industry.



Leonardus Vergutz is an assistant professor at the Center of Excellence in Soil and Fertilizer Research in Africa (CESFRA) at the Mohammed VI Polytechnic University (UM6P). He is specialized on the biogeochemical cycling of P and other nutrients and is putting his efforts into building productive and sustainable agricultural systems in the tropics.



Frewengel Wolde-Michael is African Regional Director at Cooperative Development of Canada (CDF). Frewengel brings more than 20 years of experience in Agriculture, natural resource management and sustainable economic development. He worked for various International organizations, including Oxfam GB, Mercy Corps, ACF-USA and FOA in Africa and Asia. He has demonstrated experience in Market & Value Chain Analysis, Food Security and livelihoods programming. He has 10 years' experience in leadership positions and 10 years in program management and supervision. He has spearheaded and played a significant role in the designing and

development of the 4R-NSP project since its inception in 2015 and he is providing leadership roles during its implementation. Frewengel Wolde-Michael holds M.Sc. in Lead Innovation and Change from York St John University UK and B.Sc. in Veterinary Medicine from Addis Ababa University, Ethiopia.



Shamie Zingore is Director of Research and Development for the African Plant Nutrition Institute (APNI). He is based in headquarters at Benguérir, Morocco. Prior to joining APNI, Dr. Zingore was Director of the sub-Saharan Africa Program for the International Plant Nutrition Institute (IPNI). In this role, he established the IPNI regional program and led IPNI's research for development initiatives to promote scientific information on sustainable plant nutrition and soil fertility management. Dr. Zingore's main research interests focus on soil fertility and soil organic matter management, farming systems analysis and nutrient use and cycling in crop production systems. He has over 15 years of experience working with farmer groups, input suppliers and other

stakeholders to develop innovations, build capacity, and promote information exchange on soil fertility management practices for enhancing productivity of agriculture in Africa. He holds a PhD degree in Soil Science and Farming Systems Analysis from Wageningen University and Msc and Bsc degrees in Soil Science from the University of Zimbabwe.