

University of Nairobi, Department of Land Resource Management, Hosts Mozambique Delegation for Advanced Climate-Smart Agriculture Capacity Building Programme

The Department of Land Resource Management and Agricultural Technology (LARMAT), Faculty of Agriculture, University of Nairobi, has welcomed fourteen researchers and technical officers from the [Agricultural Research Institute of Mozambique \(IIAM\)](#) for an intensive one Month capacity-building programme titled “*Integrated Climate-Smart Agriculture: Building Resilience Through Soil, Water and Data-Driven Insights.*” The initiative is being implemented through a strategic partnership involving the Agricultural Research Institute of Mozambique (IIAM), the Post-Cyclone Idai Reconstruction Cabinet (GREPOC), and the University of Nairobi, with support from the African Development Bank.



Dean Faculty of Agriculture, Prof. Moses Nyangito, Chairman LARMAT, Prof. Richard Onwonga, LARMAT facilitators and Mozambique Officers

The programme reflects a shared commitment by the three institutions to strengthen agricultural resilience, enhance human and institutional capacity, and support sustainable recovery and development pathways in Mozambique through science, innovation, and practical skills development. By bringing together expertise from Kenya and Mozambique, the training seeks to equip participants with the knowledge and tools needed to respond to climate-related challenges affecting agricultural production and natural resource management across the region.

The programme was officially opened by the Dean, Faculty of Agriculture, Prof. Moses Nyangito, who emphasized the importance of regional collaboration among African institutions. He noted that sustainable socioeconomic transformation on the continent will increasingly depend on Africans working together, sharing knowledge and expertise, and building strong partnerships capable of generating home-grown solutions to common challenges.

The Dean further observed that the collaboration among the University of Nairobi, IIAM, and GREPOC serves as an excellent example of South-South cooperation, demonstrating how research institutions, universities, and development agencies can work together to address

issues related to climate change, food security, agricultural productivity, and sustainable natural resource management. He encouraged participants to view the programme as the beginning of a long-term professional and institutional relationship that will continue generating benefits long after the training has concluded.

Over the coming weeks, participants will undertake an interdisciplinary programme covering climate-smart agricultural production, sustainable soil management, water management and irrigation technologies, agroforestry and biodiversity conservation, climate-resilient livestock systems, climate information services, decision-support tools, value-chain development, participatory approaches to extension, advanced statistics, GIS, remote sensing, and spatial modelling. The programme combines classroom instruction, laboratory practicals, field excursions, and applied data analysis to ensure that learning is grounded in real-world agricultural challenges.



A central component of the training is an Integrated Capstone Project through which participants will apply the knowledge and skills acquired during the programme to diagnose agricultural and climate-related challenges, analyze field and laboratory data, assess climate risks and develop evidence-based climate-smart agricultural solutions relevant to Mozambican farming systems.



Speaking during the opening session, Prof. Onwonga, Chairman of LARMAT and Project/Training Coordinator, noted that the programme was deliberately designed to move participants beyond conventional training approaches and equip them with the capacity to solve

complex agricultural problems through multidisciplinary analysis and evidence-based decision-making.

“Climate resilience cannot be achieved through isolated interventions. It requires an integrated understanding of soils, water resources, crops, livestock, biodiversity, climate information, markets, communities and decision-support systems. This programme has been designed to help participants connect these elements and translate knowledge into practical solutions for farming communities.”



Excursion activities in Kajiado County

The programme is expected to produce a range of important outcomes, including enhanced technical capacity among IIAM researchers and officers, stronger competencies in climate-smart agricultural planning, improved soil and water diagnostic skills, increased capacity in climate-risk assessment and geospatial analysis, and greater ability to integrate scientific, socioeconomic, and community-level information into agricultural development planning. Participants are also expected to develop technical reports, and integrated climate-smart agriculture plans that can support future interventions in Mozambique.

Beyond individual training, the initiative is expected to strengthen institutional collaboration among the University of Nairobi, IIAM, and GREPOC, laying the foundation for future cooperation in research, innovation, professional development, and technology transfer. The programme will also contribute to the development of sustainable institutional resources, including training materials, technical datasets, and laboratory protocols that can support future capacity-building initiatives.

Expressing confidence in the long-term impact of the programme, Prof. Onwonga emphasized that its success would ultimately be measured by how effectively participants translate acquired knowledge into action. “Our aspiration is not only to train individuals, but also to strengthen institutional capacity. We expect participants to return with the skills and confidence required to support evidence-based decision-making, lead climate-smart agricultural initiatives, and contribute to building resilient farming systems that improve livelihoods and food security.

The Department of Land Resource Management and Agricultural Technology is honoured to host the Mozambican delegation and looks forward to deepening its partnership with IIAM, GREPOC, and other regional stakeholders in advancing climate resilience, agricultural

innovation, sustainable natural resource management, and socioeconomic development across Africa.