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ABOUT THE

African Conference on Precision Agriculture



The mission of the African Conference on Precision Agriculture (AfCPA) is to "connect the science and practice needed to put precision agriculture in action for Africa." Through this mission, AfCPA seeks to provide a pan-African platform focused on highlighting new advances in the fields of experimental and applied precision agriculture.

The conference is aimed at strengthening and supporting the precision agriculture community within the African continent. AfCPA wishes to engage key stakeholders including scientists, policymakers, extension staff, crop consultants and advisors, agronomists, and service providers towards the common goal of

building the capacity and resilience of African

cropping systems.

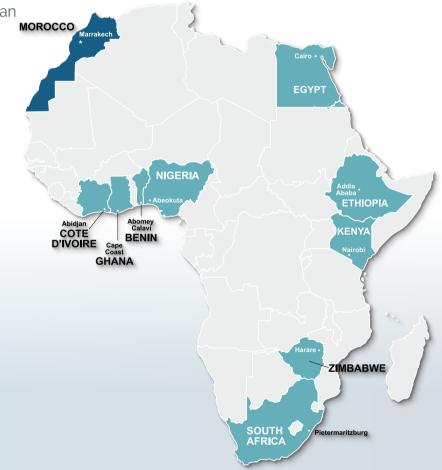
AfCPA 2024 is one conference, multiple satellite site event offering a local opportunity to view presentations from the main conference while participating in a regional precision agriculture program organized by the site's host.

MAIN SITE:

Marrakech. Morocco

SATELLITE SITES:

- · Abomey-Calavi, Benin
- Abidjan, Côte d'Ivoire
 - · Cairo, Egypt
- · Addis Ababa, Ethiopia
 - Cape Coast, Ghana
 - · Nairobi, Kenya
 - · Abeokuta, Nigeria
- · Pietermaritzburg, South Africa
 - Harare, Zimbabwe



AfCPA is an initiative of the African Plant Nutrition Institute (APNI) in partnership with Mohammed VI Polytechnic University (UM6P), the International Society of Precision Agriculture (ISPA), and the African Association for Precision Agriculture (AAPA).









SATELLITE SITE HOSTS

Prof. Adima Amissa Augustin

National Polytechnic Institute Félix Houphouët-Boigny, Côte d'Ivoire

Prof. Dr. Abdelaziz Belal

National Authority for Remote Sensing and Space Sciences, Egypt

Dr. Temesgen Desalegn

Ethiopia Institute of Agricultural Research

Prof. Kwame Frimpong

University of Cape Coast, Ghana

Femi Adekoya

Integrated Aerial Precision, Nigeria

Dr. Tafadzwa Mabhaudhi

University of KwaZulu-Natal, South Africa

Dr. V. Nicodeme Fassinou Hotegni

Genetics, Biotechnology & Seed Sciences Unit (GBioS), Abomey-Calavi Atlantique, Benin

Dr. Onesmas Kitonyo

University of Nairobi, Kenya

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AfCPA Program Chair

Dr. Steve Phillips

SENIOR CONSULTING SCIENTIST

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All times listed are GMT +2

Conference Program Legend

Plenary	Keynote	Local	Panel	LS - Live	LV - Live	R - Pre-	
Session	Presentation	Session	Session	at Site	(virtual)	recorded	

Day 1	- Tuesday, 3rd December	
08:00	Welcome Session	LS
	General Session 1	
09:00	Local Presenter 1	LS
09:20	Local Presenter 1	LS
09:40	Break/Posters/Exhibits	
	General Session 1 (continued)	
10:10	Real-Time Moisture Control in Irrigation Systems for Water use Efficiency and Climate Change Resilience. A Review Didier KINDIKIZA	R
10.30	Reduced Tillage and Crop Diversification for Improved Grain and Nutritional Yield in Rain-Fed Maize Based Cropping Systems of Semi-Arid Malawi Donald Nyamayevu	R
	Keynote Presentation 1	
11:00	Presentation by Anthony Chapoto - Africa Network of Agricultural Policy Research Institutes	LV
11:30	Keynote Presentation 2 Presentation by Richard Ferguson - Rwanda Institute for Conservation Agriculture	LV
12:00	LUNCH BREAK	
12.00	General Session 2	
13:00	Toward Precision Agriculture by Assessing FAO Soil Data Accuracy with Localised Soil Mapping in Mid-Western Uganda Emmanuel Ojambo	R
13:20	The Development of a Geo-Integrated Pest Management System (Geo-Ipm) for the Monitoring of Cereal Diseases in Algeria Salim LAMINE	R
13:40	Rainwater Harvesting And Nutrient Intensification In Maize-Legume Farming Systems In Semi-Arid Zimbabwe Eleanor Mutsamba-Magwaza	R
14:00	Evaluating Soil Organic Matter Under A No-Till System Using Digital Sensors (EM38 and MSP3) Hasna HAJJAJ	R

Day 1	- Tuesday, 3rd December	
14:20	Break/Posters/Exhibits	
15:00	Keynote Presentation 3 How 100,000 Automatic IOT Weather Stations for Disease, Irrigation and Fertilizer Management will Change the Life of 10 Million Smallholder Farmers and Create New Local Jobs for 10,000 Digital Farm Advisors? Gottfried Pessl - Pessl Instruments GmbH	LV
	Plenary Session 1 - Precision Ag Service for Smallholders	
15:30	Presentation by Abdellah Hamma - OCP Nutricrops	LV
15:50	Presentation by Musa Mishamo - Hexagon Agriculture	LV
16:10	Presentation by Robert Blair - Blair Farms	LV
16:30	Human-Powered Proximal Soil Sensing for Small Farms Eric Lund - Veris Technologies, Inc.	LV
17:00	Adjourn	

Day 2	- Wednesday, 4th December	
08:00	Welcome Session	LS
	Plenary Session 2 – Precision Ag Adoption in Africa (pre-recorded)	
09:00	Overview of Precision Agriculture in Africa Samuel Njoroge - African Plant Nutrition Institute (APNI)	R
09:20	Yield of Maize (Zea Mays L.) Varieties as Affected by Neem Oil Coated Urea Application in Southern Benin Vodjo Nicodeme FASSINOU HOTEGNI - University of Abomey-Calavi (UAC)	R
09:40	Scalable Artificial Intelligence, Geospatial Big Data Analytics and Digital Agriculture: a Focus on Lessons Learnt and Their Implication for Improved Production Kwabena Niketia - University of Saskatchewan	R
10:00	Presentation by Tomisin Adefare - GBFoods	R
10:30	Break/Posters/Exhibits	
	Plenary Session 3 - Remote Sensing Applications	
11:00	Assessment of Nitrogen Fertilization in Tunisian Wheat Production Using Proximal and Remote Sensing Mouna Mechri - National Institute of Field Crops (INGC)	LV
11:20	Engineering Technology for Crop Monitoring and Disease Identification Manuel Perez Ruiz - Smart Biosystems Laboratory, University of Sevilla	LV
11:40	Presentation by Anthony Hall - Dronelytics (virtual)	LV
12:00	Presentation by Steve Phillips	LV
12:00	LUNCH BREAK	
	General Session 3	
13:30	Preservation of Encroached Gazetted Wetland Through Assessing Moisture Conditions of Riparian Fringes Under Upland Rice Production in Uganda Patrick Musinguzi	R
13:50	Inter-Country Cooperation Can Transform Precision Agriculture Education and Research in Africa Kwame Agyei Frimpong	R
14:10	Local Presenter 3	LS
14:30	Local Presenter 4	LS
14:50	Local Presenter 5	LS
15:00	Break/Posters/Exhibits	

Day 2 - Wednesday, 4th December				
	Keynote Presentation 4			
15:30	Presentation by Dr. Donald Kelechi Madukwe - OCP Africa	LV		
	Keynote Presentation 5			
15:50	Presentation by Pauline Chivenge - IRRI	LV		
16:20	Panel 1 – Women in Precison Agriculture Women in Precision Agriculture - Panel Discussion Tangi Aziza - UM6P and APNI Mouna MECHRI - National Institute of Field Crops (INGC) Tomisin Adefare - GBFoods Pauline Chivenge - IRRI	LS		
17:00	Adjourn			

Day 3	– Thursday, 5th December	
08:00	Welcome Session	LS
09:00	Keynote Presentations 6 – (pre-recorded) Precision Water Management Strategies for Africa George Vellidis - University of Georgia	R
09:30	Plenary Session 4 - Precision Water Management (pre-recorded) Presentation by Sameh El-Sawy	R
09:50	Application of Remote Sensing for Drought Monitoring Using Vegetation Indices in Pineapple Growing Areas in the Central Region of Ghana Emmanuel Hanyabui - University of Cape Coast	R
10:10	Presentation by Zakaria Hazzoumi - UM6P	R
10:30	Break/Posters/Exhibits	
11:00	Keynote Presentation 7 Presentation by TBD - OCP Nutricrops	LV
11:30	Plenary Session 5 – Precision Nutrient Management iSDA's Virtual Agronomist – Expert Advice for Every Farmer Paul Chunga - iSDA (virtual)	LV
11:50	Use of "FertiEdge" Application for Optimizing Wheat Fertilization Ibtihel Sbai - National Institute of Field Crops Mohammed Hmimou Faissal SEHBAOUI - AgriEdge SA, Benguerir, Morocco	LV
12:10	Presentation by Amine Jamal - OCP Nutricrops	LV
12:30	Keynote Presentation 8 National Agricultural Data Infrastructure As Bedrock for Precision Agriculture Benjamin Kwasi Addom - Commonwealth Connectivity Agenda for Trade & Investment (CCA)	LV
13:00	Closing Session and Awards - APNI - Kaushik Majumdar	LV
13:30	Adjourn	

Notes











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