ISPA Newsletter 9(1) January 2021: AfCPA report, OFE-C Community articles, Upcoming Events, Jobs Listing

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ISPA

International Society of Precision Agriculture

MONTHLY NEWSLETTER



Brief from the 1st African Conference on Precision Agriculture

In December 2020, the African Plant Nutrition institute (APNI) organized and hosted the 1st African Conference on Precision Agriculture (AfCPA) in cooperation with the International Society of Precision Agriculture (ISPA) and Mohammed VI Polytechnic University (UM6P). The mission of the AfCPA was to create an event that would "connect the science and practice needed to put precision agriculture (PA) in action for Africa." The AfCPA featured 140 presenters speaking to 750+ registrants representing 50+ countries globally.

AfCPA 2020 was structured as a one conference, multiple-site event. The virtual main program was simulcast to 14 satellite conference sites across the continent. Partner organizations serving as satellite site hosts are listed below.

The conference's hybrid format successfully connected registrants to an international panel of experts while also generating significant discussion on regional PA strategies within the traditional conference venues.

Read more about the conference and the African Association of Precision Agriculture.

Data Becomes Really Useful Only When Aggregated

There is a growing need to quantify complex interactions of processes for diverse environmental conditions and crop management realities. Any study is worth very little in itself unless its data is being agglomerated with others to express conclusions valid for real use. In order to tear the agronomic data Babel Tower down, there is little alternative but to converge on standards, at least for a minimal set of them. Do you use a standard to construct your agronomic databases? If so, which one? Please fill in this two-question survey. The OFE-C will use the results to start a conversation on agronomic (management practices or treatments, soil and weather data and measurements of crop responses) standards for data and metadata.

Measured Reduction of GHG by Precision Agriculture

Are you aware of actual reduction of greenhouse gas (GHG) production consecutive to the application of precision agriculture solutions? We are seeking measured, actual, GHG reduction resulting from precision agriculture technologies or approaches. Many papers have reported estimations or projections but we are looking for direct evaluations. Should you be aware of anything along these lines, please email us. Thanks a lot.

A question from OFE-C

The On-Farm Experimentation Community (OFE-C) focuses on: 1) compiling practical, applied, proven-to-be-useful resources; 2) connecting practitioners to a “1-go-to” source of information. The OFE-C will concentrate on four elements of on-farm experimentation:

- Creation/sharing of value and intellectual property
- Farmer-centric, co-learning and social aspects
- Data, metadata, analytics, modelling, artificial intelligence
- Transformation through policy, legislation and investment

Which of these aspects of on-farm experimentation are of interest to you? Let us know by filling this one-question survey.

Upcoming Events

25-27 FEB 2025
GIS & Drone Applications in Agriculture Conference

29 JUN - 3 JUL 2025
15th European Conference on Precision Agriculture
Barcelona, Spain
ecpa2025.upc.edu/

22-31 AUG 2025
XXXII ISSCT Centennial Congress
Cali, Colombia
issctcennial.com/

14-16 OCT 2025
11th Asian-Australasian Conference on Precision Agriculture
Chiayi, Taiwan
ispag.org/Events/ACPA

2-4 FEB 2026
International Crop Modeling Symposium (iCROPM2026)
Florence, Italy

Week of 13 JUL 2026
17th International Conference on Precision Agriculture and the 11th Brazilian Congress on Precision Agriculture
Porto Alegre, Brazil
ispag.org/icpa

See the ISPA website for a complete list of events.
Do you have an event that would be of interest to our members? Send us an email to let us know.

Jobs Listing

- Postdoc in Digital Agronomy for Climate Resilient Perennial Agriculture
- Tenure Track Assistant Professor in soil spectroscopy at Department of Agroecology, Aarhus University
- Assistant or Associate Professor of Extension Soil Management - University of Kentucky - Department of Plant and Soil Sciences
- Precision Agriculture Technologies Extension Specialist - University of Tennessee - Biosystems Engineering and Soil Science
- Assistant Professor (Extension) - Mississippi State University - The Department of Agricultural & Biological Engineering
- University of Georgia - Assistant Professor - Extension Specialist Precision Agriculture Systems

Do you have a job you would like to post to the ISPA website? Please send your job announcement, a short description, and cutoff deadline for applications to info@ispag.org

Contribute to the ISPA Newsletter

Do you have a precision ag event, project, or news article that our members would be interested in? Please let us know. We post events, job opportunities, and news from members from around the globe. Email info@ispag.org or use the handy online form to submit your contribution.

Precision Agriculture Definition

Precision Agriculture is a management strategy that gathers, processes and analyzes temporal, spatial and individual plant and animal data and combines it with other information to support management decisions according to estimated variability for improved resource use efficiency, productivity, quality, profitability and sustainability of agricultural production.

The International Society of Precision Agriculture (ISPA) is a non-profit professional scientific organization.
The mission of ISPA is to advance the science of precision agriculture globally.

Contact newsletter@ispag.org to suggest content for future newsletters or visit www.ispag.org for more about the Society