ISPA Newsletter 13(2): ISO Webinar, Country Representative Report, Jobs, Events and More

Feb 28, 2025

International Society of Precision Agriculture

MONTHLY NEWSLETTER

Advancing PA: Opportunities for Impact through the ISO-ISPA Relationship

Join us this morning at 10:30 a.m. EDT for the ISPA membership webinar:

Advancing PA: Opportunities for Impact through the ISO-ISPA Relationship

The ISPA and the International Standards Organization (ISO) will provide a webinar on opportunities to be involved with development of standards for data-driven agriculture. ISPA has recently been voted in as a liaison to the ISO Technical Committee on Data-Driven Agriculture (https://www.iso.org/committee/9983782.html). Liaison status allows ISPA members to become part of the data standards process. Dr. Andres Ferreyra, TC 347 Chair, and Prof. James Lowenberg-DeBoer, past president of the ISPA, will present and respond to questions.

The webinar is free to ISPA members, please register on the **Member Resources** page to access the webinar link. You will be asked to sign in using your membership credentials to access this webpage. If you have any questions, please email info@ispag.org.

Integration of Optical and Radar Remote Sensing for Biomass Monitoring in Sugarcane

Carlos Mosquera, I.A. Sp. GIS, MBA.
Country Representative, ISPA.
DINOSAR Project Consortium AGROAP, ELEAF, SARVISION, UNIVERSITY OF ALICANTE, HCP International, EURONOVIA.

Agricultural Systems, Soil Health, and Sustainability Challenges

Agricultural systems worldwide are impacting soil health conditions, ultimately leading to reduced productivity. In some countries, the expansion of the agricultural frontier is affecting forested areas. The improper use of agricultural inputs and inefficient water management necessitate alternative approaches to sustain food production within a more sustainable model.

While increasing productivity is imperative, environmental conservation must remain a priority.

Ensuring the long-term health and productivity of soils is crucial for future generations. Smart farming applications based on Earth Observation (EO) have demonstrated their potential to reduce water, fertilizer, and pesticide consumption by approximately 20% while maintaining production levels. The challenge of increasing yields in existing agricultural areas, minimizing environmental impact, optimizing input use, and reducing costs are strategic indicators guiding the path toward sustainability. Gaining a deeper understanding of crop behavior and its interaction with climate and soil will enable better decision-making and promote environmentally friendly management practices.

Read the full article here.

ISPA Country Representative - Dr. Kakha Nadiradze

Country Representatives serve to help promote ISPA by championing the ISPA mission and purpose globally, in particular, in the country they represent. ISPA is growing internationally so Country Representatives remain an important position to help ISPA best serve people, groups, governments and others, globally connecting them to science and experts.

Please join us in thanking ISPA Country Representative from Georgia, Dr. Kakha Nadiradze.

If you are interested in becoming a Country Representative, please email info@ispag.org with your bio highlighting your experience in precision agriculture and your CV. ISPA requires that all Country Representatives are current members of the society. To become a member, please complete the membership form.

VIEW COUNTRY REPRESENTATIVES

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