

Vision statement

I am honored to submit my nomination for the position of European representative on the International Society of Precision Agriculture (ISPA) board. My commitment to advancing Precision Agriculture (PA) is deeply rooted in a career spanning over three decades of dedicated research and innovation.

Precision Agriculture has significantly evolved globally, driven by the imperative to observe, measure, and respond to both temporal and spatial variability in agriculture. This approach not only enhances sustainability but also improves agricultural production by tailoring fertilization and plant protection strategies to specific field conditions. Advances in GPS technology, digitization, robotics, and artificial intelligence have propelled PA to the forefront of global agricultural practices, ensuring continual benefits for both farmers and the environment.

Throughout my career, I have actively contributed to the field of Precision Agriculture. In the 1990s, I played a pivotal role in establishing the European Conference on Precision Agriculture (ECPA), notably organizing its second conference in Denmark. My work in the 2000s was instrumental in developing a vibrant research and innovation environment in Denmark focused on field robots, culminating in the foundation of the spin-off company, Agointelli. More recently, my colleagues and I have concentrated on leveraging drone imagery for site-specific weed management and the phenotyping of crop varieties, which are critical for the advancement of PA.

As a prospective European representative to the ISPA board, I aim to contribute by utilizing knowledge of crop responses to temporal-spatial variations to refine PA techniques further. Additionally, I am committed to promoting regenerative practices that enhance biodiversity in agricultural fields without compromising the economic viability of farms. This approach not only supports soil fertility and crop resiliency but also aligns with sustainable agricultural principles. Furthermore, I see a significant opportunity to harness and integrate diverse agricultural data, both public and private, including farm-specific data, into future decision-making algorithms. This integration will enhance the precision and effectiveness of agricultural practices, tailored to the unique needs of each farm.

I am eager to bring my experience, insights, and passion for Precision Agriculture to the ISPA board, contributing to its mission of fostering sustainable and technologically advanced farming practices worldwide.

Thank you for considering my nomination.

Svend Christensen
Professor, University of Copenhagen, Denmark