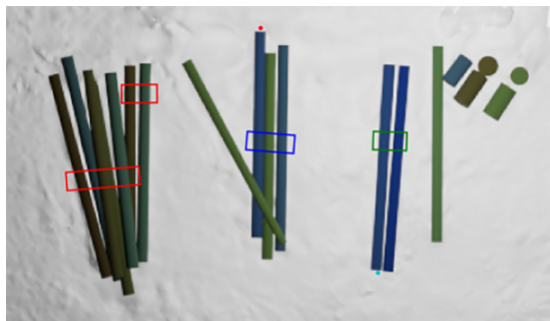


Webbversion



AI for Autonomous Timber Loading

At Troedsson forestry test lab, we have been exploring how artificial intelligence can help forest machines load timber autonomously. Using advanced simulation and real-world testing, we trained AI models to identify suitable grasping positions, fig1, for a forwarder crane in complex timber piles while avoiding obstacles such as stones, stumps, and non-target logs. Thousands of virtual lifting scenarios were generated to create training data, which was then validated in field trials at our test site, fig 2. The results showed high success rates and valuable insights for improving robustness. The work demonstrates how simulation, AI, and practical testing can accelerate the development of autonomous forestry operations.

[Read more here](#)

Robotic Intercropping: Exploring the Future of Sustainable Farming

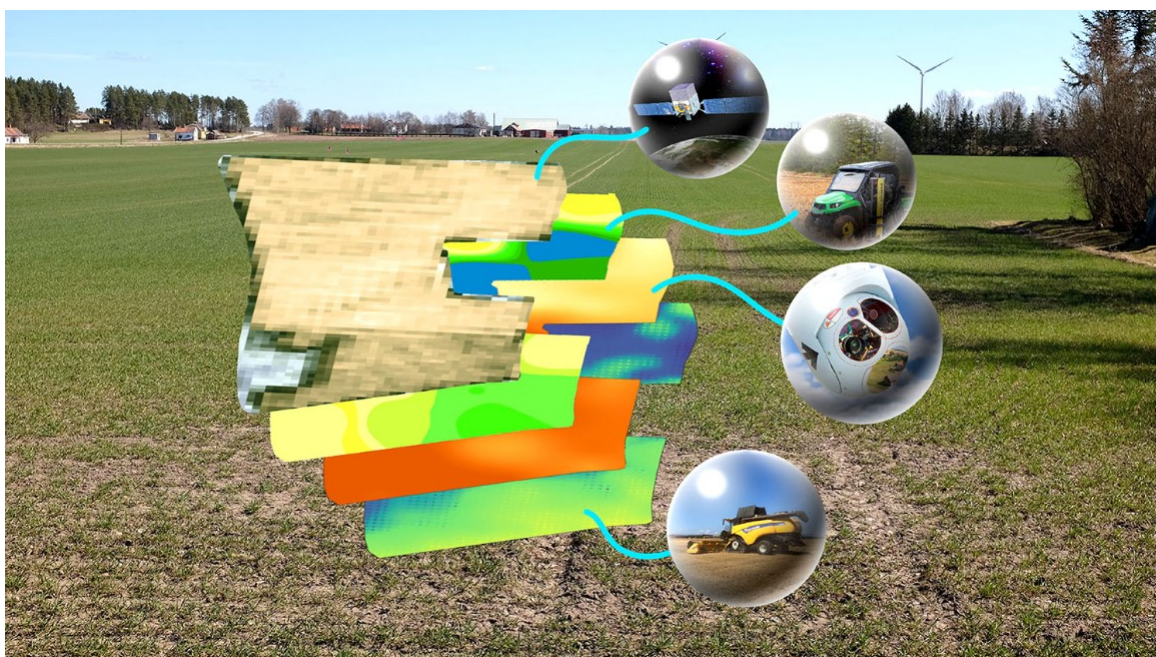
Our member PLEN Living Labs is involved in the *Robotic Intercropping* project, which explores how autonomous robots can enable more efficient and sustainable intercropping systems. The project brings together research, technology and farming perspectives to develop solutions that can support biodiversity, resource efficiency and resilient food production. It is a collaboration between the Danish universities DTU, SDU and University of Copenhagen in collaboration with Wageningen University in Netherlands. Part of the project is the establishment of living labs at the research farms at PLEN and University of Wageningen respectively. More about the project and living labs [here](#).

PLEN Living Labs invites you to Robotic Intercropping Day 2026 on 24 September in Taastrup, Denmark. The event will feature keynote presentations, live demonstrations and interactive booths, offering opportunities to explore the latest developments in robotics and intercropping.



Participation is free!

Registration is required



Conference on photonics – the technology of light

On October 6-8, 2026, the international conference Optics & Photonics in Sweden will be held at the Museum of Work in Norrköping, organized by PhotonicSweden, Linköping University, and Agtech Sweden. The event gathers academia and industry around the latest developments in photonics. Keynote speakers include Linnea Selegård (Saab Dynamics) on defense, Per Frankelius (Agtech Sweden/LiU) on precision agriculture, Joel Yang (SUTD) on 3D printing, and Arrate Muñoz Barrutia (UC3M) on AI microscopy. The program also features lectures, poster sessions, and study visits to Siemens Energy, Visualization Center C, and Printed Electronics Arena. P S Students are especially welcome!

Learn more and register



Agri Living Lab Sweden Conference 2026: Farmer-Led Innovation and Data-Driven Yield Improvement

On November 19, 2026, the Agri Living Lab Conference will be held at Linköping University, organized by Agri Living Lab Sweden and Agtech Sweden with Odling i Balans, HIR Skåne, Sveriges Frö- och Oljeväxtodlare, Tolefors Farm and Hilmérs Farm. Supported through EIP-AGRI, the conference brings together farmers, researchers, advisors and industry to explore Living Labs, on-farm experimentation and farmer-to-farmer learning. Speakers include ADAS, with experience from YEN, and EXAgT on harvest measurement and field data. The programme also features Swedish pilot farms, panels and networking.

[**Register here**](#)

Sign up for the next ECPA conference!

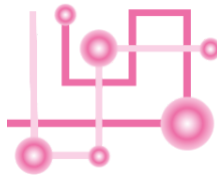
The 16th European Conference on Precision Agriculture (ECPA) will take place in Copenhagen, Denmark, on 11–15 July 2027. The conference brings together researchers, industry and other stakeholders working with precision agriculture and digital technologies. Topics include AI and data analytics, digital twins, IoT, robotics and automation, remote sensing, decision support systems, precision forestry and sustainable resource management. The conference offers opportunities to share research, explore new technologies and strengthen collaboration across sectors.

Abstract submission deadline: 30 Sept 2026

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