Wageningen University & Research

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Agro Food Robotics

Agro Food Robotics
In the field of Agro Food Robotics research and development, Wageningen University & Research is worldwide the most experienced and innovative organisation. More than 60 engineers and researchers work together with industrial partners on new robotic systems for agri and food.

We design agricultural robotic systems for marine, livestock, open field, horticulture, fresh chains and food, together with many experts on these application fields within Wageningen. We specialise in artificial intelligence and sensing, especially spectral, learning and vision. We also bundle knowledge in the field of ethics, uptake and ecosystems of Agro Food Robotics.

Do you want to join us? We invite you to contact Programme Manager Agro Food Robotics Erik.Pekkeriet@wur.nl www.agrofoodrobotics.eu

Towards circular food systems
To provide the optimal treatment to a plant is called precision agriculture, satellite farming or site-specific crop management. Wageningen University helps to be more sustainable by minimizing inputs and maximize an optimally nutritious, high-quality product as an output. We develop intelligent machine end sensor solutions interacting with tech-suppliers and end-users.

Optimal breeding with robotics
Food production relies on the efficiency of plants and animals. To find and select the best performing variety, automation and large scale testing is key. Wageningen University & Research is specialised in sensing & plant/animal phenotyping with non-destructive, fast and robust applications. In co-development with machine builders and breeding companies we develop objective methods to collect data for describing variety performances in all stages of (re)production.

Smart sensing for optimal product quality
Whether it's fresh fruit, vegetables and cut flowers or processed foods, top quality, sustainable, cost-efficient production processes are crucial for agrifood companies wanting to establish themselves in the market. We develop smart sensor systems that provide detailed and objective insight into product quality. This enables agrifood companies to optimise processes throughout the chain and extract the maximum value from product quality.

Robotics for hands-free production
The future for food production, handling and processing is hands-free farming, hands-free harvesting & hands-free assessment and monitoring. Join us!