ECROBSENS

Innovative eco-robotics and sensor technologies for agriculture and horticulture

What challenge or problem are you addressing? What is the need for the project?

Innovative robotics and sensor technologies can help to meet the challenge of feeding a growing population in more resource-efficient and sustainable ways. The use of some applications such as GPS-technology in horticulture (stearing guide), a milking robot and the use of different sensors for soil, crop and animal monitoring is growing. Co-creation of innovative robotics and the integration of different sensors into single data management and decision support system is needed for the adoption of new technologies through farmers.

Objective of the project: What your project wants to achieve/change

Adoption of new technologies through farmers in NWE farms will be achieved by demonstrations of new sensors and integrated data management systems and adaption of a UV-robot for automated control of powdery mildew in strawberry.

Why do you need transnational cooperation?

Technology and knowledge exchange among NWE partners to strengthen and disseminate ongoing practical research on precision farming.
Transnational cooperation is needed to increase the applicability of innovative robotics and sensor technology to lift agricultural production to a higher level of automatization, reduce manual labor, reduce the environmental impact of inputs as fuel, fertilizer, pesticides,... and optimize productivity and quality of the produce in NWE farms.

What kind or partners are you looking for?

Partners specialized in data management and decision support systems, developers of new technology, Pilot and demonstration farms, farmer organizations

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