



*The main objective is to develop a technological solution to end chemical treatments in the weed management*

## **WeLASER project has successfully achieved its preliminary system integration**

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- ***Adequate improvements will be developed in the different operating systems in order to develop the final integration by the end of the project.***

**Madrid, 3<sup>rd</sup> May 2022.** WeLASER project has successfully achieved its preliminary system integration, after assembling all the systems onboard the mobile platform and checking the mechanical, electrical components and communications interfaces. It is important to highlight the important advances that have been achieved in all the different parts of the prototype: the integration of the IoT sensor networks and cloud computing apps, the high-power laser source, the AI-perception system and the scanning system and the second prototype of the autonomous robot. The whole system is working according to the working plan.

Now, according to the tests that are being carried out and the list of malfunctions detected, an action plan is being drawn up and adequate improvements will be carried out in the different components in order to develop the final integration by the end of the project.

This preliminary integration has been finally reached by the end of April 2022, due to delays in the delivery of parts and components caused by the current pandemic and political crises. Final approval of this integration has been agreed on a face-to-face project meeting held in Madrid past 27<sup>th</sup> April.

The WeLASER Project will organize demonstrations in the last 6 months at real scenarios at different European locations. These demonstrations will target professional and general audiences, including authorities, academia and media.

### WeLASER Project

WeLASER is a European innovation project funded within its Horizon 2020 program. It is coordinated by the Spanish Council for Scientific Research, CSIC (Spain) and has the participation of Futonics Laser GmbH (Germany), Laser Zentrum Hannover (Germany), Department of Plants and Environmental Sciences of the University of Copenhagen (Denmark),

AGREENCULTURE SaS, AGC (France), the Coordinator of Farmers and Livestock Organizations, COAG (Spain), the Department of Agricultural Sciences of the University of Bologna (Italy), the Institute for the Ecology of Industrial Areas (Poland), the Department of Agricultural Economics of the University of Ghent (Belgium) and Van den Borne Projecten BV, VDBP (The Netherlands).

The main objective of WeLASER is to develop a technological solution to end chemical treatments in the weed management. The project started in September 2020 and will end in 2023, after 36 months of works.