

Innovative WeLASER device is a future-proof technology supporting sustainable agriculture

Social Analysis in the Life Cycle Perspective

The aim of the analysis was to assess the impact of WeLASER technology implementation into agricultural practice in Europe with regard to selected socio-economic aspects. The analysis was based on in-depth interviews and workshops which were conducted with experts representing three stakeholder groups: farmers, society and business.

Key impacts of the innovative device

- Positive impact on the comfort and safety of the farmer's work and health.
- Significant improvement in the state of the environment and biodiversity in the long time.
- Increase in quality and safety of agricultural products.
- Substitution of human work by the machine - minimising problems with employing seasonal workers.
- Contribution to the development of organic agriculture.
- Supporting of young farmers and women in running farms.
- New jobs and increased competences of employees involved in production process, service technicians, advisors, sales representatives and users.



Challenges of implementing the WeLASER device on a large scale:

- The high investment cost of the technology will make it initially available only to farmers managing large farms with strong economic potential.
- To make the technology more accessible to the average farmer, it is recommended to provide financial support or introduce new business models such as sharing or weeding services.

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