



Erasmus+ Programme (ERASMUS)

BOOST

“BOOSTing agribusiness acceleration and digital hub networking by an advanced training program on sustainable Precision Agriculture”

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Lead partner: **UNIVPM**

Author(s): **Valentina Secondini, Roberto Fiorini, Matteo Belletti**

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Executive Summary

This report D1.3 “**Report on Technological Foresight**” contains a very useful literature review on PA technology, and an exploration of the main used PA technologies available on the market in Europe and specifically in the BOOST project partner countries. The main summary information that can be obtained from this document is that the agricultural entrepreneur's profession is changing radically. The information technologies currently available for agriculture generate a positive differential that is becoming indispensable to support the decision-making task that is typical of the entrepreneur and to manage:

- the risk associated with the production function.
- the whole-farm management.

Of course, there are cultural, technical, and structural barriers which still limit the adoption and diffusion of available technologies within the EU. Indeed, it will be one of the central tasks of this project to prepare agricultural entrepreneurs and young agronomists so that they know how to make the most of the potential of PA technologies in relation every time to the specific production structure of every agricultural enterprise.

Students who will access the pilot implementation of the BOOST project will benefit from the training material collected in this report as summarized below:

- First goal of the Task 1.3 has been to identify specific technological packages based on which to build the BOOST training, both in its theoretical section and in its practical module in the field (WP2, WP3, and WP4).
- Second goal has been to develop a literature review able to summarize the state of the art on the availability and degree of adoption of PA technologies in Europe so that the technicians and entrepreneurs who will join the BOOST pilot training project will have a point of reference about the potential but also the challenges and risks of the PA technological innovation underway in Europe.
- Third, we have summarized the benefits (quantitative and qualitative) in terms of performance that PA technology would guarantee by virtue of its adoption.