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Developing green and digital skills towards AI use in agriculture

Newsletter No1



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AI4AGRI at a glance!

AI4AGRI is a co-funded project of the Erasmus+ Programme of the European Union with a duration of two years (2023-2025). The green transition with the implementation of CAP and the EGD along with the EU digital transition are key drivers for the industry leading to the need for upskilling and reskilling of the existing workforce. The AI4Agri Consortium is motivated to implement this innovative project aiming to develop a Vocational Education Training and policy recommendations in order to make AI tools and methods available to smaller-scale enterprises and agricultural workers.

Objectives of the AI4AGRI project



Provide in-depth understanding and encourage reflection on the connection between AI and agriculture through the engagement of both sectors experts in order to (1) minimize the adverse environmental consequences of agricultural production and (2) support the adoption of AI related practices in agriculture.



Increase knowledge and skills on agricultural technologies and AI to assist agricultural workers and/or potential agricultural entrepreneurs to adapt themselves on the digitalized labour market and manage labour market transitions through a flexible learning opportunity customized to their learning needs.



Aspire to build a nexus between "green" and "digital" in practice by developing agricultural technology alliances and policy briefs towards the promotion of Agriculture 4.0 and AI applications.



Encourage the agricultural industry attractiveness with a focus on existing or potential agricultural workers and entrepreneurs to combat the problem of aging workforce.

Work Packages

1

Project Management

2

Connecting AI with Agricultural sector

3

Development & Delivery of AI4Agri Training

4

Exploiting AI use in agriculture & Policy recommendations

5

AI4AGRI Activities Outreach

Project meetings

KOM, DECEMBER 2023

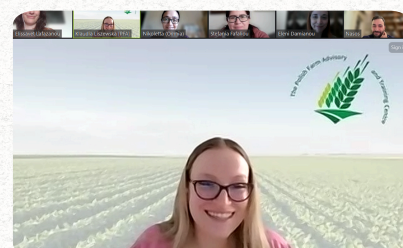
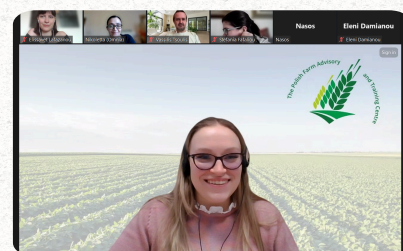
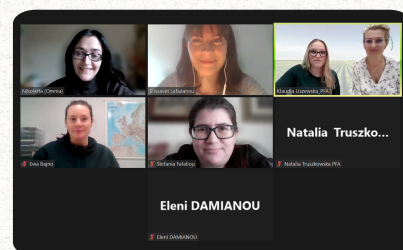
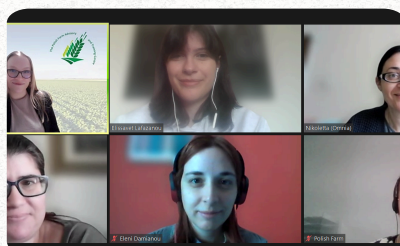
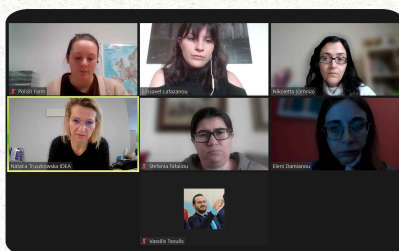


The kick-off meeting was hosted by Omnia in Nicosia, Cyprus, bringing together 5 dynamic partners from 4 different countries. During the meeting, the partnership laid the foundation for the project implementation and set the stage for the following steps. The meeting was held in a hybrid way on the 13th of December with representatives from all the consortium members.

In October 2024, the Consortium will conduct the second Transnational Project Meeting that will be hosted by ThinkOnception in Athens.

Monthly Online Meetings

AI4AGRI Consortium is conducting one online meeting per month to assess the progress of the project in terms of the project results, administrative aspects, and dissemination.



WP2

Connecting AI with Agricultural sector: current status and needs assessment

Activity 2.1

Under the coordination of YET, a comprehensive review on AI and agricultural technology was conducted, focusing on the examination and analysis of farmer-driven innovations and best practices within the field across Consortium countries. This involved extensive desk research to determine the current status of these technologies. Contributions from all partners were essential in gathering the necessary information, which was then validated by an agriculture technology expert from each country. The national reports are available on the project's website.



Activity 2.2

A needs assessment survey, led by PFA, targeted agricultural workers and current or potential entrepreneurs. The objective was to identify the existing skills required for AI applications and tools, as well as potential strategies for workforce engagement in the agricultural sector. At least one hundred surveys were completed at national levels.

WP2

Connecting AI with Agricultural sector: current status and needs assessment



Activity 2.3

Under the coordination of Omnia, partners organised Reflection Roundtables, bringing together agricultural workers, AI experts, existing or potential entrepreneurs, and education professionals. Each country hosted one roundtable with ten participants, fostering an exchange of ideas on AI use in agriculture and discussing the results of the needs assessment surveys. The national data collected from these discussions was incorporated into the final analysis.

Activity 2.4

The final AI4Agri Analysis, overseen by Omnia, synthesized the findings from all WP2 activities.

This analysis will serve as the foundation for developing the AI4Agri curriculum. An executive summary of the Final Analysis was translated by all partners to facilitate broader dissemination at the national level.

The final Analysis is available on www.ai-4-agri.eu.



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