www.ai-4-agri.eu

AI4Agri EU project

Contact us on
info@ai-4-agri.eu

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CONSORTIUM

The Polish Farm Advisory and Training Centre, Poland

IRIS Sustainable Developlment, Sweden

Omnia, Cyprus

ThinkOnception, Greece

YET, Greece

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AI4AGRI

Developing green and digital skills towards AI use in agriculture

TARGET GROUPS

The direct target groups of the AI4Agri project are agricultural workers and existing or potential entrepreneurs that they want to acquire capacity on AI tool, methods and uses in the agricultural industry.

The project indirect target group is constituted by stakeholders and associations in the agricultural sector, AI solution providers, companies, VET providers as well as policy makers.

CONTEXT

The EU agriculture sector has the potential to constitute a key actor to the EU's climate mitigation efforts. More precisely, agriculture is currently responsible for 10% of the EU's GHG emissions (436 Mt CO2eq) as well as is the mainstay occupation in many countries worldwide. In parallel, world population is expected to grow by over a third, or 2.3 billion people, between 2009 and 2050. With rising population, there will be more pressure on land related needs as the GHG will be rapidly increased following the conventional agriculture strategies.

As solution to the aforenoted problem are widely considered the AI applications on agriculture. AI in agriculture can assist climate mitigation processes with multiple ways such as among others the ability to quantify GHG emissions, AI soil management techniques, crop and disease management, market demand.

EXPECTED OUTPUTS

R1: AI4AGRI Analysis

R2: AI4AGRI Training

R3: AI4AGRI Policy Recommendations

OBJECTIVES

O1: Provide in-depth understanding and encourage reflection on the connection between AI and agriculture though 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.

O2: 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.

O3: 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.

O4: Encourage the agricultural industry attractiveness with a focus on existing or potential agricultural workers and entrepreneurs to combat the problem of aging workforce.