

PRISM

A VET Toolkit Promoting Digitization in the Agriculture Industry for Sustainable Farming

 Erasmus+ Project N°: 2020-1-PL01-KA202-081518



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PRISM

TOWARDS PROMOTING AGRICULTURE 4.0

All countries are facing issues relating to farming and agriculture, with farmers struggling with the challenges of food safety, climate change, scarcity of natural resources, and more.

The development of open educational resources for VET trainers will provide education for farmers towards innovation and modernization of agriculture within Industry 4.0 and will help to ensure their livelihood in this sector over time.



AIM

Main goal is to help VET trainers redefine a sustainable sector based on agriculture 4.0 through a open education resource. The innovative training contents and methodologies will promote farming relevant to Agriculture 4.0. Open Education Resource for Agriculture 4.0, will guide trainers use the project results in their training. The e-Learning platform, as part of the Open Education Resource, will be specifically developed to work as a toolkit for the VET trainers to benefit their teaching of farmers by offering online training opportunities.

TARGET GROUP

VET trainers, Agriculture Industry Stakeholders, Technology Experts involved in advancements in technology in relation to agriculture and robotic systems.

Project's Results

Increased knowledge, skills, competences of VET trainers of partner countries and of other relevant stakeholders working on training centers and public institutions, in Agriculture 4.0, to effectively support farmers in redefining a sustainable sector in farming and agriculture and educate professional farmers in matters of modern technology relevant to their field of work.



From Industry 4.0 to **Agriculture 4.0**

2

Getting familiar with the technology behind Agriculture 4.0

INDUSTRY 4.0 refers to a new phase in the Industrial Revolution that focuses heavily on interconnectivity, automation, machine learning, and real-time data.

AGRICULTURE 4.0 is all about transformation of the production infrastructures: connected farms, new production equipment, connected tractors and machines. New approach will increase productivity and quality and environmental protection, generate modifications in the value chain and business models with more emphasis on knowledge gathering, analysis and exchange.



FOCUS :

Transparency of production

Transformation of the production infrastructures and methods

Preventive maintenance

Optimised farming, sharing knowledge

Agriculture 4.0 Preventive maintenance



Sensor deployments and connectivity enables the manufacturers to track the usage of the product. They can detect early a loss of performance and offer preventive maintenance operations. Additionally, the data collected helps the manufacturer to better understand needs and usages to improve its line of products.

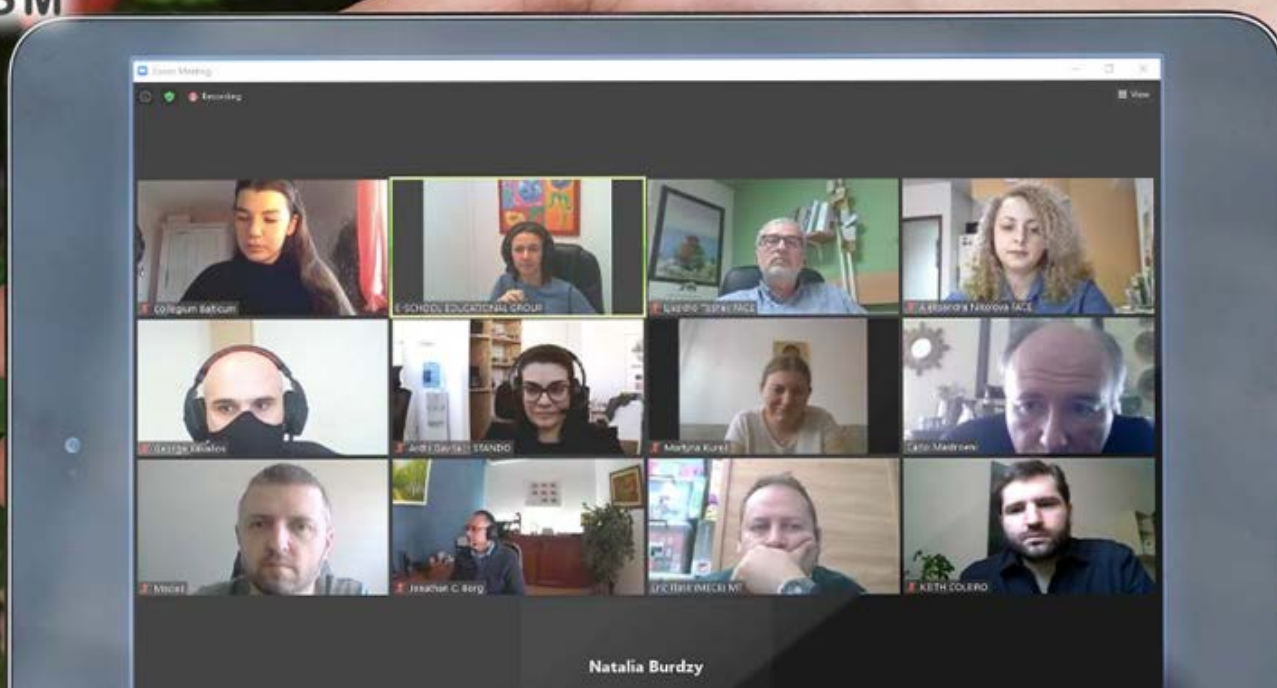
KICK OFF MEETING

On Wednesday, the 17th of February 2021, the Kick off meeting of PRISM project took place through digital means. During the meeting, partners had the opportunity to meet each other, discuss the future activities and agreed on the action plan. PRISM project is focused on helping farmers redefine a sustainable sector based on agriculture 4.0 through a VET open education resource.



2nd ONLINE MEETING

The Project PRISM partners held their second online meeting on Friday, 9th of April 2021, where they discussed the project's progress thus far, monitored the development of the IOs, and planned the next step in the project's dissemination. The discussion covered the topics as :e-book development, additional ideas about IO2, initial work and preparation of VET training curriculum , our website, facebook and instagram. Responsibilities and additional activities of partners with their deadline were divided.



IO1

IO1 will result in a Beginners Guide written in a simple manner in order to allow for a good understanding of the concepts of blending agriculture with the 4th Industrial Revolution (Industry 4.0)

IO2

IO2 will include applications of the 4th Industrial Revolution on Agriculture and will be made into case studies to allow for easier assimilation of the philosophy of Agriculture 4.0.

IO3

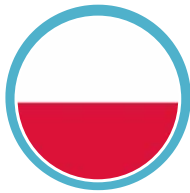
IO3 will result in a curriculum addressed to VET Trainers. It will contain the information necessary for enabling a VET Trainer to educate/train farmers in matters of modern technology relevant to their field of work.

IO4

The aim of this output is to create an Open Education Resource including an e-Learning platform that will be used as a learning tool in the framework of Farmers@Agriculture 4.0 for spreading knowledge on the one hand and training on the other.

You can find more about the VET toolkit **PR**omoting digitization in the agriculture **I**ndustry for **S**ustainable far**M**ing here:

<https://prism-euproject.eu>



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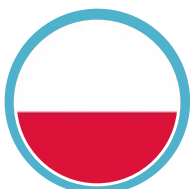
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