

SmartVitiNet

Smart and Sustainable Drone-Assisted Viticulture Excellence Network

WWW.SMARTVITINET.EU



@SmartVitiNet

SmartVitiNet aims to upscale and introduce to the market an innovative holistic phytosanitary and plant protection system utilising UAVs and novel sensors. The sustainability of the undertaking will be ensured through the establishment of a Competence Center for Precision Viticulture with the goal to create expert networks, facilitate access and provide necessary training to any interested stakeholders.

PILOTS

Countries that will benefit from the project: Portugal, Greece and Cyprus in terms of agricultural sector development, where pilots will also take place. France and Cyprus, in terms of ICT sector development.

▶ PORTUGAL

According to the International Wine Organization (OIV), Portugal is the 5th largest wine producer in the EU and 11th largest in the world. SmartVitiNet will help viti-production in Portugal in three dimensions: (1) direct participation of viti-producers in the development of innovative technological systems that can assist cost-efficient and sustainable cultivation, (2) dissemination of innovative technologies among viti-producers, (3) enforcement of digital skills of farmers.

▶ FRANCE

Viticulture represents the leading sector for employment in the Region, with 100,000 jobs in Occitanie. The region has the world's biggest vineyard: 5% of total world wine production comes from Occitanie. Hence, early detection and analytics on water stress and plant diseases are crucial for providing the region's farmers with a competitive advantage.

▶ GREECE

Viticulture from ancient times has always been a significant part of Greek tradition. SmartVitiNet will help Greek viticulture through the following ways: (1) effective realisation of sustainable farming approaches (biodynamic) through the use of precision agriculture techniques, (2) knowledge sharing and dissemination of good practices and innovative technologies among vintners, agronomists, and practitioners to fight diseases and tackle climate change, (3) support of the production of high-quality organic wines.

▶ CYPRUS

The Cypriot wine industry ranks 50th in the world in terms of total production quantity (10,302 tonnes), and much higher on a per capita basis. Ensuring continued crop health monitoring, as well as timely and targeted interventions, appropriate quantities, and stringent standards, would result in a reduction in the total amount of pesticide chemicals applied, thus resulting in significant benefits for the economy, health, and the environment.



Co-funded by the European Union



Co-Funded by the European Union under Grant Agreement number 101083737. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European's Union's European Innovation Council and SMEs Executive Agency (EISMEA). Neither the European Union nor the granting authority can be held responsible for them.