Learn more about what we will be developing during VITISKILLS.

Evidence-based, measurable learning outcomes for VET provision, following consultation with training, academic, and field experts.

Formal VET learning units, training & assessment materials, & trainer toolkit for course delivery.

A VOOC to support individual, self-paced learning

4 on-site training seminars (1 per module) & a VOOC pilot run (720 vineyard staff up-skilled)

A Blueprint with specifications for an EU-wide qualification for vineyard staff

A best practice guide to extend social & economic security for vineyard workforce

A position paper to support improved labour conditions, digital literacy & environmental awareness in rural communities

vitiskills.eu

info@vitiskills.eu

Content Of Vitiskills Training Course

m1 — ***Regenerative Viticulture***

Regenerative viticulture is a sustainable method for grape and wine production, focusing on **soil health**, **biodiversity**, **ecological resilience**, and **addressing community issues**.

m2 — ***Viticulture 4.0***

Agriculture 4.0 is a **precision farming** approach utilizing **advanced tools** and **technology** to improve economic, environmental, and **social sustainability**. It focuses on accurate **data analysis**, **IoT**, **Big Data**, **AI**, and **robotics**, enhancing efficiency and **reducing waste**.

m3 — ***Viticultural Data Management***

Viticultural data management focuses on enhancing **global viticulture development** and production systems by integrating data management with **precision agriculture technologies** for better decision-making and **increased productivity**.

m4 — ***Fostering Fair and Enabling Working Conditions***

Fair working **conditions** in viticulture are crucial for worker well-being and industry sustainability. Key considerations include **fair** wages, **safe** conditions, **reasonable** hours, child labor **elimination**, **social security**, training, worker **rights**, and fair trade. Compliance with **labor laws** and access to **education** are also essential.

m5 — ***New Challenges and Technologies, Business and Vineyard Management***

The focus will be on advanced sustainable management techniques, products, and technology for agriculture, focusing on climate change adaptation and crop security.

Who We Are

Associated partners:

aris formazione e ricerca legacoop

Stowarzyszenie ARID

Quercus

iNNOVEla sprl

LaUNIÓ Llauradora i Ramadera

EXELIA

VITISKILLS

GREEN AND DIGITAL SKILLS FOR SUSTAINABLE VITICULTURE

WE AIM TO MEET TRAINING NEEDS FOR SMART VITICULTURE

We address common training needs and deliver solutions shareable and applicable to the viticulture sector across the EU.

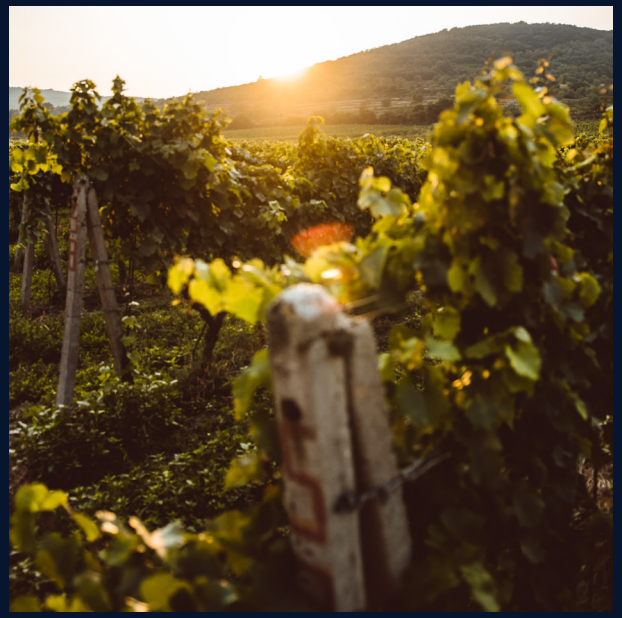
Co-funded by the European Union

EU is the **world-leading** producer of wine, accounting for **45% of global vineyard** areas **(3.2 million hectares)** and **64% of production** *(Eurostat, 2020)*. Nonetheless, according to EU agricultural outlook (2021-2031), EU wine production is expected to decline by 0.3% per year. In 2021, wine production was 13% lower compared to 2020, a reduction mainly attributed to the adverse weather conditions and resulting vine diseases.

This volatility is the outcome of major climatic hazards that are increasingly frequent and **unpredictable**; essentially, the development of EU viticulture is inherently linked to **climate change**, being both affected and at the same time contributing to it *(EEA, 2015)*.

As a response, EU has prioritised the promotion of **sustainable agriculture**, and has subscribed to relevant international commitments concerning climate change, with precise and smart farming being instrumental to developing sustainable, resource-efficient viticulture. Sustainable viniculture practices reduce production costs through energy & water savings, prevent (soil/air) pollution, and actually contribute to environmental conservation.

EU viticulture stands to benefit further from sustainable practices, as safeguarding and enhancing the crop's habitat can have a direct impact on the crop's phenotype. An additional issue, touching upon the social aspect of sustainability, is the diverse, temporary and mobile workforce occupied in vineyards during the harvest season; this seasonal workforce is often more vulnerable to precarious working conditions (EUROPARL, 2021).



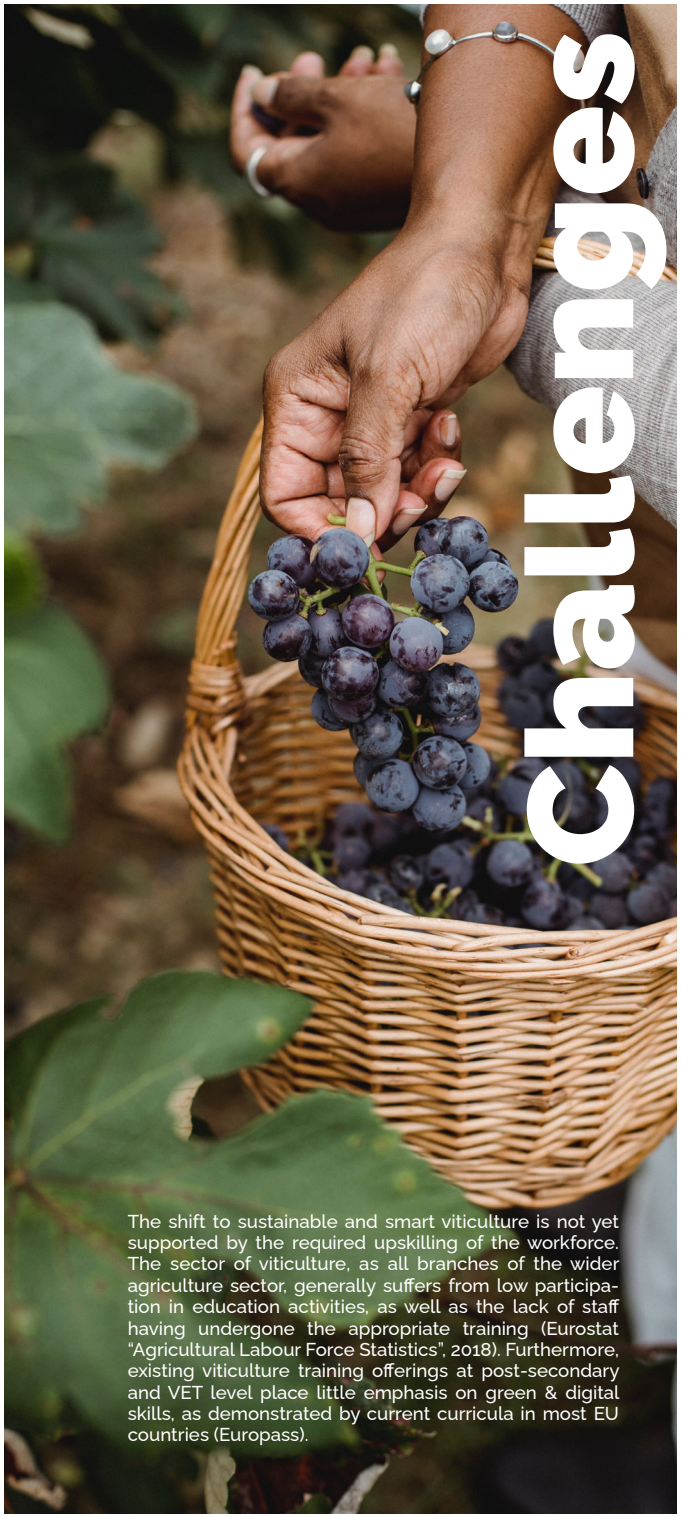
Objectives

Design, pilot-test and roll-out a comprehensive and up-to-date curriculum on green & digital skills for sustainable viticulture.

Introduce flexible training delivery methods & innovative open access educational resources to support self-paced skills acquisition and inclusiveness in training opportunities.

Foster the capitalisation of project results in VET practice, through the validation, recognition & integration of relevant occupational requirements into competence frameworks & certification schemes.

Deliver best practices & recommendations to address structural vulnerabilities concerning the professional development & training of vineyard workers, and promote digital literacy & environmental awareness in rural communities.



Challenges

The shift to sustainable and smart viticulture is not yet supported by the required upskilling of the workforce. The sector of viticulture, as all branches of the wider agriculture sector, generally suffers from low participation in education activities, as well as the lack of staff having undergone the appropriate training (Eurostat "Agricultural Labour Force Statistics", 2018). Furthermore, existing viticulture training offerings at post-secondary and VET level place little emphasis on green & digital skills, as demonstrated by current curricula in most EU countries (Europass).