FARCLIMATE



FONDAZIONE COMUNITARIA DI AGRIGENTO E TRAPANI

Organisation: Fondazione Comunitaria di Agrigento e Trapani (CFAT) – STIV Project Living Lab Host

Sector: Agriculture

Location: Provinces of Agrigento and Trapani, Sicily



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The Living Lab for Sustainable Transition in Viticulture (STIV) operates in the provinces of Agrigento and Trapani, Sicily, with the objective of supporting the ecological and digital transition of local winemakers. The case study addresses key regional challenges, including increasing climate pressures such as drought and soil degradation, socioeconomic vulnerability, and the fragmentation of small and medium-sized winegrowers.

STIV creates a collaborative, real-life experimentation environment where winemakers, vocational education and training (VET) institutions, researchers, technology providers, and local communities co-design and test sustainable and digitally enhanced viticulture practices. Through on-site experimentation in vineyards, the Living Lab validates AI-based decision-support tools, sustainable cultivation methods, and precision agriculture solutions adapted to local conditions.

The initiative also strengthens cooperation between producers, academia, and public institutions, while providing advanced training in green and digital skills. By developing replicable protocols and long-term collaboration frameworks, STIV aims to enhance resilience, competitiveness, and environmental stewardship in Western Sicily. Ultimately, the Living Lab seeks to position the Agrigento and Trapani viticulture ecosystem as a European model for innovation, sustainability, and territorial identity preservation.