

# Viticulture Technology and Innovation for Sannio Area Wines

## Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

V.In.Te.S.

Tematica

Agricoltura di precisione

Information

Time frame

2019 - 2022

Durata

36 months

Partners (no.)

7

Regione

Campania

Comparto

Viticultura

Localizzazione

ITF32 - Benevento

Costo totale

€342.541,62

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP019: Italy - Rural Development

Programme (Regional) - Campania

Parole chiave

Climate and climate change

Pest /disease control

Soil management / functionality

Farming practice

Food quality / processing and nutrition

Agricultural production system

Sito web

<https://www.vintes.net/>

Project status

ongoing

# vintes



## VITICULTURE 4.0

### Objectives

The VINTES project, implemented in the Sannio wine-growing area, has the general objective of spreading experiences, knowledge and technologies that have been developed and tested in other sectors of agricultural production, and in other wine-growing contexts, in parallel with the development of new technologies for the collection and integrated management of big data in agriculture.

### Activities

Rental and installation of weather stations. Soil mapping and analysis. Continuous monitoring of the vegetative vigor trend. Formation of the working group. Prototype development and implementation. Phytosanitary monitoring in certain phenological phases. Analysis of the grapes to evaluate their quality characteristics. Economic and environmental impact assessment.

### Context

The production context in which we go to work together with a strong orientation towards the production of quality wines, represents the basis for spreading effective production processes, sustainable both from an environmental and economic point of view, attentive to people and to the development of the territory and of the market.

The project therefore envisages the application and dissemination of a correct and sustainable architecture of digital technologies for small and micro-wine businesses with a closed supply chain, and the development of a specific **hardware / software tool** capable of collecting and managing data georeferenced in an automatic and simplified way, so as to be able to support the producer on important strategic production decisions (soil management, plant wall, and phytosanitary defense) in an efficient and

effective way.

#### Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	AGRODIGIT s.r.l.	Via Roma 103 82034 San Lorenzo Maggiore BN Italy	3273466150	agrodigitale@gmail.com
Partner	Il Poggio	Contrada Defenze 82030 Torrecuso BN Italy	0824804768	info@ilpoggiovini.it
Partner	Torre dei Chiusi	Località Limiti 1 82030 Torrecuso BN Italy	3396161321	dpulcino@libero.it
Partner	Cantina Morone	Via Municipio 199 82034 Guardia Sanframondi BN Italy	0824864340	info@morone.it
Partner	CREA - Centro ricerca Viticoltura ed Enologia	Viale Santa Margherita 80 52100 Arezzo AR Italy	0575353021	vic@crea.gov.it
Partner	Università degli studi del Sannio - Dipartimento di Scienze e Tecnologie	Via Calandra, 4 82100 Benevento BN Italy	0824 305170	scienze@unisannio.it
Partner	Confederazione Italiana Agricoltori BN	Via delle Puglie 30 82100 Benevento BN Italy	0824481612	benevento@cia.it

#### Pratiche abstract

##### Description

Benevento represents an important reality for regional wine production, with 45.2% of UAA planted in the whole Campania region. Although in these areas there is a high level of specialization and the average company size is more than double compared to the average regional figure, the medium and small wineries of the Sannio, have a structural disadvantage in terms of size compared to more developed areas. These have a low degree of diffusion in Italy for two main reasons:

- the implementation of digital technologies in the company requires huge investments in technologies that medium and micro-enterprises are unable to sustain;
- geographic data management systems (GIS) require a level of expertise not always available within the companies themselves.

The usability level of an instrument is therefore defined as "the degree to which a product can be used by particular users to achieve certain objectives with efficacy, efficiency and satisfaction in a specific context of use". The objective of the project is to create integration of **precision farming techniques and technologies** to improve the sustainability of quality wine production, through company computerization and the development of a low-cost system (hardware / software), which allows manage the data in all its phases in a usable and integrated way (collection, analysis, management, archive), as well as to disseminate tools to support decisions for the phytoiatric defense already available on the market.

Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del Progetto	<a href="https://www.vintes.net/">https://www.vintes.net/</a>	Sito web
Sito web AGRODIGIT	<a href="https://www.agrodig.it/">https://www.agrodig.it/</a>	Link ad altri siti che ospitano informazioni del progetto