

NOVIAGRI New applications Of Vegetation Indexes in AGRiculture

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

NOVIAGRI

Tematica

Agricoltura di precisione

Information

Time frame

2020 - 2023

Durata

36 months

Partners (no.)

16

Regione

Piemonte

Comparto

Viticultura

Localizzazione

ITC17 - Asti

Costo totale

€702.801,06

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP009: Italy - Rural Development

Programme (Regional) - Piemonte

Parole chiave

Water management

Farming equipment and machinery

Farming practice

Project status

completed



Objectives

The goals of the project focus mainly on plant protection and disease control in vineyards, through the management of phytosanitary treatments and the formulation of protocols for pest control

Activities

The NOVIAGRI project is expected to accomplish the following goals:

- realization of a sprayer with automatic distribution management;
- implementation of a smartphone app;
- DSS (Decision Support System) for the in-field identification of infected plants

Context

The NOVIAGRI project aims to develop practical and concrete solutions to the following issues:

1. occupational health and safety (in the agricultural sector);
2. environmental protection;
3. consumers demand for safer and chemical residues free food products.

In this context, stands out the need for vine growers to adopt more rational pest management practices, aiming to better efficacy, fewer environmental impacts and lower costs.

These elements constitute the main concerns addressed by vine-growers, members of the Barbera d'Asti e Vini del Monferrato consortium, in demanding for a collective action aiming to verify the existence of technical solutions and low cost initiatives, to be easily adopted by vine-workers and technicians for addressing the above-mentioned issues.

Particularly, the consortium acquired an area, paced at the boundaries of several municipalities (Agliano Terme, Nizza Monferrato, San Marzano Oliveto, Castelnuovo Calcea, Mombercelli, Vinchio e Calosso), characterized by the coexistence of different phenomena:

- high flavescence dorée infection rate;
- presence of farms with low innovation rates (in fact, in the Northern area, due to the prevalence of small-holders and to the loss of income, the vine growing sector is characterized by low innovation and industrialization rates)

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Consorzio Barbera d'Asti e vini del Monferrato	Piazza Vittorio Emanuele II, 10 14055 Costigliole d'Asti AT Italy	0141 324368	consorzio@viniastimonferrato.it
Partner	VASSALLO DELFINO & P. SRL	Via Vivaro 21/b 12051 Alba CN Italy	0173 591276	e.vassallo@vassallo-delfino.it
Partner	Università degli Studi di Torino - Dipartimento di Scienze Agrarie, Forestali e Alimentari (DiSAFA)	Via Largo Braccini,2 10095 Grugliasco TO Italy	011 6708791	michele.lonati@unito.it
Partner	CSP - INNOVAZIONE NELLE ICT s.c.a.r.l.	Strada del Lionetto, 6 10146 Torino TO Italy	0114815111	innovazione@csp.it
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Partner	SPEZIA SRL	Via Mascaretti,68 29010 Pianello Val Tdione (PC) PC Italy	0523998815	posta@tecnovit.com
Partner	P. A. Giacoppo Salvatore	via Roma,19 14010 Revigliasco d'Asti AT Italy	3387455969	giacoppo@libero.it

Role	Azienda	Address	Telephone	E-mail
Partner	BERSANO VIGNETI SRL SOCIETA' AGRICOLA	Piazza Dante 21 14045 Nizza Monferrato AT Italy		filippo.mobrici@bersano.it
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Partner	AZIENDA AGRICOLA LAIOLO DAVIDE	Via Cortiglione 6 14040 Vinchio AT Italy	346-6363485	info@vinilaiolo.com
Partner	AZIENDA AGRICOLA BARBERO ENRICO	Via Crocetta, 691 14047 Mombercelli AT Italy		enrico@barberoscavi.com
Partner	Azienda Agricola Ivaldi Dario di Ivaldi Andrea	Strada Scrimaglio 17 14049 Nizza Monferrato AT Italy	0141-721101	info@vinivaldi.it
Partner	CASCINA REY DI MONTICONE MONICA	Frazione Variglie, 58 14100 Asti AT Italy	0141-208115	monicamonticone@gmail.com

Pratiche abstract

Description

Development of hardware and software for the download of sprayer prototype distribution data

Description

Smartphone app for the correct setting of the sprayer machine

Description

DSS to recognize the infected plants (virosis, yellowish, Esca complex) in a vineyard

Description

Fight Protocol for epidemic diseases (viruses, yellows, Esca complex)

Link utili

Titolo/Descrizione	Url	Tipologia
Video del progetto	https://www.youtube.com/watch?v=XGOBKso4TZ8&t=20s	Materiali utili
Pagina web sul dito del Capofila	https://www.viniastimonferrato.it/ricerca/noviagri/	Link ad altri siti che ospitano informazioni del progetto
Video dell'evento finale	https://youtu.be/l2IO9Or5POM	Materiali utili
