

Agrotech innovation transfer to Basilicata agricultural system. GO Agrotech Basilicata

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

AGROTECH BASILICATA

Tematica

Agricoltura di precisione

Information

Time frame

2018 - 2021

Durata

36 months

Partners (no.)

17

Regione

Basilicata

Comparto

Multifiliera

Localizzazione

ITF51 - Potenza

ITF52 - Matera

Costo totale

€260.000,00

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP017: Italy - Rural Development

Programme (Regional) - Basilicata

Parole chiave

Farming equipment and machinery

Plant production and horticulture

Agricultural production system

Project status

completed



Objectives

Decreasing the intensive use of pesticides, irrigation and fertilizer by rational and accurate applications of inputs is a must for farmers both for competitiveness and environmental sustainability. Precision agriculture technologies (PAT), using remote and proximal sensing, can provide farmers with powerful tools able to diagnose and suggest accurate treatments in field and orchards. The projects intends to deploys pecific PATs innovations in farm environment in order to show the efficacy and power of ICT applications in agriculture.

Activities

The project aims at transferring 4 innovative applications of Precision Agriculture (PA) to Basilicata farms, and more in general to stimulate the adoption of PA technologies by Basilicata farmers. The activities are concentrated on the tailoring and adaptation of the technologies to the context, by also Best Practices exchange with extraregional developers, on introducing PA technologies via on field demonstration activities, to evaluate the impact and finally to sieeminate the results at territorial, national and Europea level. The project operates horizontally on several agricultural sectors, particularly cereals, horticultural and fruit crops, and wine productions

Partenariato

Trasferimento di innovazioni agrotech al sistema agricolo della Basilicata. Costituzione GO Agrotech Basilicata

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<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/trasferimento-di-innovazioni-agrotech-al-sistema>

Role	Azienda	Address	Telephone	E-mail
Leader	ALSIA - Agenzia Lucana di Sviluppo e di Innovazione in Agricoltura	Via Annunziatella 64 75100 Matera MT Italy	0835.244111	urp@alsia.it
Partner	Azienda agricola Dichio Agostino	Via Andriulli Caporale 8 75024 Montescaglioso MT Italy	0835 208586	
Partner	Azienda agricola Cantine di Venosa	Via Appia 86 85029 Venosa PZ Italy	0972 36702	nfo@cantinadivenosa.it
Partner	Azienda Agricola Zuccarella Rocco	Via Parisi 16 75020 Scanzano Jonico MT Italy	0835 954209	info@zuccarella.com
Partner	Azienda Agricola Quinto Graziantonio	Via Francia 61 75028 Tursi MT Italy		
Partner	Azienda Agricola Clemente Rocco Luigi	Viale Kennedy 59 75024 Montescaglioso MT Italy	0835 202108	
Partner	Azienda Agro - Zootecnica Lopinto	Via G. D'Annunzio 1M 85025 Melfi PZ Italy		info@masserialopinto.it
Partner	Agrifooddesign stp-srl	Piazza dei Centomila 1 75020 Scanzano Jonico MT Italy		info@agrifooddesign.it

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Role	Azienda	Address	Telephone	E-mail
Partner	Società Agricola Fuina Leonardo	Borgo Andriace SNC 75020 Scanzano Jonico MT Italy		
Partner	Consorzio TERN - Tecnologie per le Osservazione della Terra ed i Rischi Naturali	C.da S. Loja 85050 Tito Scalo PZ Italy	0971 427407	segreteria@tern.it
Partner	CNR-ISM	Via del Fosso del Cavaliere 100 00133 Roma RM Italy	06 49934155	direttore@ism.cnr.it
Partner	CNR-IMAA	C/da Fontanelle 85052 Marsico Nuovo PZ Italy	0971 427401	info.imaa@imaa.cnr.it
Partner	Istituto di ricerca Ingenia	Via Marco Biagi 6 73100 Lecce LE Italy	0832 1836592	
Partner	Studio De Agricoltura	Via Santa Maria Greca 5 70033 Corato BA Italy	329 6627644	info@deagricoltura.it
Partner	CREA-AA Agricoltura e Ambiente	Via della Navicella 4 00184 Roma RM Italy	055 2492256	aa@crea.gov.it
Partner	Università degli Studi della Basilicata - Scuola di Ingegneria	Via dell'Ateneo Lucano 10 85100 Potenza PZ Italy	0971 205104	scuolaingegneria.ricerca@unibas.it

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Role	Azienda	Address	Telephone	E-mail
Partner	Università degli Studi della Basilicata - Scuola di Scienze Agrarie, Forestali, Alimentari ed Ambientali	Viale dell'Ateneo Lucano 10 85100 Potenza PZ Italy	0971 205409	safe.direttore@unibas.it

Pratiche abstract

Description

The first project result consists in the implementation of the PROSIT system, a Precision Agriculture (PA) technology applied on vineyards based on satellite remote observations. The principal output provided by the system is plant stress georeferenced map, able to provide accurate informations on water status. The technology provides a strong support for the optimal and accurate management of irrigation. Linked to and automated open field irrigation system, PROSIT allow to gain water savings, with a reduction in productions costs, ensuring quality and yield. PROSIT implementaion will be carried out by open field demonstartion trials, that will be opent to acces to stkeholders and operators in specific Open Days.

Description

The secon Project result concerns the application of a PA technology, named UNIBAS, that links proximity sensors mounted on unmanned vehicles able to move with centimetric accuracy. The technology is suited for crops filed, guaranteeing minimum tillage and accurate fertilization or pesticides treatments, related to the specific conditions measured by the sensors. UNIBAS technology will be demosntrated at farm level by open field demonstration trialscarried out in cereal farms. UNIBAS allows to obtain important results in keeping soil structure and fertility, in the precision of the distribution of fertilizers and agropharmaceuticals, contributing in reducing costs and icnreasing emvironmental sustainability.

Link utili

Titolo/Descrizione	Url	Tipologia
Pagina Facebook del progetto	https://www.facebook.com/groups/287350761737298/?locale=it_IT	Link ad altri siti che ospitano informazioni del progetto
Video di Avvio del progetto GO Agrotech Basilicata	https://www.youtube.com/watch?v=OwIT1ZBLxjY	Materiali utili