

Application of remote sensing for the productive and qualitative improvement of cereals for advanced supply chains

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

TELECER

Tematica

Agricoltura di precisione

Information

Time frame

2021 - 2023

Durata

34 months

Partners (no.)

11

Regione

Piemonte

Comparto

Cerealicoltura

Localizzazione

ITC11 - Torino

ITC16 - Cuneo

Costo totale

€591.045,62

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP009: Italy - Rural Development

Programme (Regional) - Piemonte

Parole chiave

Climate and climate change

Farming/forestry competitiveness and diversification

Pest /disease control

Fertilisation and nutrients management

Soil management / functionality

Water management

Agricultural production system

Sito web

<https://www.telecer.it/>



Objectives

The objective of the project is to make the innovations for the agrotechnical management of stress factors (irrigation, fertilization, defense) accessible to the cereal companies of Piedmont through the guidance offered by the satellite systems of multispectral optical remote sensing in correspondence of a process control plan selective and orientation of production lots. In other words, to activate a company assistance service to optimize the management of agrotechnical practices and collection for storage centers aimed at enhancing agricultural products.

Activities

The aim of the project is to enhance an Extension Service to the farmers able to be utilized by all the cereal farms, the storage center, the organization of producers through the introduction of the remote sensing driven by satellite (Sentinel 2).

The expected results concerns the setup of a remote sensing Service effective and applicable to all the area; the Service will drive the management of the stress, of the agricultural practices and the quality variability of cereal and the other crop of the cooperatives.

Context

CAPAC is the principal operator on cereal production and trade in Piemonte. CAPAC is a cooperative of second level that gather 11 cooperatives with 2293 farms associated.

The contest of these farms is the typical one of those devoted to the cereal and other industrial crops. These farms mainly need:

Applicazione del telerilevamento per il miglioramento produttivo e qualitativo dei cereali per le filiere avanzate

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<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/applicazione-del-telerilevamento-il-miglioramento>

Project status
ongoing

to support the economical income through the transformation of the commodities, as maize, wheat, barley, soybean etc, in specialties;
to enhance the control of environmental limits and stress, the application of remote sensing to small farms, to drive the optimization of the post-harvest process of the specialties; to implement the traceability of the production with the composition of more homogenous lots with define quality

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	CAPAC - Consorzio Agricolo Piemontese per Agroforniture e Cereali - Società Cooperativa	C.so Francia, 329 10142 Torino TO Italy	335 7721866	carlo.ferrero@capacscrl.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	Fondazione Podere Pignatelli	Frazione Madonna Orti, 49 10068 Villafranca Piemonte TO Italy	011 980 7021	info@poderepignatelli.it
Partner	GENEGIS GI SRL	Lungo Dora Pietro Colletta, 67 10143 Torino TO Italy	011 4548 472	l.raso@genegis.net
Partner	Azienda Agricola Andrea Balegno	VIA RONDISSONE 14 10030 VILLAREGGIA TO Italy		
Partner	Azienda Agricola Argano Alessio	VIA CAMPAGNA, 10 10034 Chivasso TO Italy		
Partner	Azienda Agricola Gemello Stefano	VIA VILLANOVA 34 14021 Buttigliera d'Asti AT Italy		

Applicazione del telerilevamento per il miglioramento produttivo e qualitativo dei cereali per le filiere avanzate

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Role	Azienda	Address	Telephone	E-mail
Partner	Cascina Secondina di Nicola Diego e Francesco	Via Cascina Secondina, 50 10060 Castagnole Piemonte TO Italy		
Partner	Azienda Agricola Cascina Ruscalla Di Bertello Dario	VIA PRATORINALDO, 12/1 10067 Vigone TO Italy		
Partner	Azienda Agricola Mautino Andrea	VIA PONTE CHIUSELLA, 124 10090 Romano Canavese TO Italy		
Partner	Azienda Agricola Avanteo Alberto	REGIONE TETTI FAULE 52 10041 CARIGNANO TO Italy		

Pratiche abstract

Description

better and more effective management of specialties. Guiding agrotechnics in a precise and timely way, through the innovation developed by the Project, will allow to minimize water, nutritional and biotic stresses; very marked reduction of the above-mentioned downgrades... recovery of at least 10% of special product and increase of the specials themselves

Description

innovations for the agrotechnical management of stressors (irrigation, fertilization, defense) through the guidance offered by satellite multispectral optical remote sensing systems at a plan for the control of selective processes and orientation of production batches.

Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del progetto	https://www.telecer.it/	Sito web