

## Precision farming: reduction of the environmental impact of production systems

### Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

S.A.T. SMART AGRICULTURE TEAM

Tematica

Agricoltura di precisione

Information

Time frame

2019 - 2022

Durata

36 months

Partners (no.)

6

Regione

Marche

Comparto

Multifiliera

Costo totale

€400.000,00

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP008: Italy - Rural Development Programme (Regional) - Marche

Parole chiave

Pest /disease control

Farming equipment and machinery

Food quality / processing and nutrition

Sito web

<https://www.impresaverdemarche.it/progetto-29000-s-a-t/>

Project status

completed



### Objectives

The project has the following objectives:

- creation of an intelligent and real-time monitoring system consisting of a smart IT platform integrated with the sensors in the field, able to support crop management in the optimization of nitrogen inputs;
- testing and validation of the spatialization model of regional agro-meteorological data;
- definition of new services and new business models;
- definition of economic and environmental indices that measure the benefits of precision farming techniques;
- definition of risk management and insurance models.

### Context

The main crops in the Marche region are essentially the following: cereals among arable crops and vineyards and olive groves among specialized plants. The area cultivated with cereals decreases (from 43.4% of the UAA in 2000 to 38.6% in 2010) with the exception of durum wheat whose extension remains almost unchanged (just over 136 thousand hectares in 2010, from 27.8% of UAA in 2000 to 28.9% in 2010).

This means that the average area planted with durum wheat amounts to 135,000 ha

It should also be noted that previously indicated that durum wheat is one of the most representative crops of the Marche, the region is the third largest producer of durum wheat in Italy.

In total the AZ Agr present in the region are 44.866 (ISTAT 2010) of which half produce arable crops in rotation (22.500)

.The subjects indirectly interested are first of all the transformers starting from the stackers; in the brands there are 22 storage centers between

cooperatives and production companies.

## Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Consorzio Agrario Adriatico Società Cooperativa	Via Santa Rita da Cascia 119 47521 Cesena FC Italy	0747633511	segreteria@caiforli.com
Partner	ASSAM - Agenzia Servizi Settore Agroalimentare delle Marche	Via Industria 1 60027 Osimo AN Italy	071 8081	info@assam.marche.it
Partner	Filipetti s.p.a.	Via Marconi 100 60015 Falconara Marittima AN Italy		
Partner	Pegaso Management s.r.l.	Via Metauro 74/C 60126 Ancona AN Italy		
Partner	Impresa Verde Marche	Via Matteotti, 7 60121 Ancona AN Italy	071 207991	impresaverde.marche@coldiretti.it
Partner	Università Politecnica delle Marche	Piazza Roma, 22 60121 Ancona AN Italy	0712 204918	info@univpm.it

## Pratiche abstract

### Description

Creation of an intelligent and real-time monitoring system consisting of a smart IT platform integrated with the sensors in the field, able to support crop management in the optimization of nitrogen inputs.

### Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del progetto	<a href="https://www.impresaverdemarche.it/progetto-29000- s-a-t/">https://www.impresaverdemarche.it/progetto-29000- s-a-t/</a>	Sito web
Pagina Facebook	<a href="https://www.facebook.com/psrimpresaverdemarche/">https://www.facebook.com/psrimpresaverdemarche/</a>	Link ad altri siti che ospitano informazioni del progetto
Pagina web	<a href="http://www.assam.marche.it/progetti-misura-16-1-psr-marche/1109-agricoltura-di-...">http://www.assam.marche.it/progetti-misura-16-1-psr-marche/1109-agricoltura-di-...</a>	Sito web
Video - La piattaforma Smart Agri per la gestione del grano duro: funzionalità e applicazioni	<a href="https://youtu.be/B20UqdUSoa4">https://youtu.be/B20UqdUSoa4</a>	Materiali utili
Video - Demo della Piattaforma Smart Agri: Una guida operativa per l'utente	<a href="https://youtu.be/GTMmlUQOY3s">https://youtu.be/GTMmlUQOY3s</a>	Materiali utili
Agricoltura di precisione: riduzione dell'impatto ambientale dei sistemi produttivi	<a href="https://www.impresaverdemarche.it/wp-content/uploads/2019/06/AGRICOLTURA-DI-PRE...">https://www.impresaverdemarche.it/wp-content/uploads/2019/06/AGRICOLTURA-DI-PRE...</a>	Materiali utili
Manuale Utente Piattaforma SAT	<a href="https://www.impresaverdemarche.it/wp-content/uploads/2019/06/Manuale-Piattafrom...">https://www.impresaverdemarche.it/wp-content/uploads/2019/06/Manuale-Piattafrom...</a>	Materiali utili