

Intelligent irrigation for the management of permanent meadows in the Enza valley

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

PRATI SMART

Tematica

Robotica-automazione

Information

Time frame

2021 - 2022

Durata

20 months

Partners (no.)

6

Regione

Emilia-Romagna

Comparto

Coltivazioni foraggere

Localizzazione

ITH52 - Parma

ITH53 - Reggio nell'Emilia

Costo totale

€199.991,05

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP003: Italy - Rural Development

Programme (Regional) - Emilia Romagna

Parole chiave

Climate and climate change

Water management

Farming equipment and machinery

Farming practice

Agricultural production system

Sito web

http://pratismart.crpa.it/nqcontent.cfm?a_id=22321

Project status

completed



Objectives

The project's objective is to introduce significant innovations for the environmental and economic sustainability of agricultural systems in Emilia Romagna that are largely dependent on water withdrawal from the Apennine streams. Specifically, the aim is to favour the efficient use of water resources on the permanent meadows of the Val d'Enza territory, typically irrigated with surface water derived from the Enza river or underground water from wells. Automatic irrigation water management systems will be tested, with the aim of varying the flow rate over time in order to modulate the supply of proper irrigation volumes to the fields.

Activities

The project includes the following activities:

- a) field test of innovative equipments (floodgates and sensors), starting from installation, start-up, finetuning, up to remote management and verification of hydraulic and irrigation effects;
- b) verification of agronomic effects of the use of innovative equipment in the management of irrigation volumes;
- c) evaluation of the farm's economic aspects related to the use of innovative equipment in the management of irrigation volumes;
- d) scenario evaluation on the evolution of the permanent meadows areas in Val d'Enza, which considers various levels of diffusion of the innovative equipment proposed in the project.

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	C.R.P.A. S.p.A.	V.le Timavo 42/2 42121 Reggio Emilia RE Italy	0522 436999	info@crpa.it
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Partner	Fondazione CRPA Studi Ricerche	Viale Timavo 43/2 42121 Reggio Emilia RE Italy	0522- 436999	info@fondazionecrpa.it
Partner	Pelosi Pier Antonio	Via Montenero 4 42049 Sant'Ilario d'Enza RE Italy	0522 679193	info@agricolapelosi.it
Partner	Società Agricola Podere Querceto	Via Ludovico Ariosto, 84 42021 Bibbiano RE Italy	0522 883148	erika@poderequerceto.it

Pratiche abstract

Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del progetto	http://pratismart.crpa.it/nqcontent.cfm?a_id=22321	Sito web
I risultati di Prati Smart in TV	https://www.youtube.com/watch?v=3Q8Fs9rhCg4	Materiali utili
Prati Smart spiegato in un video clip	https://www.youtube.com/watch?v=MqA9TlscUGI	Materiali utili

L'irrigazione intelligente per il mantenimento del prato stabile polifita in Val d'Enza

3/3

<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/lirrigazione-intelligente-il-mantenimento-del-prato>

Titolo/Descrizione	Url	Tipologia
Opuscolo finale	https://pratismart.crupa.it/media/documents/pratismart_www/documenti/GOI_opuscol...	Materiali utili
Prati Smart in sintesi	https://sway.office.com/r0C1x3ML1A0BiHda?ref=Link	Materiali utili
Newsletter n. 1	https://pratismart.crupa.it/media/documents/pratismart_www/documenti/newsletter/...	Materiali utili
Newsletter n. 2	https://pratismart.crupa.it/media/documents/pratismart_www/documenti/newsletter/...	Materiali utili
Newsletter n. 3	https://pratismart.crupa.it/media/documents/pratismart_www/documenti/newsletter/...	Materiali utili