

Technological innovation in irrigation

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

ACQUA SMART

Tematica

Agricoltura di precisione

Information

Time frame

2021 - 2022

Durata

21 months

Partners (no.)

4

Regione

Emilia-Romagna

Comparto

Multifiliera

Localizzazione

ITH55 - Bologna

ITH56 - Ferrara

Costo totale

€199.659,59

Fonte di finanziamento principale

Programma di sviluppo rurale

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2014IT06RDRP003: Italy - Rural Development

Programme (Regional) - Emilia Romagna

Parole chiave

Fertilisation and nutrients management

Water management

Farming equipment and machinery

Agricultural production system

Sito web

<https://consorziocer.it/it/ricerca-esperimentazione/acquacampus>

Project status

completed



Objectives

The present project contributes to the automate of irrigation and fertigation both at the level of

Irrigation Boards and at the farm level providing integrated control tools applicable to the irrigation

delivery networks, fertigation distribution systems and irrigation machines.

In addition, the plan aims to provide guidelines and decision support systems for the modernization of water distribution systems.

Finally, such results and innovations will be physically available together with modern irrigation

systems in Acqua Campus. Here, demonstration and dissemination activities will take place to foster

the diffusion of progresses in efficient irrigation.

Activities

Project's activities will be divided in three major parts. In the first, it will take place the development

of data-exchange protocols of the irrigation delivery network and fertigation banks. The second

activity will communicate the site-specific irrigation advice with the processing protocols of an

irrigation machine equipped with variable rate technology.

In the third activity, the new materials of the irrigation systems will be tested to propose the new

criteria of company irrigation efficiency.

A further activity will serve to promote the innovations produced, aggregating them in an exhibition

area that brings together all the most innovative irrigation technologies.

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Consorzio di bonifica di secondo grado per il Canale Emiliano Romagnolo	Via Ernesto Masi 8 40137 Bologna BO Italy	0514298811	cer@consorziocer.it
Partner	C.I.P.O.F. S.C.A. - COOPERATIVA INTERCOMUNALE PRODUTTORI ORTOFRUTTICOLI SOCIETA' COOPERATIVA AGRICOLA	Via Chiavica, 28 41039 San Possidonio MO Italy	053539937	cipof@cipof.it
Partner	CRPV Soc. Coop. Centro Ricerche Produzioni Vegetali	Via dell'Arrigoni 120 47522 Cesena FC Italy	0547313571	ortofrutticola@crpv.it
Partner	DINAMICA s.c.a r.l.	Via Bigari 3 40128 Bologna BO Italy	051 360747	info@dinamica-fp.it

Pratiche abstract

Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del progetto	https://consorziocer.it/it/ricerca-e-sperimentazione/progetti/acqua-smart/	Sito web
Reportage giornalistico su Acqua Campus	https://www.youtube.com/watch?v=MmvAp_7SIUQ	Materiali utili
video del progetto	https://www.youtube.com/watch?v=vjWkWNGzggo	Materiali utili
Software per la valutazione dell'efficienza irrigua	https://app.consorziocer.it/decidirri	Link ad altri siti che ospitano informazioni del progetto

Titolo/Descrizione	Url	Tipologia
Tabella efficienza impianti irrigui	https://consorziocer.it/media/documents/Tabella_efficienza_impianti_irrigui.pdf	Materiali utili
