

Active management of the surface water and shallow groundwater for controlling salt water intrusion

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

Gestfalda

Tematica

Risorse idriche

Information

Time frame

2021 - 2022

Durata

20 months

Partners (no.)

6

Regione

Emilia-Romagna

Comparto

Cerealicoltura

Localizzazione

ITH56 - Ferrara

ITH57 - Ravenna

Costo totale

€199.996,87

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP003: Italy - Rural Development

Programme (Regional) - Emilia Romagna

Parole chiave

Water management

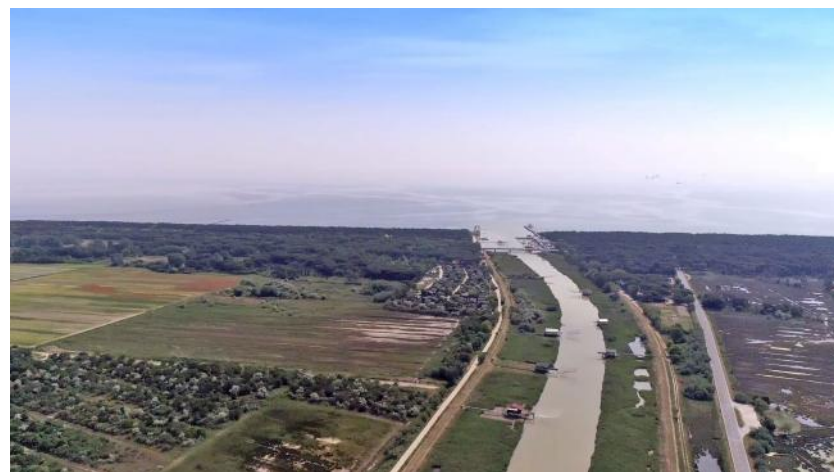
Agricultural production system

Sito web

<https://rinova.eu/it/progetti/gest-falda-contrasto-alla-risalita-del-cuneo-sali...>

Project status

completed



Objectives

The project aims to provide information and operational tools (new modules in the DSS IrriNet

managed by CER) to Reclamation Consortia and farmers located in coastal area of the Emilia-

Romagna Region, for improving the management of irrigation water in order to reduce salinity in

water and soils, as well as enhancing the yield of rice as a resilient barrier for marginal agricultural

areas. The economical and environmental impacts of wetlands and channels will be estimated through the effects analysis of water management in critical areas.

Activities

The main activities of the project will consist in evaluating the water leakage effects of the Gronda

channels and wetlands to control brackish groundwater upward seepage and soil salinization. At the

same time, scenarios will be produced, through hydrological models, to optimize water management,

also to prevent, in some areas, a reduction of soil depth available for crops, due to subsidence. Through field monitoring and modeling, two new modules on IrriNet, for leaching requirement and irrigation scheduling of rice, will be calibrated and validated.

Partenariato

Gestione attiva della falda ipodermica per il contrasto alla risalita del cuneo salino

2/2

<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/gestione-attiva-della-falda-ipodermica-il-contrasto-alla>

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Pratiche abstract

Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del progetto	https://rinova.eu/it/progetti/gest-falda-contrasto-alla-risalita-del-cuneo-sali...	Sito web
Pagina web del progetto su CRPV	https://progetti.crpv.it/Home/ProjectDetail/86	Link ad altri siti che ospitano informazioni del progetto