



ONLINE PROFESSIONAL  
IRRIGATION SCHEDULING  
EXPERT SYSTEM

**DL 05.12**

SEVENTH FRAMEWORK PROGRAMME  
THEME 2: Biotechnologies, Agriculture, Food Collaborative Project

**Start date:**01/12/2013  
**End date:**30/11/2015 (24 months)

“Project Merchandizing and Web Page”

**Lead Beneficiary:** [CEBAS]  
**Dissemination Level :** PU = Public  
**Nature:** R = Report

**Version 10**

*Written by : CEBAS*  
*Checked by : CEBAS*  
*Validated by : COORDINATOR*  
*Due date of the deliverable: 30/05/2014*  
*Delivered on: 09/06/2014*

LOGO

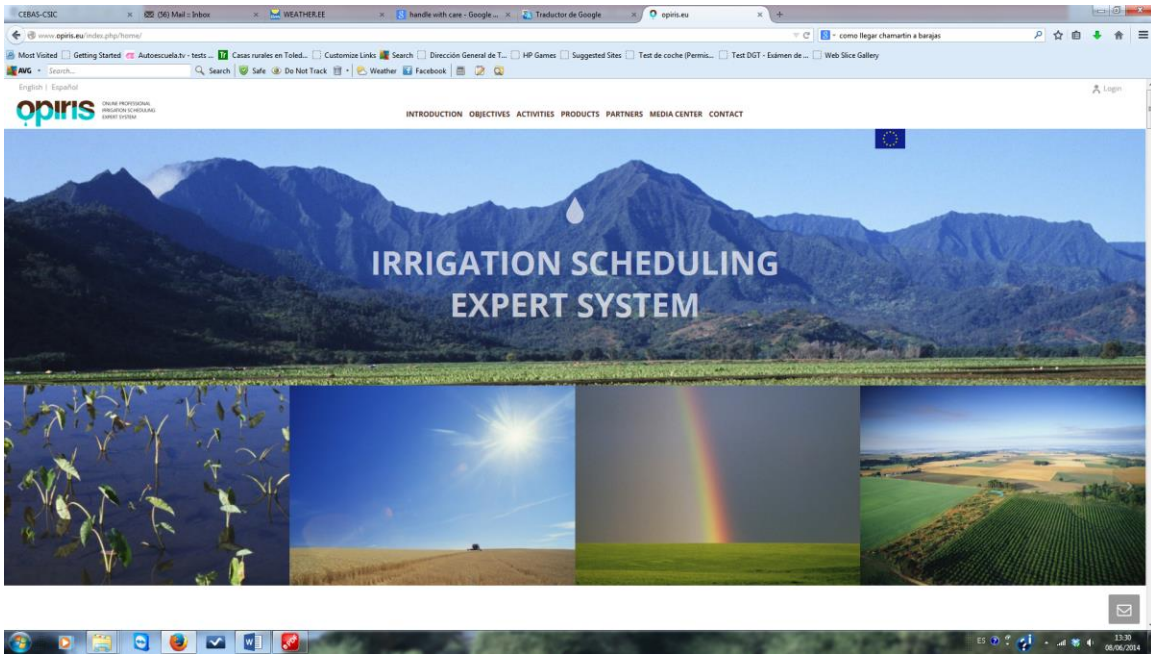


ONLINE PROFESSIONAL  
IRRIGATION SCHEDULING  
EXPERT SYSTEM



ONLINE PROFESSIONAL  
IRRIGATION SCHEDULING  
EXPERT SYSTEM

[WWW.OPIRIS.EU](http://WWW.OPIRIS.EU)



CEBAS-CSC | (D6) Mail : Inbox | WEATHER.EE | handle with care - Google... | Traductor de Google | opiris.eu

www.opiris.eu/index.php/home/

Most Visited | Getting Started | Autocscueta.tv - tests... | Casas rurales en Toledo... | Customise Links | Search | Direccion General de T... | HP Games | Suggested Sites | Test de coche (Permis... | Test DGT - balmen de... | Web Slice Gallery

opiris

INTRODUCTION OBJECTIVES ACTIVITIES PRODUCTS PARTNERS MEDIA CENTER CONTACT

### ACTIVITIES

**WP 1**  
Validation of results from previous FP projects

WP1 aims to validate, on a real scale, results obtained from previous FP projects. Compilation of information for creating a database that provides irrigation decision makers at farm level with practical information on water and fertilizer consumptions as affected by irrigation-related techniques and scheduling methods.

**WP 2**  
Development of the OPIRIS methodology and Algorithms

This work package aims at linking mathematical algorithms to data records continuously downloaded from the users sensors through the cloud into the OPIRIS server for automatic processing, analysis and interpretation in field conditions for fruit tree production in regards to performance and variability for different agricultural conditions.

**WP 3**  
Opiris system testing on Fruit tree exploitations

This work package aims at testing OPIRIS sensors, data transfer, analysis and interpretation in field conditions for fruit tree production in regards to performance and variability for different agricultural conditions.

WP 4      WP 5      WP 6

CEBAS-CSC | (D6) Mail : Inbox | WEATHER.EE | handle with care - Google... | Traductor de Google | opiris.eu

www.opiris.eu/index.php/home/

Most Visited | Getting Started | Autocscueta.tv - tests... | Casas rurales en Toledo... | Customise Links | Search | Direccion General de T... | HP Games | Suggested Sites | Test de coche (Permis... | Test DGT - balmen de... | Web Slice Gallery

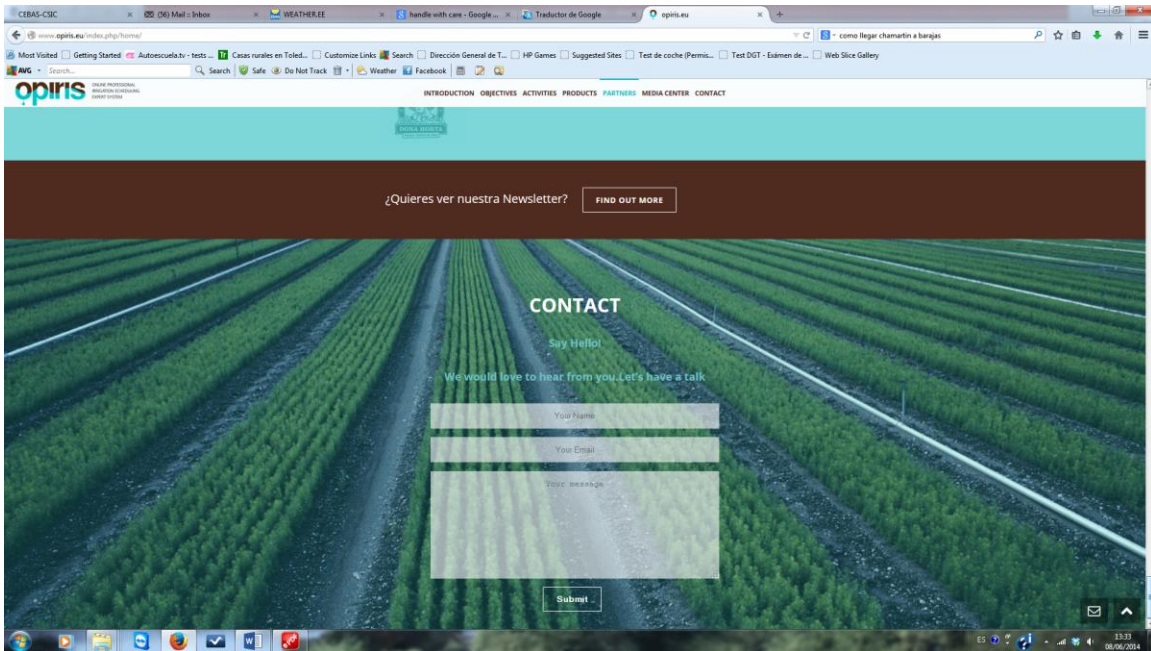
opiris

INTRODUCTION OBJECTIVES ACTIVITIES PRODUCTS PARTNERS MEDIA CENTER CONTACT

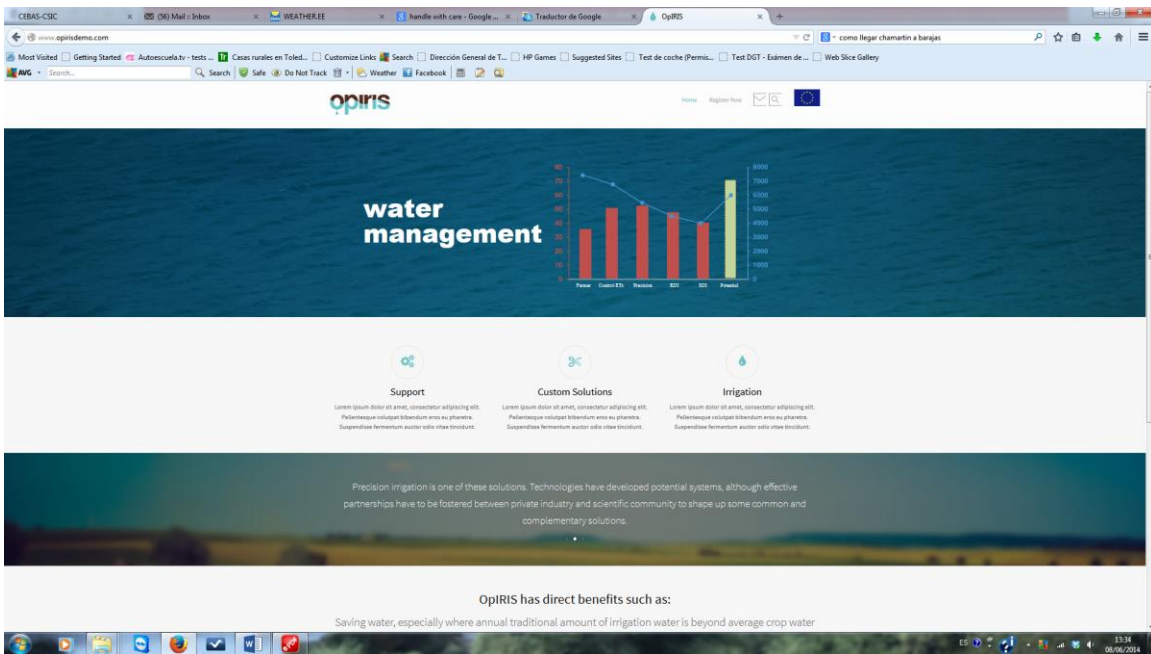
¿Quieres ver nuestra Newsletter? [FIND OUT MORE](#)

**CONTACT**

Say Hello!



<http://www.opirisdemo.com/fruit-trees/>



CEBAS-CSC x (6) Mail : Inbox x WEATHER.EE x handle with care - Google... x Traductor de Google x Opiris | Fruit Trees x

www.opiris.com/fruit-trees

Most Visited Getting Started Autocueva.tv - tests... Casas rurales en Toledo... Customized Links Search Dirección General de T... HP Games Suggested Sites Test de coche (Permis... Test DGT - Examen de... Web Slice Gallery

AVG Search Safe Do Not Track Weather Facebook

opiris Home Register Now

## Fruit Trees

Select Crop and just follow the steps.

**FRUIT TREES FILTERS**

Crop: Citrus


Variety: Clementine

Ripeness: Orange Carrot

Soil: Sandy Clay Loam

Irrigation System: Surface Drip Irrigation

Climatic Zone: Temperate Mediterranean



**Fruit Trees**

A fruit tree is a tree which bears fruit that is consumed or used by humans and some animals - all trees that are flowering plants produce fruit, which on the ripened ovaries of flowers containing one or more seeds. In horticultural usage, the term "fruit tree" is limited to those that provide fruit for human food.

**Chart** Method Description Phenological Stages Profit Analysis **Add Chart**

Irrigation Scheduling Method	Yield Change	Water Requirement (mm/ha)
RDI1	15	100
RDI2	25	150
RDI3	35	180
RDI4	45	200
RDI5	55	220
RDI6	60	250
RDI7	65	280
RDI8	70	300
RDI9	75	320
RDI10	80	350
RDI11	85	380
RDI12	90	400

Legend: Yield Change (Line), Water Requirement (Bar)

Irrigation Scheduling Method

Copyright 2014. All Rights Reserved. 13:37 06/06/2014