



OPIRIS is a European project funded by the 7th Framework Programme of the European Commission under the Specific Programme 'Boosting the translation of FP projects results into innovative applications in the field of agriculture, forestry, fisheries and aquaculture' within FP7-KBBE-2013.1.4-07, under Grant Agreement no 613717. It is aimed to build a knowledge-based system for online precise irrigation scheduling (OPIRIS) using advanced results from previous FP projects on water and fertilizers productivity in fruit trees orchards and hydroponic productions in greenhouses.

Dec 2013—Nov 2015.



SEMIDE
EMWIS

FLIGHTS
Little Marcle



KALLIANTZIS
AGROKTIMA



STROGILIS
SIA & OE



INGENIERIA
pga



COORDINATION

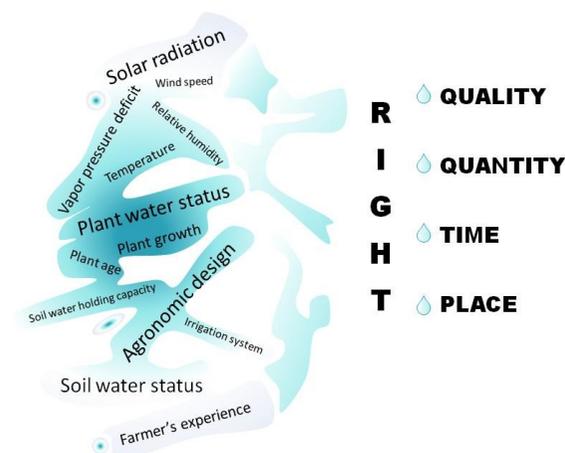
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ONLINE PROFESSIONAL IRRIGATION SCHEDULING
EXPERT SYSTEM



**AUDIT, MONITOR & OPTIMIZE
WATER AND FERTILIZERS PRODUCTIVITY**

www.opiris.eu



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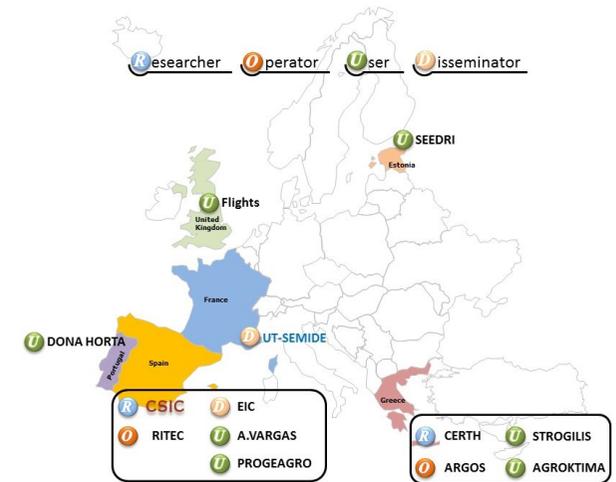
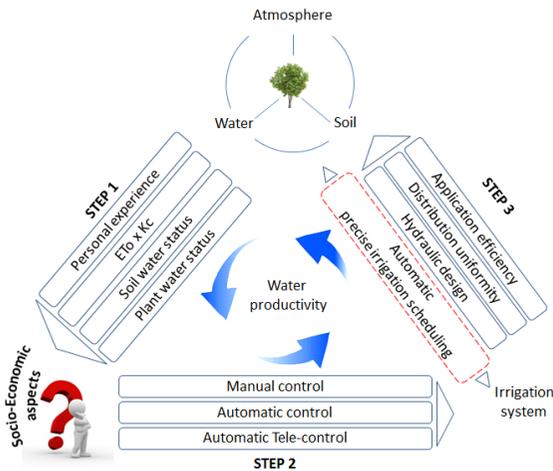
It is well known how urgent it is to save the limited water resources which are pivotal for our life, our economy and the surrounding environment. It is equally known how essential is water for crop production and how complex is the challenge to produce more crop with less water. By experience, farmers fear of potential water-related losses and thus they prefer to over-irrigate and keep from adopting water saving practices especially when the cost of the amount of water to be saved does not outweigh the investment.

To help solving this paradox and contribute to improving water and fertilizers productivity...

OPIRIS offers free access to an extensive database that highlights and quantifies the impact of adopting different irrigation scheduling options and technologies on plant yield and water consumption.

OPIRIS offers an expert team to support farmers to audit their actual production system, identify water-related problems and quantify potential improvement in productivity.

OPIRIS offers a wide range of solutions following a win-win approach. These may range from a simple recommendation on water management up to installing a complete network of environmental sensors connected to intelligent mathematical algorithms being able to automatically command your irrigation system.



OPIRIS consortium is formed by 13 partners from 7 EU countries. It involves 2 research centers, 2 commercial SMEs dealing with irrigation related products and facilities, 2 EU end-users associations and 7 SMEs dealing with fruit trees production and vegetable crops under greenhouses using hydroponic systems.



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