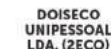




## THE PARTNERS



**FATIMA**

Farming Tools for  
external nutrient Inputs and  
water Management

[www.fatima-h2020.eu](http://www.fatima-h2020.eu)



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**PRODUCE MORE  
WITH LESS**



Horizon 2020  
European Union funding  
for Research & Innovation

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 633945.





## THE FATIMA PROJECT



FATIMA addresses effective and efficient monitoring and management of agricultural resources to achieve optimum crop yield and quality in a sustainable environment. It covers both ends of the scale relevant for food production, viz., precision farming and the perspective of a sustainable agriculture in the context of integrated agri-environment management.

## THE GOALS



It aims at developing innovative and new farm capacities that help the intensive farm sector optimize their external input (nutrients, water) management and use, with the vision of bridging sustainable crop production and fair economic competitiveness.

## THE STRATEGY



Our comprehensive strategy covers five interconnected levels:

- a modular technology package (based on the integration of Earth observation and wireless sensor networks into a webGIS)
- a field work package (exploring options of improving soil and input management),
- a toolset for multi-actor participatory processes,
- an integrated multi-scale economic analysis framework, and
- an umbrella policy analysis set based on indicator-accounting- and footprint approach.

## THE TARGET GROUP



FATIMA addresses and works with user communities (farmers, managers, decision makers in the farm and agribusiness sector) at scales ranging from farm, over irrigation scheme or aquifer, to river basins.

## THE BENEFITS



It will provide them with maps of water and fertilizer requirements (to feed into precision farming machinery), crop water consumption and a range of further products for sustainable cropping management supported with innovative water-energy footprint frameworks. All information will be integrated in leading edge participatory spatial online decision-support systems. The innovative FATIMA service concept considers the economic, environmental, technical, social, and political dimensions in an integrated way.

## THE PILOT PROJECTS



FATIMA is being implemented and demonstrated in 7 pilot areas representative of key European intensive crop production systems in Spain, Italy, Greece, Czech Republic, Austria, France, Turkey.

