

OTHER PROJECTS
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Name of the Project	Farming Tools for external nutrient Inputs and water Management (FATIMA)
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Project Financed by	EU Commission (Call: H2020-SFS (Sustainable Food Safety) - 2014-2)
Project Period	March 2015- September 2018 (42 month)
Total Budget	7 966 695 EUR (UTAEM: 248 375EUR)
Project Summary	
<p>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. 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 with fair economic competitiveness.</p> <p>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.</p> <p>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. It will provide them with maps of fertilizer and water 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.</p> <p>FATIMA will be implemented and demonstrated in 8 pilot areas representative of key European intensive crop production systems in Spain, Italy, Greece, Netherlands, Czech Republic, Austria, France, Turkey.</p> <p>For detailed information please see the link below. http://fatima-h2020.eu/</p>	
Key words: Irrigated agriculture, Fertilization, Plant production systems, Plant nutrition.	