The project has developed an **operational web-based tool for real-time forecast of irrigation water requirements** to support parsimonious water management providing real-time and forecasted soil moisture behavior at high spatial and temporal resolutions with forecast horizons from few up to thirty days. The system supports users **from water authorities to single farmer**.
The tool combines **satellite** monitoring of soil moisture and of evaporative fluxes, quantitative **meteorological forecast** and distributed **hydrological modelling** of soil water balance and crop water needs. **Economic impacts** are evaluated starting from single farm to larger irrigation districts considering not only the role of water and energy saved in financial terms, but also the environmental benefit due to a parsimonious use of the water.
The proposed methodology has been applied in different case studies in **Italy, in the Netherlands, in China and Spain**, characterized by different climatic conditions, water availability, crop types and irrigation schemes.

Per motivi organizzativi si chiede di confermare la partecipazione ai seguenti indirizzi
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Partners

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RISPARMIO IDRICO IN AGRICOLTURA

SIM project

SMART IRRIGATION FROM SOIL MOISTURE FORECAST USING SATELLITE AND HYDRO –METEOROLOGICAL MODELLING

final meeting

12 June 2019

Ministero delle Politiche Agricole Alimentari, Forestali e del Turismo
conference room
Palazzo dell'Agricoltura
Sala Cavour (cosiddetto Parlamentino)
Via XX Settembre 20, Rome (Italy)

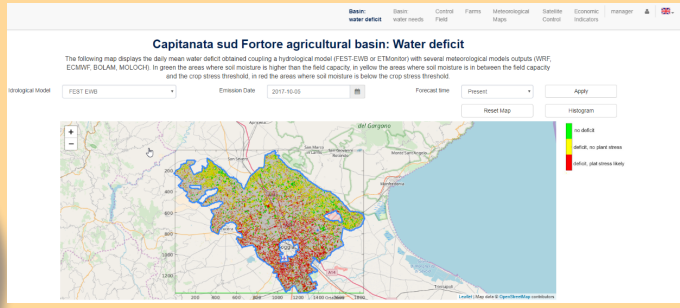
Patronage of

mipaaft ministero delle politiche agricole alimentari, forestali e del turismo
crea Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria
MINISTERO DELL'AMBIENTE E DELLA TUTELA DEL TERRITORIO E DEL MARE

Program

SIM project final results presentations

12 June 2019



hour 9:30
Greetings - *prof. M. Mancini , SIM project coordinatorc*

hour 9:40
Parsimonious irrigation EU and National Commitment - *Dott. G. Blasi , Head of Department of Italian Agricultural Ministry*

hour 10:00
SIM project parsimonious irrigation web dashboard
- *M. Mancini*, Politecnico di Milano (Italy)

hour 10:15
Economic efficiency of SIM: report of two case studies
- *G. Branca* University of Tuscia (Italy)

hour 10:40
SIM water balance models and interaction with satellite and meteorological forecasts data
- *C. Corbari* (Politecnico di Milano, Italy), *L. Jia (RADI-CAS, China)*

hour 11:00
Satellite data for real time fine resolution hydrological modelling
- J. Sobrino (University of Valencia, Spain), - M. Menenti (TUDelft, The Netherlands)

hour 11:30
Meteo-hydrological forecasts for precise irrigation
- R. Salerno (MOPI-CEM), - R. Romero (University of Balearic Islands (Spain), A. Ceppi (Politecnico di Milano)

hour 12:00
SIM impacts on irrigation distribution aqueduct: example of Capiatanta consortium
- L. Nardella (Capitanata irrigation consortium Italy), C. Maiorano (MMI, Italy)

12:30-14:00 lunch

Round table - Tavola rotonda (in Italian)

L'esperienza dei consorzi per una gestione sostenibile dell'acqua irrigua

Chair Raffaella Zucaro (CREA)

14:00 - E. Gatto - Politiche comunitarie per gli interventi irrigui e risparmio idrico
14:15 - F. Contarin (Regione Veneto) - Piani di sviluppo rurale regionale e risparmio idrico
14:30 - De Filippo/ Guzzetti (Aziende Capitanata) - Gestione irrigua parsimoniosa: il punto di vista aziendale
14:45 M. Gargano - (Direttore ANBI) - Risparmio irriguo: tra mondo ideale e mondo reale
15:00 Consorzi irrigui: Pregi e problematiche nell'uso dei sistemi di gestione e risparmio irriguo – interventi programmati

16:50 Marco Mancini – Conclusione lavori