

Advances in Satellite Remote Sensing Determinations of Crop Evapotranspiration: Models, Accuracy, and Applications to Micro-Irrigated Crops in Mediterranean Environments

20 January 2026 - Aula Magna DISSPA, Via Amendola 165/A - University of Bari Aldo

15:00 - 15:30 Institutional Greetings

Prof. Roberto Bellotti – Rector, University of Bari Aldo Moro
Prof.ssa Maria De Angelis – Director, Department of Soil, Plant and Food Sciences - UNIBA
Prof. Ing. Antonio Castorani – Head, Fondazione Puglia
Prof. Salvatore Camposeo – University of Bari Aldo Moro DISSPA

Moderator: Prof.ssa Anna Maria Stellacci – University of Bari Aldo Moro DISSPA

First Session: Remote Sensing Approaches to Evapotranspiration and Water Management

15:30 - 15:55 **The SBE-PV Model: A Surface Energy Balance Approach to Improve ET Estimation**
Prof. Luis Octavio Lagos Roa – University of Concepcion, Campus of Chillan, CHILE

15:55 - 16:20 **Earth Observation Methodologies for Agricultural Water Management**
Dr. Pietro Sciusco – Planetek Italia

16:20 - 16:30 Questions & Discussion

16:30 - 16:45 Coffee Break

Second Session: Remote Sensing ET Accuracy and Water Accounting

16:45 - 18:00 **Appraising Inaccuracy and Errors of Pistachio and Citrus ET Estimated with Satellite Remote Sensing Models and Ground Measurements**

Prof. Daniele Zaccaria – University of California Davis
Dr. Pasquale Steduto – Senior Water Scientist (Former University of California Davis)
Prof. Gaetano Alessandro Vivaldi – University of Bari Aldo Moro - DISSPA

18:20 - 18:45 **Water Accounting in Mediterranean Agriculture**

Dr. Ivan Portoghese – Water Research Institute - IRSA CNR
Dr. Raffaella Matarrese – Water Research Institute - IRSA CNR

18:45 - 19:00 Conclusive remarks

Dr. Michele Vurro - Former Director of Water Research Institute - IRSA CNR

