



Water, soil, and crop management in a Climate-smart agriculture

A2.2 Training & Capacity Building

2nd Module: “Innovative Technologies in Agriculture and Water Management”

online: 9th – 13th September 2024

	Monday 09	Tuesday 10	Wednesday 11	Thursday 12	Friday 13	Saturday 14	Sunday 15
08.30-09.00	Online connection					Arrivals at CIHEAM Bari	Arrivals at CIHEAM Bari
09.00-10.00	Opening	Practical knowledge for an effective PA application (F. Mazzetto)	Mechanization, robotics & Artificial Intelligence (AI) (L. Marconi)	Drivers and challenges of PA: a socio-technical perspective (M. Prosperi) Precision agriculture and sustainability: economic and environmental evaluations (D. Bentivoglio) The role of technology producers & service providers (A. Bolognesi)	The Southern Mediterranean context: the need of a tailored PA (M. Hamzé) Contribution of PA to sustainable water management (N. Lamaddalena) CIHEAM Bari innovations for precision pest surveillance & water management at landscape level (A.M. D'Onghia, R. Khadra)		
10.00-11.00	Presentation of Course Program						
11.00-12.00	General concepts of Precision Agriculture (PA) (F. Mazzetto)						
12.00-13.00							

Please note: the week from 9 to 13 September will be held jointly with the CIHEAM Bari's Advanced Specialized Course: “Precision Agriculture for the Mediterranean Region”



2nd Module: “Innovative Technologies in Agriculture and Water Management” (Hybrid in presence/online): 16th-20th September 2024

	Sunday 15	Monday 16	Tuesday 17	Wednesday 18	Thursday 19	Friday 20	Saturday 21	Sunday 22
08.30-09.00	Arrivals at CIHEAM Bari Campus	Registration of participants					Departures	
09.00-10.00								
10.00-11.00								
11.00-12.00								
12.00-13.00		Digital Technologies for Agriculture & Smart Farming (M. Triggiani)	Field visit: Introduction to the use of drones, definition of a flight plan, post-flight mapping and scanning (C. Ranieri)	Technical Visit (Public authority Acquedotto Pugliese Headquarters), Smart water management in the aqueduct of the region	Technical visit (Metaponto URT- DiSBA experimental farm) Recent Advances in Plant Phenotyping for Abiotic Stresses (CNR-IPSP)	Technical visits: 1) ApuliaKundi company, Spirulina algae plant irrigated with treated wastewater 2) La Valle Verde farm, No-till seed drill with 4.0 technology		
13.00-15.00		Lunch offered by the CIHEAM Bari						
15.00-17.00		Digital Technologies for Agriculture & Smart Farming (M. Triggiani)	Introduction to the Solar Powered Irrigation Systems: Design, Consideration, and Sustainability. (F. Abdelouahid	Visit to AQP Laboratory, WDS - Leakages and Rehabilitation	Technical visit (Metaponto URT- DiSBA experimental farm) Reuse of Wastewater for Irrigation (CNR-IPSP)	Touristic tour in Gravina di Puglia old town		
17.00-18.00		Presentation of the Course Program (G. Ladisa, S. Lecci)		Social dinner Bari	Touristic visit to Metaponto National Museum and the Temple of the Palatine Tables			
evening		Free time			Free time			

Please note: The lecture on 16th September will be held jointly with the CIHEAM Bari's Advanced Specialized Course: “Precision Agriculture for the Mediterranean Region”;

All dinners are at participants 'charge who will receive a pocket money for this kind of expenses. Only the social dinner organized on September 18 will be offered by the CIHEAM Bari.