Digitalization of water and nutrient management in irrigated agriculture under Mediterranean conditions

Universidad Politécnica de Cartagena (UPTC) & University of Thessaly (UTH)

Workshop

[24-06-2026] | Department of Agriculture Crop Production and Rural Environment, University of Thessaly, Fitoko Str., 38446 Volos, Greece | English

Time	Activity	Speaker(s)
10:00-10:20	Registration & Welcome Coffee	
10:20-10:30	Opening & Welcome Address	Vice-President of the Department of Agriculture, Crop Production and Rural Environment, Professor Mr. George Nanos (UTH)
10:30-10:50	Deficit Irrigation Strategies Applied in Semi-Arid Regions Over the Last 25 Years	Alejandro Pérez Pastor, Full Professor at Higher Technical School of Agricultural Engineering (Technical University of Cartagena, UPCT), (UPCT)
10:50-11:10	Smart irrigation management in fruit trees – ORALI+	Persefoni Maletsika, Assistant Professor of Pomology-Oliviculture, Laboratory of Pomology (UTH)
11:10-11:30	Water stress monitoring in almond cultivation	Konstantinos Pappas, PhD student and Apostolos Konsoulas, PhD student, Laboratory of Pomology (UTH)
11:30-11:40	Coffee Break	
11:40-12:10	LIFE TRIPLET Project: Digitalisation of Efficient Fertigation Management for Sustainable Agriculture	Alejandro Pérez Pastor, Full Professor at Higher Technical School of Agricultural Engineering, Pablo Berrios, Researcher and Abdelmalek Temnani, Researcher (UPCT)
12:10-12:30	Fertilization management of the fruit trees apple, pear, peach and cherry and nutrients outputs with fruits and prunings	George Nanos, Professor of Pomology. Laboratory of Pomology (UTH)
12:30-12:50	Integrating Hydraulic Properties into Irrigation Management	Anastasia Angelaki, Assistant Professor of Agricultural Hydraulics, Laboratory of Agricultural Hydraulics (UTH)

12:50-13:10	Conservation agriculture combined with efficient sub-drip irrigation systems – The PRIMA WaterMellon approach	Christos Cavalaris, PhD, Teaching and Research Associate, Laboratory of Farm Mechanization (UTH)
13:10-13:40	Light Lunch Break	
13:40-14:00	Irrigation Water Management in Agriculture through Irrigation Communities	David Hernández, Techical Director, National Federation of Irrigation Communities (FENACORE)
14:00-14:20	Water management in Thessaly region	Athanasios Markinos, President of the BoD, TOEV Tavropos-Karditsa, CEO of Thessaly Water Management Organization S.A.
14:20-15:20	Roundtable: Sensors, DSS, farmer adoption, funding (LIFE, PRIMA, Horizon Europe)	All participants
15:30-15:30	Closing Remarks & Next Steps	Professor A. Pérez Pastor (UPCT) & Assistant Professor P. Maletsika (UTH)
15:30	End of Workshop	

The workshop coordinate Professor A. Pérez Pastor (UPCT), alex.perez-pastor@upct.es & Assistant Professor P. Maletsika (UTH), pmalets@uth.gr