

# AGENDA

	Session	Topic	Speaker
09:00 - 09:30h	Welcome & iGrape project overview		
09:30 - 09:50h	Session #1: Advances in real-time monitoring of grape maturation	A glance on grapevine intra-cluster berry heterogeneity and its consequences for ripening assessment and physiological studies	Markus Rienth, University of Sciences and Art Western Switzerland Changins (Switzerland)
09:50 - 10:10h		Metbots - Metabolomics Robots for Precision Agriculture	Rui Martins, INESC-TEC (Portugal)
10:10 - 10:30h		Integrated spectral sensors for viticulture: technology drivers	João Piteira, INL (Portugal)
10:30 - 10:50h		Monitoring grape maturation using proximal reflectance-based sensing	Hugo Oliveira, INL (Portugal)
	Coffee Break		
11:20 - 11:40h	Session #2: The monitoring of vine water status	The importance of vine water status in viticulture	Antonello Bonfante, CNR -ISAFOM (Italy)
11:40 - 12:00h		Extending the time interval between two irrigations with a novel approach based on sap flow measurements	Cecile Laurent, Fruition Sciences (France)
12:00 - 12:20h		Point-of-use single step microfluidic sensor and in-field sample treatment for the detection of abiotic and biotic stresses in grapevines	João Pedro Conde, INESC-MN (Portugal)
12:20 - 12:40h		Optical sensing for vine water status monitoring: challenges and opportunities	Alessio Tugnolo, Università Degli Studi di Milano (Italy)
	Lunch Break		
14:20 - 14:40h	Session #3: Precision Viticulture: recent trends and developments	Advances in Agriculture 4.0 and Agriculture Robotics INIA - Chile	Stanley Best, CIGR (Chile)
14:40 - 15:00h		A New, Satellite NDVI-Based Sampling Protocol for Grape Maturation Monitoring	Justine E. Vanden Heuvel, Cornell University (USA)
	Coffee Break		
15:30 - 17:00h	Round table	Precision Viticulture and the challenges for the 21 <sup>st</sup> century	António Graça, Sogrape (Portugal) Roberta Beber, MASI (Italy) Maurizio Bogoni, Ruffino (Italy) Mark Krstic, AWRI (Australia)



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