

PRIMESOFT

Development of innovative priming technologies safeguarding yield security in soft fruit crops through a cutting-edge technological approach



Topic: Workshop 'Priming in plants – agents, processes, molecular settings'

Date: March 29th – 30th, 2023

Time: 09:00 a.m. – 05:00 p.m. (CET)

Hosted by: University of Potsdam

Venue: Potsdam Science Park, GO:IN



Funded by the
European Union

Programme

Day 1

8:30 – 9:00	Reception and registration	
9:00 – 9:15	Welcome address and short intro to Primesoft	
Part 1.1	Science of Priming (1)	Lecturer
9:15 – 10:00	Definition of priming and concept	Prof. Dr. Bernd Mueller-Roeber (UP)
10:00 – 10:45	Classes of priming agents	Prof. Dr. Vassilis Fotopoulos (CUT)
10:45 – 11:15	<i>Coffee break</i>	
11:15 – 12:00	Current directions in plant priming research	Prof. Dr. Bernd Mueller-Roeber (UP)
12:00 - 13:00	<i>Lunch</i>	
Part 1.2	Science of Priming (2)	
13:00 – 13:45	Mechanisms of thermomemory in plants	Prof. Dr. Salma Balazadeh (LU)
13:45 – 14:30	Cold priming and plant resistance against bacterial pathogens	Dr. Thomas Griebel (FU Berlin)
14:30 - 15:00	<i>Coffee break</i>	
15:00 – 15:45	RNAi technology for controlling plant stresses	Prof. Dr. Bruno Mezetti (UPM)

Day 2

Part 2	Application and Statistics	Lecturer
09:30 – 10:00	Approaches to experimental design and statistics in biostimulant research (online)	Dr. Kieran Guinan (BioAtlantis Ltd.)
10:00 – 10:45	Crop monitoring with Unmanned Aerial Vehicles (UAV)	Dr. Michael Schirrmann (ATB Potsdam)
10:45 – 11:15	<i>Coffee break</i>	
11:15 – 12:00	Uses of AI in Agriculture	Dr. Shravani Basu and Dr. Sebastien Foucaud (SBSF Agritech)
12:00 – 13:00	<i>Lunch</i>	
Part 3	Priming in Agriculture	Lecturer
13:00 – 13:45	The role of seaweed based biostimulants in enhancing crop tolerance to abiotic stresses: scientific insights, markets, and regulatory frameworks	Dr. Sujeeth Neerakkal (BioAtlantis Ltd.)
13:45 – 14:15	Challenges, hurdles, and open questions to make priming suitable for agriculture and bringing the technology/products in market	Discussion
14:15 – 14:30	Closing Remarks	Prof. Dr. Bernd Mueller-Roeber (UP)
	<i>Coffee (to stay or to go)</i>	