



**Online Advanced Course  
MONITORING AND SURVEILLANCE OF OLIVE PATHOGENS  
2-4 / 9-11 / 14-16 December 2020**



Hour	Wednesday 2	Thursday 3	Friday 4	Wednesday 9	Thursday 10	Friday 11	Monday 14	Tuesday 15	Wednesday 16
14:00-15:00	Importance and challenges facing the olive sector and the role of the International Olive Council <b>A. Adi</b>	Phytosanitary regulations: The EU 2016/2031 Plant Health Regulation Quarantine pests Surveillance and contingency plans <b>P. di Rubbo</b>	Main pathogens threatening olive: <i>Xylella fastidiosa</i> <b>B. Landa, M. Saponari</b>	Sampling: General concepts <b>J.A. Navas</b>	Advanced methods and strategies for innovative monitoring systems <b>J.A. Navas</b>	Biology, epidemiology and spread of other relevant diseases: Fungal diseases Bacterial diseases <b>F. Nigro</b>	Statistically and risk-based surveillance: Tools for nursery inspections (ISPM31, EPPO) <b>J.A. Navas</b>	Main pathogens threatening olive: Nematodes <b>J.E. Palomares</b>	Final discussion and closure <b>A. Adi, C. Bairrao Balula, B. Landa, F.J. López Escudero, F. Nigro, A. Ferrer, S. Vos, J.A. Navas, E. Lázaro, I. Graziosi</b>
15:00-16:00	Presentation of participants and Networking			Sampling: The example of <i>Xylella fastidiosa</i> <b>G. Loconsole</b>	EPPO and IPPC protocols for pest identification <b>F. Petter</b>		EFSA toolkit for surveys <b>S. Vos</b>	Practical exercises for survey design of <i>Xylella fastidiosa</i> <b>S. Vos, E. Lázaro, I. Graziosi, J.A. Navas</b>	
<b>Break</b>									
16:30-17:30	IOC olive germplasm collections: breeding programmes and certified plant material <b>L. Rallo</b>	RNQP and olive certification schemes: The case of plant production system in Spain, with a focus on RNQP <b>A. Ferrer</b>	Main pathogens threatening olive: <i>Verticillium dahliae</i> <b>F.J. López Escudero</b>	Sampling: The example of <i>Verticillium dahliae</i> <b>F.J. López Escudero</b>	EPPO and IPPC protocols for pest identification <b>F. Petter</b>	Main pathogens threatening olive: Viruses/Phytoplasms <b>M. Saponari</b>	Practical exercises for survey design of <i>Xylella fastidiosa</i> Working sessions <b>S. Vos, E. Lázaro, I. Graziosi, J.A. Navas</b>	Discussion and conclusions <b>S. Vos, E. Lázaro, I. Graziosi, J.A. Navas</b>	Networking session with IOC
17:30-18:30	Need for olive pathogen risk-based surveillance and monitoring <b>R. Sánchez</b>	RNQP and olive certification schemes: Voluntary system for pest prevention (VSPP) developed in the framework of the EU project XF-ACTORS <b>C. Picard</b>		<b>Video demonstration:</b> Sampling for <i>Xylella fastidiosa</i> and use of XylApp to trace sampling <b>F. Valentini, F. Santoro</b>	<b>Video demonstration:</b> Detection and quantification of <i>Verticillium dahliae</i> in plant material and soil <b>F.J. López Escudero, F. Nigro</b>	<b>Video demonstration:</b> Molecular methods for olive pathogen diagnosis <b>B. Landa,</b>			

**Module 0 (available in the week before the course):** Video organizers, Video technological tools, Programme presentation

**Module 1 (2-4 December 2020)**

1. Importance of keeping a healthy olive heritage
2. Phytosanitary regulations
3. Main pathogens threatening olive: *Xylella fastidiosa* and *Verticillium dahliae*

**Module 2 (9-11 December 2020)**

1. Sampling procedures and diagnostic tools
2. Main pathogens threatening olive: Fungal diseases, Bacterial diseases and Viruses/Phytoplasms

**Module 3 (14-16 December 2020)**

1. Main pathogens threatening olive: Nematodes
2. Statistically and risk-based surveillance: lectures and practical exercise
3. Final discussion and closure