



XF-ACTORS Final Meeting

DAY 3 – Wednesday 28 APRIL 2021 - 14.30-19.00

The presentations of the final session of the XF-ACTORS meeting, on April 28, will be on the possible **use of new technologies in surveillance and monitoring and on the XF-Actors' contribution to the work of plant management authorities**. Researchers will discuss their promising results using state-of-the-art technology such as hyperspectral and thermal cameras for remote sensing and early detection of *Xylella fastidiosa* and other plant pathogens. Presentations will also focus on a better understanding of the spatial and temporal progression of the infection in plants, molecular methods for detecting the pathogen in plants and insects, and the testing of models to anticipate and curb the contagion's spread in high-risk areas. The XF-ACTORS meeting will close with the role of evidence-based decisions in the emergency of exotic pathogens of plants, as well as on the impact of the media and communication.

SESSION 4	
<i>Implementation and harmonization of diagnostic protocols, surveillance and modelling</i>	
Chairs: Pieter Beck (JRC) and Françoise Petter (EPPO)	
14.30-14.40	Introduction to the session
14.40-14.55	Using hyperspectral imagery and a multi-stage machine learning algorithm to distinguish infection symptoms caused by two xylem-limited pathogens Tomás Poblete , School of Agriculture and Food (SAF-FVAS) and Faculty of Engineering and Information Technology (IE-FEIT), University of Melbourne (AU)
14.55-15.10	Integrating an epidemic spread model with remote sensing for <i>Xylella fastidiosa</i> detection Carlos Camino , European Commission (EC), Joint Research Centre (JRC), Ispra (IT)
15.10-15.20	Q&A
15.20-15.35	Variations in winter temperatures over decades: the underside of a French <i>Xylella fastidiosa</i> story Samuel Soubeyrand , INRAE, BioSP, Avignon (FR)
15.35-15.50	Improving early detection surveillance for <i>Xylella fastidiosa</i> in Apulia Alexander Mastin , University of Salford, Salford (UK)
15.50-16.00	Q&A
16.00-16.15	Effects of dispersal barriers in the demarcated area in Alicante, Spain, for <i>Xylella fastidiosa</i> . A non-stationary modelling approach. Martina Cendoya , Instituto Valenciano de Investigaciones Agrarias, Valencia (ES)
16.15-16.30	Developing a spatial epidemiological model to estimate <i>Xylella fastidiosa</i> dispersal and spread Daniel S. Chapman , University of Stirling, Stirling (UK)
16.30-16.40	Q&A
16.40-17.00	Coffee break



17.00-17.15	Spatial and temporal evolution of <i>Xylella fastidiosa</i> in the canopy of Leccino and Ogliarola olive cvs in Apulia (Italy) Anna Maria D'Onghia , CIHEAM – Mediterranean Agronomic Institute of Bari (IT)
17.15-17.30	Interlaboratory comparison of molecular methods for the detection of <i>Xylella fastidiosa</i> in plant and insects Giuliana Loconsole , Institute for Sustainable Plant Protection, CNR, Bari (IT)
17.30-17.40	Q&A
17.40-17.55	How did XF-ACTORS contribute to the work of NPPOs Françoise Petter , EPPO, Paris (FR)
17.55-18.10	Scientific contributions of XF-ACTORS to the EU plant health regime Antonio Vicent , Instituto Valenciano de Investigaciones Agrarias, Valencia (ES)
18.10-18.25	<i>Xylella fastidiosa</i> , the social and media impact in plant health management Angelo Di Mambro , Informatore Agrario
18.25-18.40	Q&A
18.40-19.00	Closure of the XF-ACTORS final meeting