

PROGRAMME

International PHYTOMA-Spain Encounter
on



Xylella fastidiosa. An unpredictable threat?

Technical and scientific breakthroughs in disease control.

Ateneo de Valencia, December 12 and 13, 2018

Co-hosted by:

**Regional Minister of Agriculture, Environment, Climate Change and Rural
Development**

and PHYTOMA-Spain

Scientific Chair: Dr. Ester Marco

Official Programme

Wednesday, December 12

**8.30-9.30h. Documentation handover at the Encounter Technical Secretary's
office**

Encounter moderator: *Gustavo Bueso, PHYTOMA-Spain*

9.30-9.50h. Inauguration:

9.50-10.00h. Encounter introduction

*Dr. Ester Marco. Bacteriology. Vegetable Protection and Biotechnology Centre,
Valencian Institute of Agricultural Research, IVIA. Moncada, Valencia*

10.00-10.30h. Inaugural speech Emergence of *Xylella fastidiosa* in Europe.

Dr. Maria Saponari. Istituto per la Protezione Sostenibile delle Piante (IPSP), CNR. Bari. Italy

Bacterial biology: Major diseases caused by *Xylella fastidiosa*

10.30-11.00h. Biology and ecology of *Xylella fastidiosa*.

Dr. Leonardo de la Fuente. Associate Professor Department of Entomology and Plant Pathology. College of Agriculture. Auburn University. Alabama, USA

11.00-11.30h. Coffee courtesy of MASSÓ

11.30-12.00h. Subspecies-genotype specificity of *X. fastidiosa* and its host plants. Can the host range be predicted?

Dr. Blanca B. Landa del Castillo. Scientific Researcher at the Institute of Sustainable Agriculture. Higher Council of Scientific Research (IAS-CSIC). Cordoba

12.00-12.30h. What do we know and what do genomes tell us about *Xylella fastidiosa*?

Dr. Anne Siccard. Department of Environmental Science, Policy and Management. University of California, Berkeley. USA

12.30-12.50h. ROUND TABLE on biology of the bacteria: main diseases caused by *Xylella fastidiosa*

Vector Biology

12.50-13.20h. Incidence of insect vectors in the *Xylella fastidiosa* pathosystem

Francisco J. Beitia. Vegetable Protection and Biotechnology Centre, Valencian Institute of Agricultural Research, IVIA. Moncada, Valencia

13.20-13.40h. Aspects of the biology and ecology of potential *Xylella fastidiosa* vectors in almond trees of the south-eastern Iberian Peninsula.

Cristina Navarro Campos. Mediterranean Agroforestry Institute. Polytechnic University of Valencia and co-director general of Elytra Agrosience Services

13.40-14.00h. Role of *Philaenus spumarius* in the epidemiology of *Xylella fastidiosa* in Apulia (Southern Italy).

Daniele Cornara. Institute of Agricultural Sciences Research (ICA)-CSIC. Madrid

Afternoon

16.00-16.20h. Observations on *Philaenus spumarius*, potential vector of *Xylella fastidiosa*, in the olive groves of Seville.

José Manuel Durán Álvaro. Production and Plant Health Laboratory, Seville. Agrarian and Fishery Management Agency of Andalusia. Ministry of Agriculture, Fisheries and Rural Development. Regional Government of Andalusia.

16.20-16.40h. ROUND TABLE on vector biology

Xf Detection Techniques

16.40-17.10h. Current situation in France regarding *Xylella fastidiosa*: Recent developments and validation of the detection method in plants and *Philaenus spumarius* vectors.

Dr. Françoise Poliakoff. National Agency of Sanitary Security, Food, Environment and Work, ANSES. Plant Health Laboratory. Head of Bacteriology, Virology and GMO Unit. France

17.10-17.30h. Robotic solutions to forecast and detect *Xylella fastidiosa*.

Jose Blasco-Ivars. Research Professor. Coordinator of the Agroengineering Centre of the Valencian Institute of Agrarian Research (IVIA). Moncada. Valencia

17.30-17.50h. Remote high resolution hyperspectral and thermal detection of *Xylella fastidiosa*:

Dr. Juan A. Navas-Cortés. Institute of Sustainable Agriculture, National Council for Scientific Research (IAS-CSIC). Cordoba

17.50-18.15h. ROUND TABLE on Xf detection techniques

Xf epidemiology and control. Risk analysis

18.15-18.45h. Epidemiology of diseases caused by *Xylella fastidiosa*.

Dr. Juan A. Navas-Cortés. Institute of Sustainable Agriculture, National Council for Scientific Research (IAS-CSIC). Cordoba

Thursday, December 13

Xf epidemiology and control. Risk analysis

9.30-10.00h. Controlling *Xylella fastidiosa* in the host plant. The other side of the problem.

Dr. Emilio Montesinos Seguí. Professor of Plant Pathology. Institute of Agrifood Technology, University of Girona

10.00-10.20h. * Efficacy of Deltamethrin and Flupyradifurone in control of *Philaenus spumarius*.

Josep Ignasi Izquierdo Casas. Insecticides Development Manager, Bayer Iberia

10.20-10.50h. Resistance to *Xylella fastidiosa* in olive trees: field and laboratory experiments.

Dr. Pasquale Saldarelli. CNR-IPSP, Italian National Research Council. Institute for Sustainable Plant Protection. Bari. Italy

10.50-11.15h. Sustainable control of *Xylella fastidiosa* vectors: breakthroughs and future prospects.

Daniele Cornara. Institute of Agricultural Sciences Research (ICA)-CSIC. Madrid

11.15-11.45h. Coffee break

11.45-12.15h. ROUND TABLE on Xf Epidemiology and control. Risk analysis

***Xylella fastidiosa* worldwide**

12.15-12.45h. Geographical and epidemic distribution of *Xylella fastidiosa* worldwide.

Dr. Blanca B. Landa del Castillo. Scientific Researcher at the Institute of Sustainable Agriculture. Higher Council of Scientific Research (IAS-CSIC). Cordoba

12.45-13.15h. Current status of *X. fastidiosa* in America.

Dr. Leonardo de la Fuente. Associate Professor Department of Entomology and Plant Pathology. College of Agriculture. Auburn University. Alabama, USA

13.15-13.45h. *Xylella fastidiosa* epidemic in Italy: Current status and control strategies to reduce the impact of infection.

Dr. Maria Saponari. Istituto per la Protezione Sostenibile delle Piante (IPSP), CNR. Bari. Italy

13.45-14.15h. ROUND TABLE on *Xylella fastidiosa* worldwide

Afternoon

Legal framework and current status of Xf in Spain

16.00-16.20h. Legislative framework and contingency plan for *Xylella fastidiosa* in Spain.

José María Cobos Suárez. Sub-Directorate General for Plant and Forest Health and Hygiene. Ministry of Agriculture, Fisheries and Food, MAPA, Madrid

16.20-16.40h. Current situation and actions against *Xylella fastidiosa* in the Balearic Islands

Andreu Juan Serra. Head of Agricultural Service. General Directorate of Agriculture and Animal Husbandry. Department of Environment, Agriculture and Fisheries of the Government of the Balearic Islands

16.40-17.00h. Situation and actions against *Xylella fastidiosa* in the Valencian Community.

Vicente Dalmau. Head of Vegetable Health Service of the Regional Ministry of Agriculture, Environment, Climate Change and Rural Development. Silla, Valencia

17.00-17.20h. Actions taken in response to the isolated detection of *Polygala Myrtifolia* in Almería.

Rafael Sánchez Trujillo. Head of Plant Health Service. Ministry of Agriculture, Fisheries and Rural Development. Regional Government of Andalusia.

17.20-17.40h. Actions against *X. fastidiosa* in the Community of Madrid.

José Antonio Hernández Ruiz. Agricultural Department. Sub-Directorate General for Agrifood Production and Animal Welfare. General Directorate of Agriculture, Livestock and Food. Department of Environment and Territorial Planning. Community of Madrid

17.40-18.00h. ROUND TABLE on Legal Framework and current status of Xf in Spain

View from the agricultural sector

18.00-18.20h. Nursery sector problems and perspectives in the face of *Xylella fastidiosa*.

José Forcadell. General Secretary of ASFPLANT, Professional Association of Flower, Plant and Horticultural Technology of the Valencian Community

18.20-18.40h. “*Xylella*; it all began with you”.

Enrique Bellés. Representative of the Agrofood Cooperatives Federation of the Valencian Community

18.40-18.50h. ROUND TABLE on the agricultural sector perspective

Scientific breakthroughs in ongoing Research Projects

18.50-19.15h. Research projects into *Xylella fastidiosa*.

Dr. Antonio Vicent. Researcher. Vegetable Protection and Biotechnology Centre, Valencian Institute of Agricultural Research, IVIA. Moncada, Valencia

19.15h. Closing Ceremony

*Technical - Business Presentations

The Encounter will have simultaneous translation services

Encounter **Technical Secretary: PHYTOMA-Spain**

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