



Programme

2nd European conference on *Xylella fastidiosa*: how research can support solutions Ajaccio, 29th – 30th October 2019

Monday 28th October 2019

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| 18.00-21.00 | Registration and posters hanging <i>Hall d'exposition Napoléon Bonaparte</i> |
| 19.00-21.00 | Welcome and networking cocktail offered by POnTE project to all participants of the 2nd European conference on <i>Xylella fastidiosa</i> <i>Hall d'exposition Napoléon Bonaparte</i> |
| 20.00-20.15 | Opening ceremony - Hall d'exposition Napoléon Bonaparte <ul style="list-style-type: none"> ▪ Introduction by <i>Giuseppe Stancanelli</i> (European Food Safety Authority, EFSA) ▪ Welcome by Monsieur le Président du Conseil Exécutif Collectivité de Corse <i>M. Gilles Simeoni</i> ▪ Welcome by Monsieur le Maire d'Ajaccio <i>M. Laurent Marcangeli</i> |





2nd European conference on **Xylella fastidiosa** | 2019





2nd European
conference on
*Xylella
fastidiosa*
2019

2ND EUROPEAN CONFERENCE ON XYLELLA FASTIDIOSA: HOW RESEARCH CAN SUPPORT SOLUTIONS

Ajaccio 29th - 30th October 2019

DAY 1 - Tuesday 29th October

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| 07.30 - 09.00 | Registrations and poster hanging | |
| 09.00 - 10.30 | Opening session | Auditorium Pascal Paoli |
| 10.30 - 11.00 | Coffee/Tea break | Hall d'exposition Napoléon Bonaparte |
| 11.00 - 13.00 | Session 1: Biology and pathogenicity I | Auditorium Pascal Paoli |
| 13.00 - 14.00 | Lunch | Hall d'exposition Napoléon Bonaparte |
| 14.00 - 16.00 | Session 2: Vectors I | Auditorium Pascal Paoli |
| | Session 3: Detection | Room Sampiero Corso |
| 16.00 - 16.30 | Coffee/Tea break | Hall d'exposition Napoléon Bonaparte |
| 16.30 - 18.30 | Session 4: Ecology, Epidemiology and modelling | Auditorium Pascal Paoli |
| | Session 5: Vectors II | Room Sampiero Corso |
| 18.45 - 21.00 | Cocktail and Poster session | Hall d'exposition Napoléon Bonaparte |

DAY 2 - Wednesday 30th October

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| 08.30 - 10.30 | Session 6: Risk and impact assessment | Auditorium Pascal Paoli |
| 10.30 - 11.00 | Coffee/Tea break | Hall d'exposition Napoléon Bonaparte |
| 11.00 - 13.00 | Session 7: Surveillance | Auditorium Pascal Paoli |
| | Session 8: Biology and pathogenicity II | Room Sampiero Corso |
| 13.00 - 14.00 | Lunch | Hall d'exposition Napoléon Bonaparte |
| 14.00 - 16.00 | Session 9: Sustainable control measures | Auditorium Pascal Paoli |
| 16.00 - 16.30 | Coffee/Tea break | Hall d'exposition Napoléon Bonaparte |
| 16.30 - 18.30 | Final session | Auditorium Pascal Paoli |

DAY 3 - Thursday 31st October

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| 08.00 - 16.00 | Field visit |
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DAY 1 – Tuesday 29th October 2019

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| 07.30-09.00 | Registration and posters hanging <i>Hall d'exposition Napoléon Bonaparte</i> | |
| OPENING SESSION - Auditorium Pascal Paoli Chair: Claude Bragard , Chair of EFSA Plant Health Panel | | |
| 09.00-09.10 | Welcome to the conference | Julien Paolini University of Corsica Pasquale Paoli (FR) |
| 09.10-09.20 | Introduction to the conference | Claude Bragard Chair of EFSA Plant Health Panel |
| 09.20-09.50 | Advances in molecular and ecological studies for the control of <i>Xylella fastidiosa</i> | Steven Lindow University of California Berkeley (US) |
| 09.50-10.00 | Q&A | |
| 10.00-10.20 | Major results and challenges of the EU H2020 POnTE project on the control of <i>Xylella fastidiosa</i> | Donato Boscia Institute for Sustainable Plant Protection (IPSP) of the National Research Council of Italy (CNR) (IT) |
| 10.20-10.30 | Q&A | |
| 10.30-11.00 | Coffee/Tea break - Hall d'exposition Napoléon Bonaparte | |
| SESSION 1: Biology and pathogenicity I – Auditorium Pascal Paoli Chair: Maria Saponari , Institute for Sustainable Plant Protection (IPSP) of the National Research Council of Italy (CNR) (IT) | | |
| 11.00-11.15 | Understanding the potential origin and epidemiological consequences of the Spanish outbreaks caused by <i>Xylella fastidiosa</i> subspecies <i>multiplex</i> | Blanca Landa Institute of Sustainable Agriculture (IAS-CSIC) (ES) |
| 11.15-11.20 | Q&A | |
| 11.20-11.35 | Evolutionary history of <i>Xylella fastidiosa</i> based on comparative genomics | Marie-Agnès Jacques Institut National de la Recherche Agronomique (INRA) (FR) |
| 11.35-11.40 | Q&A | |
| 11.40-11.55 | Insights into differential responses of olive cultivars to <i>Xylella fastidiosa</i> infections | Pasquale Saldarelli Institute for Sustainable Plant Protection (IPSP) of the National Research Council of Italy (CNR) (IT) |
| 11.55-12.00 | Q&A | |
| 12.00-12.15 | Extent and ecological significance of homologous recombination in <i>Xylella fastidiosa</i> | Leonardo De La Fuente Auburn University (US) |

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| 12.15-12.20 | Q&A | |
| 12.20-12.35 | Can genome sequences tell us anything worthwhile about <i>Xylella fastidiosa</i> ecology? | Rodrigo Almeida University of California Berkeley (US) |
| 12.35-12.40 | Q&A | |
| 12.40-13.00 | <i>Questions and discussion</i> | |
| 13.00-14.00 | Lunch- Hall d'exposition Napoléon Bonaparte | |
| SESSION 2: Vectors I – Auditorium Pascal Paoli | | |
| Chair: João R.S. Lopes , Dept. Entomology and Acarology University of São Paulo/ESALQ (BR) | | |
| 14.00-14.15 | Reduction in vector acquisition and transmission efficiency of <i>Xylella fastidiosa</i> subsp. <i>pauca</i> by blocking the afimbrial protein XadA2 | João R.S. Lopes , Dept. Entomology and Acarology University of São Paulo/ESALQ (BR) |
| 14.15-14.20 | Q&A | |
| 14.20-14.35 | Reconstruction of the plant-vector trophic networks involved in the spread of <i>Xylella fastidiosa</i> through hybrid capture | Jean-Yves Rasplus Institut National de la Recherche Agronomique (INRA) (FR) |
| 14.35-14.40 | Q&A | |
| 14.40-14.55 | Mark-recapture experiments to estimate the dispersal capacity of <i>Philaenus spumarius</i> | Anna Simonetto University of Brescia (IT) |
| 14.55-15.00 | Q&A | |
| 15.00-15.15 | Phenology and host-plant association of spittlebugs in Mediterranean olive groves | Domenico Bosco University of Torino (IT) |
| 15.15-15.20 | Q&A | |
| 15.20-15.35 | Use of vibrations to manipulate the behaviour of the meadow spittlebug <i>Philaenus spumarius</i> | Sabina Avosani University of Trento (IT) |
| 15.35-15.40 | Q&A | |
| 15.40-16.00 | <i>Questions & discussion</i> | |
| 16.00-16.30 | Coffee/Tea break- Hall d'exposition Napoléon Bonaparte | |
| SESSION 3: Detection - Salle Sampiero Corso | | |
| Chair: Françoise Petter , European and Mediterranean Plant Protection Organization (EPPO) | | |
| 14.00-14.15 | Novel and high-throughput diagnostic procedures to detect <i>Xylella fastidiosa</i> in planta and vectors developed within POnTE project | Françoise Poliakoff Agence Nationale de Sécurité Sanitaire de l'Alimentation, de l'Environnement et du Travail (ANSES) (FR) |
| 14.15-14.20 | Q&A | |
| 14.20-14.35 | New tetraplex qPCR assays for simultaneous detection and identification of <i>Xylella fastidiosa</i> subspecies in plant tissues | Enora Dupas Agence Nationale de Sécurité Sanitaire de l'Alimentation, de l'Environnement et du Travail (ANSES) (FR) |

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| | | Institut National de la Recherche Agronomique (INRA) (FR) |
| 14.35-14.40 | Q&A | |
| 14.40-14.55 | Validation of real-time PCR assays for the specific detection of each <i>Xylella fastidiosa</i> sub-species | Jennifer Cole Fera Science Ltd (Fera) (UK) |
| 14.55-15.00 | Q&A | |
| 15.00-15.15 | A quick and efficient method for detection of <i>Xylella fastidiosa</i> in olive plants based on tissue-print | Helvecio della Coletta-Filho Campinas Agronomic Institute (IAC), APTA Citrus Sylvio Moreira Center (BR) |
| 15.15-15.20 | Q&A | |
| 15.20-15.35 | Optimization of sampling and testing procedures for detecting <i>Xylella fastidiosa</i> in large lots of plants for planting and nursery stocks | Giuliana Loconsole University of Bari Aldo Moro (IT) |
| 15.35-15.40 | Q&A | |
| 15.40-16.00 | Questions & discussion | |
| 16.00-16.30 | Coffee/Tea break- Hall d'exposition Napoléon Bonaparte | |
| SESSION 4: Ecology, epidemiology and modelling - Auditorium Pascal Paoli | | |
| Chair: Rodrigo Krugner, Agricultural Research Service (ARS, USDA) (US) | | |
| 16.30-16.45 | Temperature determines growth and biofilm formation of <i>Xylella fastidiosa</i> strains in vitro | Juan A. Navas-Cortés Institute for Sustainable Agriculture (IAS-CSIC) (ES) |
| 16.45-16.50 | Q&A | |
| 16.50-17.05 | Developing a spatial epidemiological model to estimate <i>Xylella fastidiosa</i> dispersal and spread | Daniel Chapman University of Stirling (UK) |
| 17.05-17.10 | Q&A | |
| 17.10-17.25 | An epidemiological model for the short-range spread of <i>Xylella fastidiosa</i> and the assessment of eradication management measures | Gianni Gilioli University of Brescia (IT) |
| 17.25-17.30 | Q&A | |
| 17.30-17.45 | Risk maps and risk-based surveillance for early detection of <i>Xylella fastidiosa</i> in continental France | Davide Martinetti Institut National de la Recherche Agronomique (INRA) (FR) |
| 17.45-17.50 | Q&A | |
| 17.50-18.05 | The spreading of <i>Xylella fastidiosa</i> subsp. <i>pauca</i> among the olive orchards of Southern Italy (Apulia) | Enrico Bucci Sbarro Health Research Organization (SHRO)-Temple University (US) |
| 18.05-18.10 | Q&A | |
| 18.10-18.30 | Questions & discussion | |

| SESSION 5: Vectors II – Salle Sampiero Corso | | |
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| Chair: Michael Maixner, Federal Research Centre for Cultivated Plants, Julius Kühn Institute (JKI) (DE) | | |
| 16.30-16.45 | Insights into the transmission dynamics of <i>Xylella fastidiosa</i> by <i>Philaenus spumarius</i> | Daniele Cornara Institute of Sustainable Agriculture (IAS-CSIC) (ES) |
| 16.45-16.50 | Q&A | |
| 16.50-17.05 | A barcode database to identify the vectors of <i>Xylella fastidiosa</i> in Europe | Jean-Claude Streito Institut National de la Recherche Agronomique (INRA) (FR) |
| 17.05-17.10 | Q&A | |
| 17.10-17.25 | Detection, identification and surveillance of <i>Xylella fastidiosa</i> on vectors in France | Amandine Cuntz Agence Nationale de Sécurité Sanitaire de l'Alimentation, de l'Environnement et du Travail (ANSES) (FR) |
| 17.25-17.30 | Q&A | |
| 17.30-17.45 | Transmission characteristics of <i>Xylella fastidiosa</i> subsp. <i>pauca</i> (ST53) by <i>Philaenus spumarius</i> and <i>Cicadella viridis</i> | Nicola Bodino University of Torino (IT) |
| 17.45-17.50 | Q&A | |
| 17.50-18.00 | Flight behaviour of <i>Philaenus spumarius</i> , the main vector of <i>Xylella fastidiosa</i> | Clara Lago Institute of Sustainable Agriculture (IAS-CSIC) (ES) |
| 18.00-18.10 | Host plant affiliation of xylem-feeders within Central Europe | Anna Markheiser Julius Kühn Institute (JKI) (DE) |
| 18.10-18.30 | <i>Questions & discussion</i> | |
| 18.45-21.00 | Cocktail and Poster session - Hall d'exposition Napoléon Bonaparte | |
| 19.00-20.00 | Presentation of posters with odd numbers | |
| 20.00-21.00 | Presentation of posters with even numbers | |

DAY 2 – 30th October 2019

| SESSION 6: Risk and impact assessment – Auditorium Pascal Paoli | | |
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| Chair: Blanca Landa, Higher Council for Scientific Research (CSIC) (ES) | | |
| 08.30-08.45 | Monitoring the impact of <i>Xylella</i> on Apulia's olive orchards using Sentinel-2 satellite data and aerial photographs | Pieter Beck Joint Research Centre (JRC), European Commission (EC) |
| 08.45-08.50 | Q&A | |
| 08.50-09.05 | An updated assessment of the risks to plant health posed by <i>Xylella fastidiosa</i> in the EU territory | Stephen Parnell Salford University (UK) |
| 09.05-09.10 | Q&A | |
| 09.10-09.25 | Potential impact of <i>Xylella fastidiosa</i> subsp. <i>pauca</i> in European olives: a bio-economic analysis | Kevin Schneider Wageningen University & Research (NL) |
| 09.25-09.30 | Q&A | |
| 09.30-09.45 | Estimating the economic, social and environmental impacts of European priority pests: a joint project for EFSA and JRC and the case study of <i>Xylella fastidiosa</i> | Berta Sánchez Joint Research Centre, European Commission (JRC) and Olaf Mosbach-Schulz European Food Safety Authority (EFSA) |
| 09.45-09.50 | Q&A | |
| 09.50-10.05 | Living with <i>Xylella</i> : The dynamics of knowledges within <i>X. fastidiosa</i> "sociopathosystems" in Puglia and Corsica | Christian Colella University of Milano-Bicocca (IT) |
| 10.05-10.10 | Q&A | |
| 10.10-10.30 | Questions & discussion | |
| 10.30-11.00 | Coffee/Tea break- Hall d'exposition Napoléon Bonaparte | |
| SESSION 7: Surveillance – Auditorium Pascal Paoli | | |
| Chair: Philippe Reignault, Agence Nationale de Sécurité Sanitaire de l'Alimentation, de l'Environnement et du Travail (ANSES) (FR) | | |
| 11.00-11.15 | Targeting surveillance for <i>Xylella fastidiosa</i> in Europe: an epidemiological basis | Alexander Mastin University of Salford (UK) |
| 11.15-11.20 | Q&A | |
| 11.20-11.35 | Spatio-temporal monitoring of <i>Xylella fastidiosa</i> in olive trees using radiative transfer models and Sentinel-2 images | Alberto Hornero Swansea University (UK) |
| 11.35-11.40 | Q&A | |
| 11.40-11.55 | A survey in Israel reveals the presence of <i>Xylella fastidiosa</i> in almond trees in the northern part of the country | Ofir Bahar Agricultural Research Organization (ARO) (IL) |
| | Q&A | |

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| 12.00-12.15 | Optimization of the delimiting survey strategies for <i>Xylella fastidiosa</i> in the demarcated area in Alicante | Elena Lázaro Hervás Instituto Valenciano de Investigaciones Agrarias (IVIA) (ES) |
| 12.15-12.20 | Q&A | |
| 12.20-12.35 | EFSA tool kit for <i>Xylella fastidiosa</i> risk based surveillance in the EU Member States | Sybren Vos European Food Safety Authority (EFSA) |
| 12.35-12.40 | Q&A | |
| 12.40-13.00 | <i>Questions & discussion</i> | |
| 13.00-14.00 | Lunch break - Hall d'exposition Napoléon Bonaparte | |
| SESSION 8: Biology and pathogenicity II – Salle Sampiero Corso | | |
| Chair: Marie-Agnès Jacques, Institut National de la Recherche Agronomique (INRA) (FR) | | |
| 11.00-11.15 | Spatial distribution and genetic structure of <i>Xylella fastidiosa</i> subsp. <i>pauca</i> in Olive trees in Southeast Brazil | Nagela Safady Centro de Citricultura Sylvio Moreira (CCSM-IAC) (BR) Federal University of São Carlos (UFSCar) (BR) |
| 11.15-11.20 | Q&A | |
| 11.20-11.35 | Cultivar susceptibility and temperature-dependent recovery of <i>Xylella fastidiosa</i> -infected grapevines | Lindsey Burbank Agricultural Research Service (USDA) (US) |
| 11.35-11.40 | Q&A | |
| 11.40-11.55 | Phenotypic characterization of two Spanish strains of <i>Xylella fastidiosa</i> subsp. <i>multiplex</i> ST6 differing in plasmid content | Miguel Román-Écija Institute for Sustainable Agriculture (IAS-CSIC) (ES) |
| 11.55-12.00 | Q&A | |
| 12.00-12.15 | Ancestral state reconstructions of <i>Xylella fastidiosa</i> -host plant relationships | Alexandra Kahn University of California Berkeley (US) |
| 12.15-12.20 | Q&A | |
| 12.20-12.35 | Rethinking the <i>Xylella fastidiosa</i> scenario in the Balearic Islands: what epidemiological, phylogenetic and dendrochronological data tell us | Eduardo Morelejo Empresa de Transformación Agraria (Tragsa) (ES) |
| 12.35-12.40 | Q&A | |
| 12.40-13.00 | <i>Questions & discussion</i> | |
| 13.00-14.00 | Lunch break - Hall d'exposition Napoléon Bonaparte | |
| SESSION 9: Sustainable control measures – Auditorium Pascal Paoli | | |
| Chair: Rodrigo Almeida, University of California Berkeley (US) | | |
| 14.00-14.15 | The VSPP, a voluntary certification programme to produce healthier plants for planting in the EU | Camille Picard European and Mediterranean Plant Protection Organization (EPPO) |
| 14.15-14.20 | Q&A | |

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| 14.20-14.35 | N-acetyl-cysteine for controlling <i>Xylella fastidiosa</i> in citrus and olive: understanding the differences to improve management | Alessandra de Souza Centro de Citricultura Sylvio Moreira (CCSM-IAC) (BR) |
| 14.35-14.40 | Q&A | |
| 14.40-14.55 | Further acquisition on the response of a large number of olive cultivars to infections caused by <i>Xylella fastidiosa</i> subsp. <i>pauca</i> , ST53 | Donato Boscia Institute for Sustainable Plant Protection (IPSP) of the National Research Council of Italy (CNR) (IT) |
| 14.55-15.00 | Q&A | |
| 15.00-15.15 | Strategies for reducing vector populations and transmission of <i>Xylella fastidiosa</i> in olive groves | Crescenza Dongiovanni Centro di Ricerca, Sperimentazione e Formazione in Agricoltura "Basile Caramia" (CRSFA) (IT) |
| 15.15-15.20 | Q&A | |
| 15.20-15.30 | Understanding the olive microbiome of susceptible and resistant cultivars for sustainable biocontrol | Paula Baptista Polytechnic Institute of Bragança (IPB) (PT) |
| 15.30-15.40 | Assessment of <i>Paraburkholderia phytofirmans</i> PsJN biocontrol potential against <i>Xylella fastidiosa</i> 'De Donno' strain in olive | Massimiliano Morelli Institute for Sustainable Plant Protection (IPSP) of the National Research Council of Italy (CNR) (IT) |
| 15.40-16.00 | <i>Questions & discussion</i> | |
| 16.00-16.30 | Coffee/Tea break- Hall d'exposition Napoléon Bonaparte | |
| FINAL SESSION: | | |
| What achievements and new research targets for control of <i>Xylella</i>? | | |
| Discussion with stakeholders and conference conclusions | | |
| <i>Auditorium Pascal Paoli</i> | | |
| Chair: Giuseppe Stancanelli , European Food Safety Authority (EFSA) | | |
| 16.30-16.45 | European Farmers' and Agri-Cooperatives' point of view on next research priorities for control of <i>Xylella</i> | Luc Peeters Chair of Phytosanitary Questions working group, COPA-COGECA |
| 16.45-17.05 | <i>Discussion with all the conference Chairs</i> | |
| 17.05-17.20 | European Nurseries' point of view on next research priorities for control of <i>Xylella</i> | Josep M. Pagès European Nurserystock Association (ENA) |
| 17.20-17.40 | <i>Discussion with all the conference Chairs</i> | |
| 17.40-17.55 | Risk managers' point of view on next research priorities for control of <i>Xylella</i> | Pasquale Di Rubbo European Commission, DG SANTE |
| 17.55-18.15 | <i>Discussion with all the conference Chairs</i> | |
| 18.15-18.30 | Final conclusions | Claude Bragard |



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| | | Chair of EFSA Plant Health Panel |
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DAY 3 – 31st October 2019

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| 08.00-16.00 | Field visit organised by CNBC-OEC and INRA |
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