

Workshop on *Xylella fastidiosa*: knowledge gaps and research priorities for the EU

12-13 November, Brussels

Draft Programme

08.30-09.00	Registration of participants	
1. PLENARY SESSION		
Chair: Franck Berthe, <i>Head of the Animal and Plant Health Unit (EFSA)</i>		
Overall Rapporteur: Michael John Jeger, <i>Chair of the Plant Health Panel (EFSA)</i>		
09.00 - 09.15	Welcome and introduction to the event	Patrick Kolar (<i>EC, DG RTD</i>)
09.15 - 09.30	Status and control of <i>X. fastidiosa</i> in the EU	Pasquale Di Rubbo (<i>EC, DG SANTE</i>)
09.30 - 09.50	What is the risk of <i>X. fastidiosa</i> for Europe?	Claude Bragard (<i>EFSA Plant Health Panel</i>)
09.50 - 10.10	State of the art on biology and epidemiology of the <i>X. fastidiosa</i> outbreak in Apulia	Maria Saponari, <i>CNR (Italy)</i>
10.10 - 10.25	<i>X. fastidiosa</i> outbreak in France: identification of the causal agent and distribution of the disease	Charles Manceau, <i>ANSES (France)</i>
10.25 - 10.35	<i>Questions and answers</i>	
10.35 - 11.00	Coffee/Tea break	
11.00 - 11.30	State of the art on <i>X. fastidiosa</i> in North America	Alexander Purcell, <i>University of California Berkeley (USA)</i>
11.30 - 12.00	<i>X. fastidiosa</i> in South America: ecological basis for management	João Lopes, <i>University of São Paulo (Brazil)</i>
12.00 - 12.10	<i>Questions and answers</i>	
12.10 - 12.25	Research needs on <i>X. fastidiosa</i> : a perspective from the EU farmers	Giovanni Cantele (<i>Copa Cogeca</i>)
12.25 - 12.40	Research needs on <i>X. fastidiosa</i> : an Euphresco perspective	Giovani Baldissera, <i>Euphresco coordinator (EPPO)</i>
12.40 - 12.50	<i>Questions and answers</i>	
12.50 - 13.00	Introduction to the Discussion Groups	
13.00-14.00	Lunch break	

2. BREAKOUT SESSIONS ADDRESSING SPECIFIC QUESTIONS

14.00-18.30	<p>Session 1 Surveillance and Detection Chair: Harry Arijs (EC, DG SANTE) Rapporteur: Stephen Parnell (EFSA PLH Panel / University of Salford, UK)</p>
14.00 - 14.10	Scope of the session and overview of topics proposed by participants (EFSA)
14.10 - 14.25	Introduction to the session: surveillance methodology for <i>X. fastidiosa</i> (Stephen Parnell, EFSA PLH Panel / University of Salford, United Kingdom)
14.25 - 15.10	Short presentations from participants How can remote sensing contribute to the surveillance of <i>X. fastidiosa</i> affected regions? (Pieter Beck, European Commission – JRC) Innovative tools in the early detection and surveillance of <i>X. fastidiosa</i> (Anna Maria D’Onghia, CIHEAM–IAMB, Italy) Detection of <i>X. fastidiosa</i> in the frame of surveillance activities in Austria (Richard Gottsberger, AGES, Austria) Electrochemical label-free sensing platform for rapid, onsite detection of <i>X. fastidiosa</i> (Alan O’Riordan, Tyndall National Institute, Ireland) Detection of <i>X. fastidiosa</i> in <i>Coffea arabica</i> ornamental plants (Maria Bergsma-Vlami, National Plant Protection Organisation, the Netherlands) The sentinel nursery and plantation concept: an opportunity to respond to the <i>X. fastidiosa</i> threat to Europe? (Andrea Vannini, University of Tuscia, Italy) Developing guidelines for a possible strategy for the surveillance of <i>X. fastidiosa</i> in Europe (Emilio Stefani, University of Modena and Reggio Emilia, Italy)
15.10 - 15.20	The EU Horizon 2020 PONTE project: the work plan on <i>X. fastidiosa</i> surveillance (Maria M. Lopez, Instituto Valenciano de Investigaciones Agrarias, Moncada, Spain)
15.20 - 16.00	Discussion
16.00 - 16.20	Coffee/Tea break
16.20 - 18.30	Discussion
14.00-18.30	<p>Session 2 The Vectors: identity, biology, epidemiology and control Chair: Giuseppe Stancanelli (Animal and Plant Health Unit, EFSA) Rapporteur: Domenico Bosco (Università degli Studi di Torino, Italy)</p>
14.00 - 14.10	Scope of the session and overview of topics proposed by participants (EFSA)
14.10 - 14.20	Overview of current knowledge on insect vectors/potential vectors of <i>X. fastidiosa</i> in Europe (Domenico Bosco, Università degli Studi di Torino, Italy)
14.20 - 14.30	How do vector numbers, movements, infectivity and transmission efficiency impact the incidence and spatial patterns of plant infection with <i>X. fastidiosa</i> ? (Alexander Purcell, University of California, Berkeley, USA)
14.30 - 14.45	Ecological and behavioral traits that determine vector relevance (Joao Lopes, University of Sao Paulo, Brazil)
14.45 - 15.00	Short presentations from participants Present knowledge of potential vector species in Spain (Alberto Fereres, CSIC, Spain) The "vectors" aspects of the Belgian Xylem research project (Jean-Claude Gregoire, EFSA PLH Panel / Université Libre de Bruxelles, Belgium) Options for control of <i>Philaenus spumarius</i> in organic farming: overview of available active substances (Vincenzo Verrastro, CIHEAM –IAMB, Italy / IFOAM EU) Outline of the EFSA outsourced project to collect data on biology and control of vectors of <i>X. fastidiosa</i> (Sabrina Bertini, Università degli Studi di Torino / CNR, Italy)
15.00-15.10	The EU Horizon 2020 PONTE project: the work plan on <i>X. fastidiosa</i> vectors (Francesco Porcelli, Università Aldo Moro, Bari, Italy and Domenico Bosco, Università degli Studi di Torino, Italy)
15.10-16.00	Discussion
16.00-16.20	Coffee/Tea break
16.20-18.30	Discussion

<p>14.00-18.30</p> <p>14.00 - 14.10 14.10 - 14.25 14.25 - 15.05</p> <p>15.05 - 15.15 15.15 - 16.00 16.00 - 16.30 16.30 - 18.30</p>	<p>Session 3 The Plants: host range, breeding, resistance and certification Chair: Stephan Winter (EFSA PLH Panel / Leibniz Institute DSMZ, Braunschweig, Germany) Rapporteur: Helvécio Della Coletta-Filho (IAC / Centro de Citricultura, Cordeiropolis, Brazil)</p> <p>Scope of the session and overview of topics proposed by participants (EFSA)</p> <p>Testing host range, breeding for resistance and certification for <i>X. fastidiosa</i> subspecies <i>pauca</i> CVC strain (Helvécio Della Coletta-Filho, IAC / Centro de Citricultura, Cordeiropolis, Brazil)</p> <p>Short presentations from participants</p> <p>A comprehensive database on <i>X. fastidiosa</i> host plants (Ciro Gardi, EFSA)</p> <p>Rootstock effects on almond leaf scorch disease incidence and severity (Rodrigo Krugner, USDA – Agricultural Research Service, Parlier, USA)</p> <p>Preliminary results of a pilot project on host range of <i>X. fastidiosa</i> CoDiRO strain (Donato Boscia, CNR Institute for Sustainable Plant Protection, Bari, Italy)</p> <p>Evidences of resistance phenomena in the cv. Leccino upon the infection of <i>X. fastidiosa</i> (Donato Boscia, CNR Institute for Sustainable Plant Protection, Bari, Italy)</p> <p>The World Olive Germplasm Collection of Córdoba (Angjelina Belaj, IFAPA, Junta de Andalucía, Córdoba, Spain)</p> <p>Greek olive germplasm breeding and certification research priorities on <i>X. fastidiosa</i> (Georgios Koubouris, Ellinikos Georgikos Organismos Dimitra, Chania, Greece)</p> <p>The EU Horizon 2020 POnTE project: the work plan on host plants of <i>X. fastidiosa</i> (Donato Boscia, CNR Institute for Sustainable Plant Protection, Bari, Italy)</p> <p>Discussion</p> <p>Coffee/Tea break</p> <p>Discussion</p>
<p>14.00-18.30</p> <p>14.00 - 14.10 14.10 - 14.25 14.25 - 15.00</p> <p>15.00 - 15.10 15.10 - 16.00 16.00-16.20 16.20-18.30</p>	<p>Session 4 The Pathogen: biology, genetics and control Chair: Claude Bragard (EFSA PLH Panel / Université catholique de Louvain, Belgium) Rapporteur: Marie-Agnes Jacques (INRA, Beaucouze, France)</p> <p>Scope of the session and overview of topics proposed by participants (EFSA)</p> <p>Can comparative genomics yield insights to control diseases caused by <i>X. fastidiosa</i> (Marie-Agnes Jacques, INRA, Beaucouze, France)</p> <p>Short presentations from participants</p> <p>Genetic diversity of the CoDiRO strain and other EU intercepted isolates (Maria Saponari, CNR Institute for Sustainable Plant Protection, Bari, Italy)</p> <p>Improved detection of <i>X. fastidiosa</i> and the potential of rapid whole genome sequencing for outbreak delineation and pathogenicity profiling (Tanja Dreö, National Institute of Biology, Slovenia)</p> <p>Antibacterial and plant defence elicitor peptides. Novel tools against <i>X. fastidiosa</i>? (Emilio Montesinos, University of Girona, Spain)</p> <p>A biotechnological approach for <i>X. fastidiosa</i> targeting and population confusion (Pasquale Saldarelli, CNR Institute for Sustainable Plant Protection, Italy)</p> <p>Decoding the DSF quorum-sensing system in Xanthomonadaceae: lessons from <i>Stenotrophomonas maltophilia</i> (Xavier Daura, Institute of Biotechnology and Biomedicine, Universitat Autònoma de Barcelona, Spain)</p> <p>The EU Horizon 2020 POnTE project: the work plan on the pathogen <i>X. fastidiosa</i> (Blanca Landa, CSIC, Spain)</p> <p>Discussion</p> <p>Coffee/Tea break</p> <p>Discussion</p>
<p>18.30-20.00</p>	<p>Networking cocktail</p>

3. CONTINUATION OF THE BREAKOUT SESSIONS ADDRESSING SPECIFIC QUESTIONS		
08.30-10.00	Continuation of the breakout sessions including discussion on the outcomes of the discussion groups and the production of reports to the plenary session	
10.00-10.30	Coffee/Tea break	
4. PLENARY SESSION		
10.30-10.45 10.45-11.00	Report back from Session 1 <i>Discussion</i>	Stephen Parnell, EFSA PLH Panel / University of Salford (United Kingdom)
11.00-11.15 11.15-11.30	Report back from Session 2 <i>Discussion</i>	Domenico Bosco, Università degli Studi, Torino (Italy)
11.30-11.45 11.45-12.00	Report back from Session 3 <i>Discussion</i>	Helvécio Della Coletta-Filho, Instituto Agrônômico – IAC (Brazil)
12.00-12.15 12.15-12.30	Report back from Session 4 <i>Discussion</i>	Marie-Agnes Jacques, INRA (France)
12.30-12.45	Openings for research on plant health and plant protection in Horizon 2020: Focus on <i>X. fastidiosa</i>	Annette Schneegans (EC, DG AGRI)
12.45-13.15	Concluding remarks and end of meeting	Michael John Jeger, Chair of the Plant Health Panel (EFSA)