

COST ACTION FA0807

Integrated Management of Phytoplasma Epidemics in Different Crop Systems

Thursday September 15th 2011

14:00 - 15:30 **WG2 Epidemiology and vector ecology** Phyllis Weintraub and Barbara Jarausch

14:00 - 14:10 Introduction
Phyllis Weintraub, Barbara Jarausch

14:10 - 14:20 The importance of psyllids (Hemiptera: *Psyllidae*) as vectors of phytoplasmas in pome and stone fruit trees in Austria
Christa LETHMAYER, Hermann HAUSDORF, Betty SUAREZ-MAHECHA, Helga REISENZEIN

14:20 - 14:30 '*Candidatus Phytoplasma mali*' infected *Cacopsylla picta* found in apple orchards in South-Western Finland
Anne LEMMETTY, Tuomo TUOVINEN, Riitta KEMPPAINEN

14:30 - 14:35 Population dynamics of psyllids in an apple orchard and their infectivity with apple proliferation - First study on '*Candidatus Phytoplasma mali*' presence in Belgium
Gertie PEUSENS, Cedric DUCHENE, P. LEPOIVRE, Tim BELIEN

14:35 - 14:40 Investigation on the apple proliferation epidemics in the orchards of the Pelion Mountain and preliminary observations on possible phytoplasma vectors
Artemis RUMBOU, Dimitris MILIORDOS, Christos ATHANASIOU, Athanasios KOUTROUMPAS, Anastasia SAHINOGLOU, Ioannis RUMBOS

14:40 - 14:45 Survey of psyllid vectors of fruit tree phytoplasmas in Bulgaria: a preliminary report
Anelia ETROPOLSKA, Barbara JARAUSCH, Georgi TRENCH, Wolfgang JARAUSCH

14:45 - 14:50 An improved olfactometer system for investigating psyllid walking behaviour towards odours emitted by plants
Alan PIZZINAT, Rosemarie TEDESCHI, Jürgen GROSS

14:50 - 14:55 Host plant attraction of two host-races of grapevine yellows disease vector *Hyalesthes obsoletus*
Miriam IMO, Michael MAIXNER, Jes JOHANNESSEN, Jürgen GROSS

14:55 - 15:10 Summary of questionnaire data
Rosemarie Tedeschi, Duska Delic

15:10 - 15:30 Discussion

15:30 - 16:00 Coffee break

16:00 - 17:30 **WG4 Phytoplasma-host interaction** Saskia Hogenhout and Xavier Foissac

16:00 - 16:30 **TAL effectors from *Xanthomonas*: design of a programmable DNA-binding specificity**
Heidi SCHOLZE, Jana STREUBEL, Jens BOCH

16:30 - 16:45 **Use of quantitative real time PCR for a genome-wide study of AYWB phytoplasma gene expression in plant and insect hosts**
Olga MAKAROVA, Allyson M. MACLEAN, Saskia A. HOGENHOUT, Mogens NICOLAISEN

16:45 - 17:00 **Phytoplasma effectors alter flower development and plant-insect interactions**
Allyson M. MACLEAN, Akiko SUGIO, Heather N. KINGDOM, Victoria M. GRIEVE, Saskia A. HOGENHOUT

17:00 - 17:15 **Epigenetic control of stolbur phytoplasma - tomato plant interaction**
Sandrine EVEILLARD

17:15 - 17:30 **First data obtained by shotgun proteomics from *Nicotiana occidentalis* infected by 'Candidatus Phytoplasma mali'**
Michael KUBE, Toni LUGE, Erich SEEMÜLLER, Anja FREIWALD, Sascha SAUER

17:30 - 19:00 **WG1-WG2-WG3-WG4 round table discussion (phytoplasma and insect vector genome sequencing approaches)**

Friday September 16th 2011

08:30 - 10:00 **WG3 Phytoplasma control in crop systems** Wolfgang Jarausch and Ester Torres

8:30 - 8:40 **Introduction**
Wolfgang Jarausch, Ester Torres

8:40 - 8:50 **Breeding apple proliferation-resistant rootstocks: durability of resistance and pomological evaluation**
Wolfgang JARAUSCH, Claudia BISOGNIN, Bernd SCHNEIDER, Stella GRANDO, Riccardo VELASCO, Erich SEEMÜLLER

8:50 - 8:55 **Response of apple proliferation-resistant *Malus sieboldii* hybrids to multiple infections with latent apple viruses**
Anna Maria CICCOTTI, Claudia BISOGNIN, Ivana BATTOCLETTI, Marco DEROMEDI, Paola BRAGAGNA, Mauro FILIPPI

8:55 - 9:00 **Interaction of latent apple viruses with 'Candidatus Phytoplasma mali' in micropropagated apple**
Annerie LIEBENBERG, Wolfgang JARAUSCH, Thierry WETZEL

9:00 - 9:10 **The use of *Spiroplasma melliferum* as a model organism to study the antagonistic activity of grapevine endophytes against phytoplasma**
Vered NAOR, David EZRA, Tirtza ZAHAVI

- 9:10 - 9:15** **Effects of possible repellents on feeding and survival of *Cacopsylla pruni* (Scopoli)**
Monika RIEDLE-BAUER, Helmut BAUER, Judith MÖRTEL
- 9:15 - 9:20** **Monitoring *Scaphoideus titanus* for IPM purposes: results of a pilot-project in Piedmont (NW Italy)**
Federico LESSIO, Ivan ALBERTIN, Dario M. LOMBARDO, Paola GOTTA, Alberto ALMA
- 9:20 - 9:25** **'*Candidatus Phytoplasma phoenicium*'-related strains infecting almond, peach and nectarine in Lebanon**
Marina MOLINO LOVA, Fabio QUAGLINO, Youssuf ABOU-JAWDAH, Elia CHOUERI, Hana SOBH, Alberto ALMA, Rosemarie TEDESCHI, Paola CASATI, **Piero A. BIANCO**
- 09:25 - 09:30** **On the distribution of '*Candidatus Phytoplasma pyri*' in the European Union based on a systematic literature review approach**
Robert STEFFEK, Swen FOLLAK, Gudrun STRAUSS, Ko VERHOEVEN, Roel POTTING, OIia KARADJOVA, Ventsyslav VENTSISLAVOV, Vladimir KRUMOV, Alan MACLEOD
- 09:30 - 09:45** **Presentation of results of WG3 questionnaires**
Tim Belien, Michael Maixner
- 09:45 - 10:00** Discussion
- 10:00 - 10:30** **WG2-WG3 round table discussion (results of insect vector and disease management questionnaires)**

10:30 - 11:00 Coffee break

11:00 - 12:30 **WG1 Early detection and diagnostics** Bojan Duduk and Jana Franova

- 11:00 - 11:30** **European interlaboratory comparison and validation of detection methods for '*Candidatus Phytoplasma mali*', '*Candidatus Phytoplasma prunorum*' and '*Candidatus Phytoplasma pyri*': preliminary results**
THE EUPHRESCO FRUITPHYTOINTERLAB GROUP - presented by Graziella PASQUINI and Natasa MEHLE
- 11:30 - 12:00** **Highlights on some EPP0 activities in plant quarantine**
Francoise PETTER, Muriel SUFFERT, Anne Sophie ROY, Damien GRIESSINGER, Madeleine MCMULLEN
- 12:00 - 12:10** **Difficulties with conventional phytoplasma diagnostic using PCR/RFLP analyses**
Jana FRÁNOVÁ
- 12:10 - 12:30** **Sharing information and collections on phytoplasmas: from QBOL to QBANK**
Assunta BERTACCINI, Samanta PALTRINIERI, Olga MAKAROVA, Nicoletta CONTALDO, Mogens NICOLAISEN

12:30 - 13:00 **Final COST round table discussion**

13:00 - 14:00 Take away lunch

14:00 - 17:00 **COST FA0807 Executive committee meeting**