

## COST Action FA0807 final meeting Lisbon, Portugal



**September 30/October 1, 2013**  
Hotel Praia Mar - Carcavelos

### SCIENTIFIC PROGRAM

**Monday September 30, 2013**

**08:30-08:40** Opening of the meeting

**08:40-10:30** *Diseases and vectors in COST countries*

**Bojan Duduk - Jana Franova - Barbara Jarausch**

**Presentation of WG1 and WG2 results**

**M. Nicolaisen** **Phytoplasmas and phytoplasma vectors in Denmark, Finland, Lithuania and Norway**

**G. Peusens**, P. Lepoivre, S. Steyer, P. Laurent, K. De Jonghe, M. Dickinson, M. Verbeek, T. Beliën **Phytoplasma diseases and vectors in United Kingdom, The Netherlands and Belgium**

**J. Fránová**, J. Příbylová, M. Navrátil, D. Šafářová, I. Ember, M. Kölber, S. Süle, M. Cieslinska, M. Kaminska **Phytoplasma diseases and their vectors in the Czech Republic, Hungary and Poland**

**B. Jarausch**, M. Maixner, P. Kehrlj, S. Schaerer **Presence and distribution of phytoplasma diseases and vectors in Germany and Switzerland – current state of the art**

**X. Foissac** **Recent insight on phytoplasma diseases and vectors in France**

**Dijana Skoric** **Overview of the phytoplasma and vector research in Austria, Croatia and Slovenia since 2009**

**Bojan Duduk** **Overview of the phytoplasma and its vector research in Bosnia and Herzegovina, Bulgaria, FY Republic of Macedonia, Romania and Serbia**

**E. Torres**, A. Batlle, A. Laviña, J. Bech, A. Bertaccini, E. Sousa **Review of occurrence of phytoplasmas in Spain, Portugal and Malta**

**P.A. Bianco** **Phytoplasmas and phytoplasma vectors in Greece, Israel, Italy and Turkey**

### 11:00-13:00 Diseases and vector in non COST countries

**Assunta Bertaccini**

#### Report on non COST countries

M. Molino Lova, Y. Abou Jawdah, E. Choueiri, M. Beyrouthy, **R. Fakhr**, P.A. Bianco, A. Alma, H. Sobhn, M. Jawahri, C. Mortada, P. Najjar, P. Casati, F. Quaglino, L. Picciau, R. Tedeschi, S. Khalil, R. Maacaroun, C. Makfoud, L. Haydar, R. Al Achi **Almond witches' broom phytoplasma: disease monitoring and preliminary control measures in Lebanon**

**L. Picciau**, R. Tedeschi, F. Quaglino, M. Jawhari, Y. Abou-Jawdah, M. Molino Lova, P. Casati, E. Choueiri, H. Abdul-Nour, P.A. Bianco, A. Alma **Potential vectors of 'Candidatus Phytoplasma phoenicium' in Lebanon**

**N.M. Salem**, F. Quaglino, A. Abdeen, P. Casati, D. Bulgari, A. Alma, P.A. Bianco **First report of 'Candidatus Phytoplasma solani' associated with grapevine "bois noir" disease in Jordan**

**J.F. Mejia**, B. Duduk, L. Zamora, S. Paltrinieri, E. Satta, A. Bertaccini, N. Contaldo **Identification and molecular characterization of 'Candidatus Phytoplasma' strains from maize in four Countries**

**L. Conci**, F. Guzman, F. Fernandez, E. Galdeano, T. Perez Grosso, A. Saavedra Pons, L. Torres, N. Meneguzzi **Advances in knowledge about phytoplasma diseases in Argentina**

R. Carstens, **J. Burger** **An update on the status of grapevine yellows disease in vineyards of the Olifants River region of South Africa**

### 14:30-16:00 Diseases and insect vectors

*Chair Barbara Jarausch-Nicolas Sauvion*

J. Plavec, I. Križanac, Ž. Budinščak, D. Ivić, D. Škorić, **M. Šeruga Musić** **'Candidatus Phytoplasma mali' - a new phytoplasma species molecularly characterized in Croatia.**

**C. Chireceanu**, M. Cieślińska **Molecular characterization of 'Candidatus Phytoplasma mali' and 'Candidatus Phytoplasma pyri' isolates from Romania.**

K. Çağlayan, M. Gazel, Ç.U. Serçe, K. Kaya **Fruit tree phytoplasmas in Turkey**

**M. Cieślińska**, J. Wójcik-Seliga, B. Kowalik **Molecular diversity of phytoplasmas infecting *Rubus* sp. plants in Poland**

R. Ramkat, M. Ruinelli, F. Maghuly, **M. Laimer** **Phytoplasmas associated with *Rubus idaeus* and *Rubus fruticosus***

J. Přibyllová, **J. Špak**, J. Fránová **Phytoplasma infections in *Rhododendron hybridum***

B. Lolić, G. Perković, **D. Delić** **Maize redness disease: current situation in Bosnia and Herzegovina**

**G. Peusens**, C. Duchêne, P. Lepoivre, T. Olivier, S. Steyer, E. Demonty, P. Laurent, T. Beliën **Fruit tree phytoplasmas and their vectors in pome fruit growing in Belgium: overview of current status and recent research efforts**

### 16:00-17:30 Molecular tools developed

*chair Bojan Duduk-Jana Franova*

**J. Mitrović**, N. Contaldo, A. Bertaccini, M. Kube, B. Duduk **Use of *groEL* gene in characterization of strains belonging to some 'Candidatus phytoplasma' species**

**M. Martini**, S. Moruzzi, P. Ermacora, F. Ferrini, N. Loi **Multiplex and real-time PCR assays for the specific detection of chicory phyllody phytoplasma (16SrIX-C)**

A. Rotter, P. Nikolić, P. Kogovšek, N. Turnšek, N. Prezelj, K. Gruden, **M. Dermastia** **Searching for new markers of the phytoplasma diseases of grapevine**

F. Quaglino, Y. Zhao, N. Mori, G. Romanazzi, P. Casati, W. Wei, S. Murolo, R.E. Davis, **P.A. Bianco** **Multilocus sequence typing of phytoplasma strains associated with "bois noir" in Italian vineyards**

**M. Nicolaisen**, O. Makarova, S. Paltrinieri, A. Bertaccini, N. Contaldo **DNA barcoding of phytoplasmas: a tool for their fast identification**

**J. Polák**, J. Salava, B. Křižan, J. Svoboda **To the problem of reliable detection and sanitation of European stone fruit yellows phytoplasma in apricots**

## Tuesday October 1, 2013

### 08:30-10:30 Management of phytoplasma-associated diseases

Wolfgang Jarausch and Ester Torres

Presentation of WG3 results

#### Molecular Epidemiology

chair Ester Torres-Nicola Mori

**C. Paleskić**, G. Brader, M. Riedle-Bauer **Identification and characterization of European stone fruit yellows and pear decline phytoplasma strains in Austria**

**G. Brader**, A. Aryan, J. Mörtel, M. Pastar, M. Riedle-Bauer **“Stolbur” phytoplasma strains in Austria and their association with grapevine, bindweed, stinging nettle and *Hyalesthes obsoletus***

**A. Laviña**, J. Sabaté, A. Batlle **Occurrence of *Hyalesthes obsoletus* and “stolbur” phytoplasma strains in grapevine and host plants in Spain**

**B. Uzun**, C. Ikten, M. Catal, R. Ustun, S. Furat, E. Yol **Advances in molecular detection of the sesame phytoplasmas and resistance to sesame phyllody in Turkey**

#### Management

chair Wolfgang Jarausch-Monika Riedle-Bauer

**Z. Avramov**, A. Etropolska, D. Chavdarova, M. Eftenov, M. Laginova **Monitoring programs for quarantine phytoplasmas on grapevine and fruit trees and problems for the phytosanitary control in Bulgaria**

R. Steffek, G. Strauss, I. Kopacka, J. Pusterhofer, J. Klement, W. Luttenberger, A. Wenzel, A. Kleissner, R. Alt, **H. Reizenzein** **Modeling epidemiological and economic consequences of “flavescence dorée” to Austrian viticulture as a novel decision tool for control strategies**

**E. Sousa**, C. Paula, C. Mimoso, K. Teixeira, A.M. Nazaré ***Scaphoideus titanus* Ball and “flavescence dorée” disease in Portugal**

**N. Mori**, F. Pavan, A. Pozzebon, D. Fornasiero, C. Peruffo, C. Duso **The role of vineyards not treated with insecticides on *Scaphoideus titanus* spreading**

**M. Riedle-Bauer**, C. Paleskić, K. Bachinger, J. Mörtel, C. Engel, M. Kickenweiz, L. Wurm, L. Czipin, G. Brader **Mark, release and recapture experiments in two model apricot orchards tracking the effects of the insecticide thiacloprid on the dispersal of *Cacopsylla pruni* (Hemiptera: Psyllidae), vector of European stone fruit yellows**

D. Bulgari, P. Casati, F. Quaglino, **P.A. Bianco** **Isolation of potential biocontrol agents of ‘*Candidatus Phytoplasma mali*’**

### 11:00-13:00 and 14:30-15:10 Genomes and their expression

Saskia Hogehout and Xavier Foissac

Presentation of WG4 results

#### Genomes and their expression I

Chair Xavier Foissac-Cristina Marzachi

**S. Hogehout** **From genomics to the characterization of virulence mechanisms of phytoplasmas**

**M. Kube**, C. Siewert, A.M. Migdoll, B. Duduk, S. Holz, R. Rabus, E. Seemüller, J. Mitrovic, C. Büttner, R. Reinhardt **Complete genomes and deduced metabolism of acholeplasmas in comparison to members of ‘*Candidatus Phytoplasma*’ genus**

L. Galetto, D. Pacifico, S. Abbà, S. Bertin, S. Palmano, M. Rashidi, D. Bosco, G. Firrao,

**C. Marzachi** **Overtime expression of selected chrysanthemum yellows phytoplasma genes during infection of plant and leafhopper vectors**

S.V. Buxa, R. Polizzotto, F. De Marco, A. Loschi, K-H. Kogel, A.J.E. van Bel, **R. Musetti** **Re-arrangement of sieve element endomembrane network in tomato leaves infected by “stolbur” phytoplasma**

B. Schneider, E. Seemüller **Effect on disease development of suppressive strains of ‘Ca. P. mali’ and their molecular characterization**

**Genomes and their expression II**

*chair Saskia Hogenhout-Michael Kube*

M. Rashidi, L. Galetto, A. Bulgarelli, F. Veratti, D. Bosco, **C. Marzachi** **The antigenic membrane protein Amp of chrysanthemum yellows phytoplasma is involved in transmission by leafhopper vectors**

D. Desqué, D. Khalil, P. Salar, J-L. Danet, P. Carle, N. Bouvery, L. Béven, S. Malembic-Maher, **X. Foissac** **Adaptation of phytoplasmas responsible for grapevine “flavescence dorée” to *Scaphoideus titanus* insect vector: the role of variable membrane proteins VMPs**

**15:10-15:40 COST FA0807 invited presentation**

**Shigetou Namba**

***In planta* proteolytic processing and activation of the phytoplasma witches' broom inducer TENGU**

**15:40-16:00 Martin Verbeek web site**

**16:30-18:00 Discussion of the draft scientific report with COST officers (Restricted meeting)**

Oral presentations in sessions:

***Diseases and vectors in COST countries***

***Diseases and insect vectors***

***Molecular tools developed***

***Management of phytoplasma-associated diseases***

should be of **10 minutes maximum** enclosing discussion

Oral presentations in sessions:

***Diseases and vector in non COST countries***

***Genomes and their expression***

should be of **20 minutes maximum** enclosing discussion

