



**COST action FA0807
Workshop**

**New Perspectives in Phytoplasma Disease
Management**



Barcelona, 22 March 2013

The goal of COST action FA0807 “Integrated Management of Phytoplasma Epidemics in Different Crop Systems” is to promote information exchange in order to design integrated phytoplasma management strategies for the sustainable production of high-quality plant products and to reduce pesticide use, resulting in less residues in fresh market products: fruits, vegetables and grapevine. This workshop aims to disseminate the information collected in the COST network to plant protection services, plant health inspectors, advisors, nurserymen and growers.

www.costphytoplasma.eu

General information

Phytoplasmas are insect-transmitted plant pathogenic prokaryotes associated with serious diseases in important crops such as grapevine, vegetables, corn, sugar beet, oil-seed crops and fruit trees. Recent advances in phytoplasma genomics have generated an impetus for research into control and management of these diseases. This Action integrates European phytoplasma research, enabling research funds to be used more efficiently by reducing duplication of efforts. New approaches for disease management, improved diagnostic methods, reduction of disease spread, improvement of insect-vector monitoring and a reduction in the pesticides used for control were achieved and harmonized.

The COST action FA0807 is composed of four working groups:

WG 1: Early detection and diagnostics

WG 2: Epidemiology and vector ecology

WG 3: Crop systems and control

WG 4: Phytoplasma/host interactions

The workshop will present the most recent information obtained with special attention to the management of phytoplasma diseases (WG3).

The coordinators of working group 3, Wolfgang Jarausch and Ester Torres, invite you to attend this workshop. It will present in one day a clear and exhaustive summary of the new perspectives of phytoplasma disease management.

Organising committee

Amparo Laviña, IRTA, Institut de Recerca i Tecnologia Agroalimentàries, Cabrils, Spain

Assumpció Batlle, IRTA, Institut de Recerca i Tecnologia Agroalimentàries, Cabrils, Spain

Ester Torres, Laboratori de Sanitat Vegetal, Generalitat de Catalunya, Cabrils, Spain

Wolfgang Jarausch, AIPlanta - Institute for Plant Research, Neustadt/W., Germany

Assunta Bertaccini, *Alma Mater Studiorum*, University of Bologna, Italy



Workshop program

9:00 – 10:30

- Welcome (**Assunta Bertaccini** & Wolfgang Jarausch)
 - Outlook on relevant phytoplasma diseases (**Assunta Bertaccini, Bojan Duduk**)
- Spread of phytoplasma diseases by insect vectors: consequences for risk assessment
 - Introduction (**Barbara Jarausch** & Phyllis Weintraub)
 - Actual distribution of fruit tree and grapevine phytoplasma diseases and their vectors (**Rosemarie Tedeschi, Barbara Jarausch** & Duska Delic, Phyllis Weintraub)
 - Spread of fruit tree phytoplasma diseases (**Barbara Jarausch** & Nicolas Sauvion, Wolfgang Jarausch)
 - Spread of grapevine phytoplasma diseases (**Xavier Foissac** & Michael Maixner)

10:30 – 11:00 Coffee break

11:00 – 13:00

- Management of phytoplasma diseases through vector control
 - Fruit tree phytoplasma diseases
 - Direct vector control (**Tim Belien**)
 - Innovative vector control (**Astrid Eben** & Jürgen Gross)
 - grapevine phytoplasma diseases
 - Flavescence dorée (**Nicola Mori/Domenico Bosco** & Josep Rahola, N.N.)
 - Bois noir (**Michael Maixner** & Nicola Mori)
- Role of propagation material (**Bojan Duduk** & Nicola Mori)
- Rules and regulations related to phytoplasma-free materials (**Jordi Giné**)

13:00 – 14:30 Lunch

14:30 – 16:00

- Invited presentations of representatives of grower's associations from different European countries
- General discussion

16:00 – 17:30

- Perspectives for the management of phytoplasma diseases through genetic or induced resistance
 - Management of fruit tree and grapevine phytoplasma diseases through genetic resistance (**Wolfgang Jarausch** & Elisa Angelini)
 - What can we learn from the phenomenon of “recovery”? (**Rita Musetti**)
 - What can we expect from resistance inducers? (**Gianfranco Romanazzi**)
 - Perspectives of endophytes as biocontrol agents in the management of phytoplasma diseases (**Piero Bianco**)

17:30 Closing

The venue

The meeting will be held in the Hotel Acevi Villarroel, located in downtown Barcelona, just a few meters of the Barcelona Fair, Plaza España, Rambla de Catalunya and Passeig de Gracia, Well communicated by subway, bus and very close to Sants train station. Barcelona is a cosmopolitan city, which the Mediterranean opens to the rest of the world, establishing a bond with other cultures and producing a history marked by diversity. Magnificent examples of artistic trends throughout the ages can be found here providing a great Romanesque, Gothic and above all Modernista legacy, the latter represented by the work of architectural genius Antoni Gaudí. In recent years Barcelona has established itself as a focus for new trends from around the world.

The diverse geography and climates, combining mountains, hills, forests, planes, river deltas and seashores, give Catalonia privileged natural conditions. Catalonia's agriculture profits from these assets and offers a wide and rich variety of quality products

For further information see: www.bcn.cat

www.acevihotels.com/html/en/villarroel/villarroel.html

Contact

Please use the following e-mail address to register as well as for further inquiries:

registrationcost@irta.es

Registration fees

There will be no registration fees. A small contribution for lunch will be asked for. Attendance to the workshop will only be possible after firm registration.

Registration

Please use the attached form for firm registration. After having registered you will receive full details about the meeting venue and hotel accommodations.

Deadline for registration is 1st March 2013 !

Language

English will be the official language of the workshop.