



**IOBC / WPRS
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PROFILE

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**International Organization for Biological and Integrated Control of
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The Presidents Page

Dear reader,

Genetically modified crops (GMC) were grown in 2007 on over 114 million hectares worldwide (which is about 7-8 % of all agricultural land), and there is a clear trend that the total surface of GMC will continue to increase. After the first commercial planting of insect resistant *Bt* maize in the USA 13 years ago, the total area planted with the two only *Bt* crops, cotton and maize, is now about 35 million hectares. It is a fact that China, India, Brazil and other countries of importance for food and feed production have adopted GMC and it is to be expected that these countries will soon enlarge their GMC production with commercially grown *Bt* rice and *Bt* sugar cane, the two most important crops in the world for staple food and energy production. Europe still struggles with GMC, and it may continue doing so as long as member countries of the EU have opposed positions about risks and benefits, and as long as decisions in many countries are mainly policy driven and not science based. As a scientific society, IOBC should be concerned about the misuse of scientific arguments by politicians and lobbyists for their own purposes.

IOBC's viewpoints towards GM plants have been formulated as early as 1998 by the former IOBC-Global President Jeff Waage (Global Newsletter 67) and they were reaffirmed by Joop van Lenteren in 2005 (Global Newsletter 77). I fully share their views and messages. One of the major issues IOBC should advocate is that GMC need to be treated as components of integrated pest management (IPM) systems, and scientists working in these systems must be involved to make best use of the potential of GM plants. GMC will not be sustainable if they are used as "stand alone solutions" to crop protection problems, and in this context GM technology is no different from chemical pesticides or resistant crop varieties bred with classical technologies. Other areas deserving research is the overall impact of GMC on the natural enemies of pests and possible effects on biological control functions, their effect on changing the pest complex of crops and their overall impact and value in IPM systems. IOBC is in a unique position to assess potential effects and impacts of new GM plants and to investigate useful applications in IPM. IOBC is recognized worldwide as a competent and impartial organization of experts for biological control and IPM, and as such, IOBC can help scattered research initiatives to communicate, to share information, to develop common methods and approaches to form links between researchers in different areas of the world and to strengthen public and private partnership. The WPRS working group "Genetically modified plants in IPM" which is active since 2002 offers an excellent platform to these ends and brings together researchers, regulators and scientists of the private sector.

There is increasing evidence that health and environmental effects of GMC that are commercially grown today are no different from non-GMC. A large body of information coming out recently confirms previous findings that, for example, biological control functions of natural enemies are not adversely affected by *Bt* crops and higher population densities of natural enemies are often found compared to insecticide treated crops. Other benefits that are well documented now, such as less insecticide use in *Bt* crops, less toxic effects on farm workers (especially in developing countries) and higher economic benefits for the farmer using GMC should encourage biocontrol scientists and IPM specialists to have a closer look to future GMC to realise their full potential in biological control, IPM and sustainable agriculture. The widespread application of *Bt* crops in large monocultures is certainly not the way of sustaining the long term use of GM *Bt* plants because of potential resistance build-up of pests and related landscape effects. New GM plants with multiple *Bt* genes inserted may delay such problems but, their beneficial potential can be realised by farmers only if applied in IPM systems. IOBC and public research scientists should keep an impartial, objective and science-driven position to evaluate potential benefits and risks of GM plants and raise their voice against distorted and dogmatic views of lobbyists and policy makers that misuse science to their own profit.

Franz Bigler

IOBC/ WPRS

Commissions, Working groups, Study groups

December, 2008

Commissions	Convenor	Liaison
Publications	BATHON H. / TIRRY L.	–
Determination and identification of entomophagous insects and insect pathogens	BAUR H. / KLEESPIES R.	–
Guidelines for integrated production	AVILLA J.	ALBAJES R.
Harmonized regulation of biological control agents	BALE J.	BIGLER F.

Working groups and Sub Groups (SG)

Integrated protection of fruit crops	IORIATTI C.	SIGSGAARD L.
SG <i>soft fruits</i>	LINDER CHR.	
SG <i>pome fruit arthropods</i>	Escudero-Colomar A.	
SG <i>IFP guidelines</i>	MALAVOLTA C.	
SG <i>pome fruit diseases</i>	STENSVAND A.	
SG <i>stone fruits</i>	MOLINARI F.	
Pesticides and beneficial organisms	JANSEN J.P.	VOGT H.
Breeding for plant resistance to pests and diseases	BIRCH N.	TIRRY L.
Pheromones and other semiochemicals in integrated production	TASIN M.	VOGT H.
Multitrophic interactions in soil	STEINBERG C.	WHIPPS J.
Integrated protection in viticulture	CALONNEC A. / LUCCHI A.	BLUEMEL S.
SG <i>insects</i>	THIÉRY D. / MAIXNER M.	
SG <i>fungus, bacterial and physiological diseases</i>	GESSLER C. / KASSEMAYER H.-H.	
SG <i>integrated pest management</i>	ZAHAVI T. / DUSO C.	
Integrated protection in oilseed crops	KOOPMANN B.	EKBOM B.
SG <i>pathology</i>	KOOPMANN B.	
SG <i>entomology</i>	COOK S.	
Integrated protection of field vegetables	COLLIER R.	VIEIRA M.M.

Integrated control in protected crops, temperate climate	VANNINEN I.	BESRI M.
Integrated control in protected crops, Mediterranean climate	CASTAÑÉ C.	WEINTRAUB P.
Insect pathogens and entomoparasitic nematodes	EHLERS R.	HUBER J.
<i>SG fungi</i>	TKACZUK C.	
<i>SG entomoparasitic nematodes</i>	GLAZER I.	
<i>SG virus</i>	LOPEZ-FERBER M.	
<i>SG soil insect pests</i>	ENKERLI J.	
<i>SG slugs and snails</i>	SYMONDSON W.	
Integrated control of plant pathogens	PERTOT I. / GESSLER C.	NICOT P.
Integrated protection in oak forest	SOUSA E.M.	VILLEMANT C.
<i>SG fungi</i>	FRANCESCHINI A.	
<i>SG forest management</i>	BENJAMAA M.	
Integrated protection of stored products	ATHANASSIOU C.G.	WEINTRAUB P.
Integrated protection of olive crops	KALAITZAKI A.	WEINTRAUB P.
Integrated protection of citrus crops	GARCIA MARI F.	BESRI M.
Induced resistance in plants against insects and diseases	SCHMITT A.	HUBER J.
GMO's in integrated plant production	ROMEIS J.	BIGLER F.
Landscape management for functional biodiversity	HOLLAND J. / GEROWITT B.	EKBOM B.
Integrated control of mite pests	PALEVSKI E.	BLUEMEL S.

Study group

Benefits and risks associated with exotic biological control agents	ROY H.	SIGSGAARD L.
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IOBC/wprs COMMISSIONS AND WORKING GROUPS

„Semio-chemicals without Borders” Joint Conference of the Pheromone Groups of IOBC WPRS and IOBC EPRS Budapest, Hungary, 15 – 20 November 2009

First Announcement

Dear Colleagues,

You are cordially invited to the meeting SEMIO-CHEMICALS WITHOUT BORDERS a joint conference of Working Groups „Pheromones and other semio-chemicals in integrated production” IOBC WPRS and „Selective Control Methods” of IOBC EPRS

Planned Date Span: Sunday 15 to Friday 20 November 2009

Place: Budapest, Hungary

Semio-chemicals act as information-transferring agents of the most ancient type of communication between living organisms. Research on semio-chemicals is conducted extensively worldwide. Overviewing of the recent results and discoveries in this is the aim of the present conference. People interested in semio-chemicals are invited to present their recent research. The conference will take place within the 25-year anniversary of the first joint WPRS-EPRS Pheromone Conference (held at Balatonalmádi, Hungary in 1984). This was one of the reasons why we selected Hungary as the site of the anniversary joint meeting.

This first announcement provides the date and location of the meeting for your planning purposes and a second announcement will follow in January 2009 with additional information. A website is under construction. We look forward to seeing you at the conference. Please forward this message to colleagues potentially interested in the conference topic.

In case you have questions please do not hesitate to contact:

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Dr. Miklós TÓTH local organizer	Dr. Marco TASIN convenor of WG IOBC WPRS	Dr. István EKE president of the IOBC EPRS
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SOFTPEST

a website on the use of pesticides & biocontrol agents in soft fruit

The use of plant protection products and biocontrol agents in soft fruit production has always been an important subject for the IOBC/WPRS Working Group "Integrated Plant Protection in Orchards" Subgroup "Soft Fruits". The usage of pesticides and biological control methods varies considerably between countries and it is very difficult to get a good overview on the range of products that are applied or in development in soft fruits. In order to share and facilitate the flow of information, the Working Group "Soft Fruit" initiated a survey in 2007 on the usage and availability of pesticides and biocontrol agents in the different European countries. First we identified the five most important pests and diseases in strawberry and raspberry production. Then members of the different countries listed available products on the domestic market and indicated their usage in the field. So far 15 countries have contributed to the survey. The received data are accessible on the website

<http://www.any3.ch/IOBC/Softpest/index.html>.

In the near future, the Working group intends to integrate more countries, crops, pests and diseases in the database. However, it should be noted that the website does not intend to replace national pesticides lists. The website should simply facilitate the exchange of information among scientists, advisory services and everybody interested in the availability and use of pesticides and biocontrol agents in soft fruits.

Christian Linder and the WG 'Soft Fruits' members

Christian Linder (Entomologiste)
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Meeting of the IOBC/WPRS Working group “Integrated Protection and Production in Viticulture” – Staufen/Breisgau, Germany, 1 – 4 November, 2009

Dear colleagues,

The next meeting of the IOBC/WPRS Working group “Integrated Protection and Production in Viticulture” will take place from

1st to 4th of November 2009 in Staufen im Breisgau (Germany)

This venue is an idyllic, medieval town, situated ca. 12 km in the South of Freiburg im Breisgau and is easy accessible by train or bus; the next airport is Basel-Mulhouse (50 km) (<http://www.stadt-staufen.de/>). The meeting will be held in the Musikakademie Staufen (Academy of Music), a conference centre with an auditorium and some lecture rooms. A guest house is affiliated, so we have board and lodging for all participants during the meeting.

In the program two and a half days are scheduled for oral presentations and poster sessions. In addition, an excursion into the surrounding viticultural region of the Markgräflerland <http://www.markgraefler-land.com/> and the experimental farm of the State Institute for Viticulture and Oenology, Freiburg, in the Kaiserstuhl is planned.

Contributions

The meeting seeks to assemble colleagues from all the fields of integrated plant protection in viticulture in order to constitute a platform for a stimulating discussion. Therefore, we invite you to present oral and/or poster contributions from all the fields of integrated plant protection in viticulture. The meeting will address the following topics:

- Biological – biotechnological control methods – Host Plant interactions
- Biology and epidemiology of pathogens – Forecast modeling
- Biology and population dynamics of insects and moths and modeling

The contributions will be published in the IOBC/wprs Bulletin.

Registration and abstract submission

The registration fee will be for members 210,-- € / non members 260,-- € including the book of abstract, boarding during the meeting including coffee breaks during the meeting, social gathering and excursion.

Further information and detailed instructions for the registration and submission of oral or poster contributions will be provided in the second announcement, distributed at the begin-ning of 2009.

http://www.iobc-wprs.org/wg_sg/index.html

Sincerely

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Next meeting of the Working Group “Integrated Control in Protected Crops, Mediterranean Climate” Chania, Crete (Greece), 6 – 11 September, 2009

Next meeting of this working group will be organized by our Greek colleagues led by Dr. DIONYSSIOS PERDIKIS from the Agricultural University of Athens. The meeting will be held in the summer of 2009 at the Mediterranean Agronomic Institute of Chania (MAICh). This is one of the most beautiful cities of Greece which is located at the north-eastern part of Crete Island. The meeting will consist of 3 days of presentations and discussions on integrated pest and disease management in greenhouses and one day for visiting the greenhouse industry. The meeting will address the possibilities and challenges that Biological Control has, especially in Mediterranean conditions, and the different strategies to face it will be discussed. The aim of the meeting is to bring together researchers and implementers of IPM (both arthropod pests and plant diseases) in protected crops, and we particularly encourage young scientists to join the working group and to contribute to this meeting with their results. Topics included will be

- Bio-ecology of pests, diseases and natural enemies
- Damage evaluation and assessment
- Pest and disease control strategies
- Epidemiology
- Diagnostic methods
- Trophic relationships
- Monitoring systems
- Biotechnological control methods
- Invasive species
- New challenges – climate change, globalization

I encourage those of you interested in this meeting to visit the web site www.aua.gr/IOBC in which we will keep you informed with all the news.

Convenor

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Local organizer

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4th European Meeting of the IOBC/WPRS Working Group “Integrated Protection of Olive Crops” Córdoba (Spain), June 1 – 4, 2009

The aim of the meeting is to provide a forum for openly discussing on knowledge currently available above pests, diseases and weeds affecting olive groves worldwide. During the last few years, an increasing concern has been repeatedly shown of the needs to develop control strategies for the efficient management of olive pests, diseases and weeds which are convincingly compatible with new forms of agricultural production, including Sustainable and Organic or Ecological Agriculture. Also, challenges are to be faced concerning the impact of the Global Climatic Change on the development of olive pests, diseases and weeds, as well as their management strategies.

Consequently, the main topics of the meeting are:

- Biology, ecology and behavior of arthropods associated to the olive grove
- Population detection and assessment of pests and their natural enemies
- Monitoring systems: attractants and traps
- Olive diseases caused by bacteria, fitoplasma, fungi and straminopiles, nematodes, and viruses: Etiology and Epidemiology
- Spatio-temporal analyses of olive pests and diseases
- Genetic diversity of olive pest and disease agents
- Plant-parasite interactions in olive pests and diseases
- Chemical control: efficacy, selectivity, resistance and side effects
- Biological and biotechnological methods for the control of pests and diseases
- Integrated pest and disease control strategies
- New problems in the integrated management of olive pests, diseases and weeds
- Pest and disease control in ecological olive growing
- New methods for the diagnosis and identification of olive pest and disease agents, and certification of olive planting stocks
- Effect of climatic change on olive pest and disease incidence

This event is intended to provide a stimulating platform for the exchange of multidisciplinary research results dealing with improving olive protection. The meeting will include oral presentations and poster sessions.

Authors wishing to participate at the Congress are requested to submit the preliminary registration form indicating their field of research and a tentative title using the website of congress before December 31, 2008.

For further information see: <http://www.protecolicordoba2009.com>

Convenor

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12th European Meeting of the IOBC/WPRS Working Group "Insect Pathogens and Insect Parasitic Nematodes" and Cost Action 862 "Bacterial Toxins for Insect Control" Pamplona (Spain), 22 – 25 June 2009

You are cordially invited to attend the 12th European Meeting of the IOBC/WPRS Working Group "Insect Pathogens and Insect Parasitic Nematodes" and Cost Action 862 "Bacterial Toxins for Insect Control".

"Future Research and Development in the Use of Microbial Agents and Nematodes for Biological Insect Control"

The meeting will take place in Pamplona, Spain from 22 to 25 June 2009. Local Organizer is PRIMITIVO CABALLERO, Universidad Publica de Navarra, Campus Arrosadia s/n, Pamplona 31006, SP

Given the urgent need for new developments in plant protection, the 12th meeting will particularly gather and discuss information on future trends in the use of insect pathogens and insect parasitic nematodes for biocontrol. One of the objectives will be to produce a paper to be submitted to the Commission of the European Union DG Research for implementation in the forthcoming calls in the FP7 or future programmes. With this aim, the two plenary sessions will present the views of academia and private sector. These will be followed by workshops, which will discuss further trends and produce the official working group position paper. Contributions to the meeting will be accepted as posters or oral contributions. It is the intention to print the IOBC/wprs-Bulletin with the proceedings before the meeting, so that it can be distributed at the beginning of the conference. Therefore, deadline for the submission of the manuscripts is 1th March 2009.

Venue: The conference will take place in the Sario Building at Arrosadia Campus of the Public University of Navarra, situated in the southern part of Pamplona. The Public University of Navarra is only 22 years old and accommodates presently 11.000 students.

The northern-Spanish town of Pamplona sits in the middle of the map of Navarre on a plateau 449 m above sea level located in the pre-Pyrenees mountain belt. It was the historical capital city of the Kingdom of Navarra and the first town in Spain to welcome the pilgrims on their way to Santiago de Compostela. Nowadays, it is a charming tourist destination with its cobblestone streets and 16th century intact city walls. This is the town of the "Running of Bulls", one of the most famous events in Spain.

Further information can be found under: <http://www.iobc-pamplona-2009.com/>

Convenor

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Working Group “GMOs in Integrated Plant Production” Next Meeting in Rostock (Germany), 14 – 16 May, 2009

The next EIGMO (Ecological Impact of Genetically Modified Organisms) meeting will take place from 14-16 May 2009, Rostock, Germany. Detailed information about the meeting is available on the following website

<http://www.eigmo-rostock.de/>

Three key-note speakers have already confirmed their participation in the meeting:

- EMILIO RODRIGUEZ CEREZO (European Commission-Joint Research Centre, Sevilla, Spain) – Agronomic and economic impacts of Bt maize in Spain:evidence from a large survey of commercial farms.
- BEHZAD GHAREYAZIE (Agricultural Biotechnology Research Institute, Karaj, Iran) – Biosafety concerns of the worlds first commercialized Bt rice.
- BRYAN GRIFFITHS (Teagasc, Environment Research Centre, Ireland) – Effects of Bt-maize within a GM-farming system on soil populations and processes: A review of the ECOGEN project.

Please remember the deadlines for abstract submission (February 28, 2009) and for registration (March 15, 2009).

Since I'm the convenor of this WG since its establishment in 2003, the next convenor will be elected by WG participants that are members of IOBC/WPRS (individual members and each member covered by an institutional membership; non-IOBC/WPRS members have no vote) during the forthcoming meeting. Proposals of potential candidates should be sent to me by the end of March 2009. I would, however, be willing to serve as the convenor for a second term.

In case that you have any suggestions regarding the organization or structure of the meeting or any further question please feel free to contact either me or anyone from the organizing committee.

Jörg Romeis
Working Group convenor
Agroscope Reckenholz-Tänikon Research Station ART,
Zürich, Switzerland

Working Group “Multitrophic Interactions in Soil” Next Meeting in Uppsala (Sweden), 10 – 13 June, 2009

The IOBC meeting 'Multitrophic Interactions in Soil' is a multidisciplinary research forum for discussion of new developments in the integrated control of soil-borne diseases, nematodes and insects. Stress is placed on an interdisciplinary approach with scientists from a broad range of disciplines so that a holistic view of the problems facing plant root systems can be discussed. An overall aim is to develop innovative strategies for understanding and managing the biotic components of soil in order to promote soil health and integrated control of soil borne pests and diseases, and to improve sustainability of agricultural practices.

Industrial partners are active at all meetings. The meetings are also a platform for the development of collaborative projects for submission to the EU and other funding agencies.

The 2009 meeting in Uppsala

The 2009 meeting will include experts on fungi, bacteria, protists, nematodes, insects, biological control, soil microbiology, soil microbial and faunal ecology, molecular ecology and molecular biology. Some suggested topics are listed below but we welcome other suggestions:

- Spatial and temporal dynamics and activity of soil-borne organisms
- Scaling-up from soil aggregates to field applications and commercialization
- Management of agricultural practices to suppress diseases
- Climatic changes and multitrophic interactions
- Co-evolution of the plant-the pathogenic agent and the biocontrol agents
- Registration, legal aspects and commercial applications of beneficial organisms
- Biocontrol and plant growth regulation through plant microbe interactions
- The role of microbial toxins and metabolites
- Functional aspects of biodiversity

The 2009 meeting will be held in Uppsala, the scientific and cultural capital of Sweden, with easy international access (17 min by direct train) via Stockholm Arlanda international airport. A full social programme will be organised. Experience the long summer evenings of Scandinavia, visit the house and garden of Linnaeus, see the anatomical theatre of Rudbeck and the original thermometer of Celsius – or enjoy some post-conference sightseeing in the old city and archipelago of Stockholm.

Participants may like to note that the meeting will be followed by the BAGECO 10 conference in Uppsala.

The organizers of the IOBC-2009 meeting ‘Multitrophic Interactions in soil’ are “the MASE Laboratories” and the “Department of Forest Mycology and Pathology, at the Swedish University of Agricultural Sciences” in Uppsala.

International Advisory Scientific Committee:

C. ALABOUVETTE, G. BERG, J. RAAIJMAKERS, R. SIKORA, C. STEINBERG, A. TRONSMO

Local Organizing and Scientific Committee:

CHRIS WELCH, ROGER FINLAY, MARGARETA HÖKEBERG, DAN FUNCK JENSEN,
HANNA FRIBERG, JAMSHID FATEHI

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Visit the web site: <http://www-mykopat.slu.se/IOBC/index.html>

Working Group “Induced Resistance in Plants against Insects and Diseases”

Next Meeting in Granada (Spain), 12 – 16 May 2009

The next meeting of the IOBC/WPRS working group “Induced resistance in plants against insects and diseases” will be held from 12 to 16 May 2009 in Granada. The meeting will cover all aspects of induced resistance and induced tolerance. However, special emphasis will be placed on chances and limits of induced resistance/induced tolerance, resulting in the following sessions:

- Chances and limits in multitrophic interactions
- Chances and limits of model systems
- Chances and limits in crop protection

Each of the three sessions will be opened by invited speakers, followed by oral and poster contributions from the participants. The meeting is open to presentations of work on fundamental and applied aspects, dealing with insects, diseases and stresses. We aim to attract, like in former years, young and senior scientists of different fields, as well as companies, and we will provide a platform to exchange experience and views, and to interact with each other.

Important deadlines are:

Early registration: **28 February 2009**

Submission of abstracts: **13 March 2009**

Submission of 4-page manuscripts: ... **16 May 2009**

Further information can be found under: <http://www.fvccee.uji.es/>

On behalf of the steering committee and the local organisers

Annegret Schmitt (convenor),
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Working Group “Integrated Protection of Stored Products”

Next Meeting: Campobasso (Italy), 29 June – 2 July, 2009

Our next WG meeting will take place in University of Molise, Campobasso, Italy, June 29 - July 2, 2009. For further details, the first circular is at <http://www.iobc-wprs.org/events/index.html>

The topics of the IOBC/WPRS Working Group on "Integrated Protection of Stored Products" are:

- biology of stored product pests
- methods of pest prevention during storage, transportation and handling
- pheromones, traps and other methods to detect stored product pests
- all aspects of biological control
- prevention of microflora infection and development of mycotoxins

- physical, chemical and other techniques for stored product pest control
- futurology: overviews and future trends on all aspects of storage pest control
- wood-boring, urban, quarantine and museum pests

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Working Group “Integrated Protection of Olive Crops” 4th European Meeting: Córdoba (Spain), 1 – 4 June, 2009

The aim of the meeting is to provide a forum for openly discussing on knowledge currently available above pests, diseases and weeds affecting olive groves worldwide. During the last few years, an increasing concern has been repeatedly shown of the needs to develop control strategies for the efficient management of olive pests, diseases and weeds which are convincingly compatible with new forms of agricultural production, including Sustainable and Organic or Ecological Agriculture. Also, challenges are to be faced concerning the impact of the Global Climatic Change on the development of olive pests, diseases and weeds, as well as their management strategies.

Consequently, the main topics of the meeting are:

- Biology, ecology and behavior of arthropods associated to the olive grove
- Population detection and assessment of pests and their natural enemies
- Monitoring systems: attractants and traps
- Olive diseases caused by bacteria, fitoplasma, fungi and straminopiles, nematodes, and viruses: Etiology and Epidemiology
- Spatio-temporal analyses of olive pests and diseases
- Genetic diversity of olive pest and disease agents
- Plant-parasite interactions in olive pests and diseases
- Chemical control: efficacy, selectivity, resistance and side effects
- Biological and biotechnological methods for the control of pests and diseases
- Integrated pest and disease control strategies
- New problems in the integrated management of olive pests, diseases and weeds
- Pest and disease control in ecological olive growing
- New methods for the diagnosis and identification of olive pest and disease agents, and certification of olive planting stocks
- Effect of climatic change on olive pest and disease incidence

Further informations and registration:

<http://www.protecolicordoba2009.com>

Minutes (short version) of the IOBC/WPRS Executive Committee Meeting, Zürich, June 12-14, 2008

Present: R. Albajes (RA), F. Bigler (FB), S. Blümel (SB), P. Nicot (PN), H. Vogt (HV)

Budget

Presentation of 2007 income and expenses by R. Albajes

The balance is negative, as anticipated in the provisional budget. This situation results in part from the fact that costs initially planned for 2006 (in particular for printing and shipping 2006 bulletins) were incurred in early 2007. Another reason is the continued erosion of income from Institutional members. To compensate, the efforts to lower costs and increase income (eg by attracting new members) will need to be amplified. Ideas will be discussed by the Executive Committee during the next meeting in January 2009. A possible target for cost reduction is those related to printing and shipping the Bulletins, as they account for a large portion of total IOBC-wprs costs.

Electronic payment of membership and book orders: almost there

After running into complications that could not be solved with a first bank, RA and FB have been in contact with a specialised Service Centre in Zürich to set up this service for IOBC members.

Status of membership

The status of membership is reviewed. Decisions are taken to remove members from the list (and discontinue benefits) according to the rules of the Statutes/Byelaws, when membership dues remain unpaid. Ideas for stimulating membership are discussed.

Publications: *Bulletins*

In November 2007, the Council had decided to initiate the electronic publication of the Bulletins and to prepare new offers for members, to be discussed by General Assembly in 2009. One offer would be a choice for members between paper versions and CD versions of the Bulletins. Another would be online access on the web site in a password-protected "restricted area".

The technical aspects for the implementation of these decisions are discussed, based on price estimates provided by L. Tirry for the production of CDs. Concerning online access on the web site, a trial run will be conducted with several of the Bulletins and feed back will be sought from the Convenors.

IOBC-wprs web site:

The report from the webmaster and her various suggestions for improvement of the web site are discussed and approved. Further action is planned to increase the attractiveness and visibility of several pages, to stimulate Convenors for updating the information that concerns their Working/Study Group or Commission. Decisions are taken on the information to be posted in the restricted areas for Members (Bulletins in the future), Convenors (eg minutes of Convenors and Council meetings) and Council (minutes of Council and Exec meetings).

Preparation for the 2009 General Assembly

Venue in Morocco

Initially planned preferably for Agadir during the Nov 2007 Council meeting, the specific

location of the General Assembly is re-examined, due to possibly high costs and long travel times to this city from various locations in Europe, in comparison to other destinations in Morocco. Specific price information will be gathered and options (eg formerly envisioned Rabat) will be further discussed with Prof Besri.

Provisional program

A provisional program is designed to include 2 days combining reports from Convenors and "business issues" (reports from Exec Committee and Audit Commission, elections and consultation of the General Assembly) preceded by a meetings of the Convenors and of the "old" Executive committee, and followed by a meeting of the "old" and the "new" Council and a joint Convenor-Council meeting.

Prepare consultation of the General Assembly

Possible issues to be proposed for a vote of the General Assembly are discussed (eg changes in statutes / byelaws). This topic will be further prepared during the next Executive meeting in January 2009.

Prepare elections for new Council of the General Assembly

As several Council members will not postulate for new mandates, new candidacies need to be encouraged. Candidates for the key position of Treasurer in the Executive Committee will also need to be found. Several possible ways are discussed and will be pursued (including consulting various colleagues, posting information on the web site and in Profile).

The election procedure is reviewed and various possible versions of the ballots are examined. One version is selected because it corresponds best to the request of the last General Assembly concerning the organisation of elections, and should prevent the types of problems encountered in the past.

Working / Study Groups and Commissions

Publication Commission: Replacement of Convenor after September 2009

Horst Bathon (HB) will stop his activity as Convenor of the Publication Commission after the next General Assembly. Efforts to find a successor since November 2007 have not been successful. Other options are discussed. One possibility would be the creation of an editorial board with at least 4 members to lighten the burden on each person, and to enlist the help of Convenors and the Liaison officers. To facilitate the search for members of this board, the help of H. Bathon will be sought to write a short but specific description of the tasks.

Review of activities of WG, SG, Commissions

Various issues are covered.

One important point concerns the future of WG "Breeding for plant resistance". The search for a new Convenor has remained unsuccessful despite the efforts of the current Convenor and various actions carried out to assist him. Options are discussed. A decision will need to be taken during the next Executive meeting of January 2009, to submit a proposition to the Council.

Collaboration of Commission "Harmonized regulation of biological control agents" with EPPO. The program of collaborative work has been activated. Several meetings have taken place.

Minutes by Philippe Nicot, Secretary-General of IOBC/WPRS

IOBC/Global: New Executive Committee 2008 – 2012

The following people were elected for the various functions of the IOBC Global Executive Committee:

President	Prof. Dr. Jacques Brodeur (Canada)
Vice-President	Dr. Barbara I.P. Barratt (New Zealand)
Vice-President	Prof. Dr. Jose Roberto P. Parra (Brazil)
Secretary General	Prof. Dr. Joop C. van Lenteren (The Netherlands)
Treasurer	Dr. Alberto Urbaneja (Spain)



Prof. Dr. Jacques
Brodeur



Dr. Barbara I.P.
Barratt



Prof. Dr. Jose
Roberto P. Parra



Prof. Dr. Joop C.
van Lenteren



Dr. Alberto
Urbaneja

More information see: <http://www.unipa.it/iobc/download/newsletter84.pdf>

World-wide database of insect cultures available for distribution

The Canadian Forest Service, Natural Resources Canada, is sponsoring the establishment of a comprehensive world-wide listing of producers who are willing to sell or donate live insects. **We are currently soliciting the enrolment of insect producers.** This database is intended to provide those in need with a current source for accessing live insect cultures and to give producers the opportunity to expand their client base. Our database is in the early stages of development, but will become more useful as additional insect producers decide to participate and have their cultures listed. We hereby solicit your enrolment and encourage you to make your colleagues and peers aware of the database:

<http://www.insect.glfsc.cfs.nrcan.gc.ca>

Contact: Peter Ebling, e-mail: pebling@nrcan.gc.ca

(IOBC Newsletter 84 – October 2008)

General Assembly of IOBC-wprs September 30th to October 3rd 2009 in Agadir (Morocco)

We kindly invite you to the next General Assembly of IOBC-wprs, which will convene from September 30th to October 3rd 2009 in Morocco. It will be hosted by our colleague Prof. Dr. M. BESRI. **Elections will be held for a new Council and a new Executive Committee.** The persons interested in serving IOBC-wprs as member of the Council or Executive Committee are kindly invited to contact the General Secretary (philippe.nicot@avignon.inra.fr) or other members of the Executive Committee. A description of the role of Council and the Executive Committee, and the rules and Guidelines governing the organisation of the elections can be found in the Statutes and Byelaws of IOBC-wprs (which can be downloaded from the website: <http://www.iobc-wprs.org/events/index.html>).

New IOBC/wprs Publications

New IOBC/wprs Bulletins

The Publication Commission of the IOBC/wprs has issued the following Bulletins in 2008 [For Bull. 32 – 37, 2008 see *Profile* 45: 24-35 or visit the IOBC/wprs website]:

IOBC/wprs Bulletin Vol. 30 (8), 2007

Working Group "Integrated Protection in Field Vegetable Crops". Proceedings of the meeting at Ljubljana (Slovenia), October 3-7, 2005. Edited by: Rosemary Collier. ISBN 92-9067-203-8 [vi + 159 pp.].

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Starting in 2008 the IOBC/wprs Bulletins only have a running volume number starting with vol. 31. Issue numbers within a year will not be any longer added to the volume numbers.

IOBC/wprs Bulletin, Vol. 34, 2008:

Working Group "Landscape management for functional biodiversity", Preceedings of the meeting at Bordeaux (France), 14 - 17 May, 2008. Edited by: Walter Rossing. ISBN 978-92-9067-208-1 [vii + 136 pp.].

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Bulletins 31, 33, 34, and 35 will be shipped in the next few days. Bulletins 36 – 40 have been printed, but will be collected, glued and covered in January 2009.

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Other interesting publications brought to attention of Profile

- Alford, D.V. (2007): Pests of Fruit Crops. A Color Handbook. – 461 pp., 1113 color photographs, Academic Press, US\$ 148.00, ISBN: 978-0-12-373676-5.
- Bourtzis, K. & Th.A. Miller (eds., 2008): Insect Symbiosis. Vol. 3. – 384 pp., CRC Press (Boca Raton), £ 62.99, US\$ 119.95, ISBN: 978-1-4200-6410-0.
- Bowsher, C., Steer, M. & Tobin, A. (2008): Plant Biochemistry. – 446 pp., Garland Science, £ 41.99, ISBN: 978-0-8153-4121-5.
- Eilenberg, J. & H.M.T. Hokkanen (eds.) (2007): An Ecological and Societal Approach to Biological Control. – xii + 322 pp., Springer (Series: Progress in Biological Control, Vol. 2), Hardcover € 112.30, ISBN: 978-1-4020-4320-8.
- Gould, J., K. Hoelmer & J. Goolsby (eds.) (2008): Classical Biological Control of *Bemisia tabaci* in the United States - A Review of Interagency Research and Implementation. – xviii + 343 pp., Springer (Series: Progress in Biological Control, Vol. 4), Hardcover € 128.35, ISBN: 978-1-4020-6739-6.

- Hajek, A.E., T.R. Clare & M. O'Callaghan (eds.) (2009): Use of Microbes for Control and Eradication of Invasive Arthropods. xvi + 368 pp., Springer (Series: Progress in Biological Control, Vol. 6), € 128.35, ISBN: 978-1-4020-8559-8.
- Nation, J.L. (2008): Insect Physiology and Biochemistry, 2nd. ed. – 560 pp., CRC Press (Boca Raton), £ 39.99, US\$ 79.95, ISBN: 978-1-4200-6177-2.
- Robertson, J.L., R.M. Russell, H.K. Preisler & N.E. Savin (2007): Bioassays with Arthropods, 2nd ed. – 224 pp., CRC Press (Boca Raton), £ 48.99, US\$ 89.95, ISBN: 978-0-8493-2331-7.
- Romeis, J.; A.M. Shelton, & G. Kennedy (eds.) (2008): Integration of Insect-Resistant Genetically Modified Crops within IPM Programs. – xviii + 446 pp., Springer (Series: Progress in Biological Control, Vol. 5), Hardcover € 85.55, ISBN: 978-1-4020-8372-3.
- Walters, D., Newton, A. & Lyon, G. (eds.) (2007): Induced Resistance for Plant Defence. A Sustainable Approach to Crop Protection. – 272 pp., John Wiley & Sons, Hardcover, € 145.00, ISBN: 978-1-4051-3447-7.

Additional information in

IOBC-Global Newsletter 84 – October 2008

<http://www.unipa.it/iobc/download/newsletter84.pdf>

Sting 32 – September 2008

Newsletter on biological control in greenhouses
of the IOBC/WPRS WG “Integrated control in Protected Crops, Temperate Climate“

<http://web.agrsci.dk/plb/iobc/sting/sting32.pdf>

Time-Table of forthcoming events

For the Meetings of the IOBC/wprs Working Groups see also the IOBC/wprs homepage:
<http://www.iobc-wprs.org>

8 - 13 February, 2009: 3rd International Symposium on Biological Control of Arthropods, Christchurch (New Zealand). – Sara Russell, Professional Development Group, PO Box 84, Lincoln University, Canterbury, New Zealand, e-mail: russels4@lincoln.ac.nz, <http://www.isbca09.com/>

9 - 12 March, 2009: IOBC/wprs Working Group “Integrated Control of Plant-feeding Mites”, Centro per l'Agrobiologia e la Pedologia, Experimental Institute for Agricultural Zoology (ISZA), Firenze (Italy). – Local Organizer: Sauro Simoni, ISZA, Firenze, Italy. sauro.simoni@isza.it, <http://www.isza.it/IOBCflorence2009/>, WG Convener: Eric Palevsky, Dept. of Entomology, Agricultural Research Organization (ARO), Israel, e-mail: palevsky@volcani.agri.gov.il

26 - 30 April, 2009: 5th International Conference on Biopesticides: Stakeholders' Perspective, New Delhi (India). – 5th International Conference on Biopesticides, The Energy and Resources Institute, Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi–110 003 (INDIA), Tel. +91-11-2468-2100 or 4150-4900, Fax +91 11-2468-2144 or 2468-2145, e-mail: icob5.biopest@nic.in, <http://www.icob5.nic.in>

- 12 - 16 May, 2009: IOBC/wprs Working Group “Induced Resistance in Plants against Insects and Diseases”, Granada (Spain). – Annegret Schmitt (convenor), JKI Darmstadt, Germany, e-mail: annegret.schmitt@jki.bund.de, <http://www.fvccee.uji.es/>
- 14 - 16 May, 2009: IOBC/wprs Working Group “GMOs in Integrated Plant Production” 4th EIGMO (Ecological Impact of Genetically Modified Organisms) Meeting. Rostock (Germany). – Jörg Romeis, Agroscope Reckenholz-Tänikon Research Station ART, Zurich, Switzerland; joerg.romeis@art.admin.ch, <http://www.eigmo-rostock.de/>
- 19 May, 2009: 61st International Symposium on Crop Protection, Gent (Belgium). – Pieter Spanoghe, Faculty of Bioscience Engineering, Ghent University, Coupure Links 653, 9000 Gent (BELGIUM), Tel +32 9-2646009, Fax +32 9-2646249, e-mail: iscp@ugent.be, <http://www.iscp.ugent.be>
- 1 - 4 June, 2009: IOBC/wprs Working Group “Integrated Protection of Olive Crops”, Córdoba (Spain). – Dr. E. Quesada-Moraga, Department of Agricultural and Forestry Sciences, ETSIAM, University of Cordoba, Campus de Rabanales. Building C4, “Celestino Mutis”, Cordoba 14071 (SPAIN), e-mail: cr2qumoe@uco.es, <http://www.protecolicordoba2009.com>
- 10 - 13 June, 2009: IOBC/wprs Working Group "Multitrophic Interactions in Soil", Uppsala (Sweden). – Christopher Welch, Tel ++46/709 322696, e-mail: christopher.welch@maselab.se, <http://www-mykopat.slu.se/IOBC/index.html>
- 22 - 25 June, 2009: *Future Research and Development in the Use of Microbial Agents and Nematodes for Biological Insect Control*. IOBC/wprs Working Group “Insect Pathogens and Insect Parasitic Nematodes” and COST Action 862 “Bacterial Toxins for Insect Control”, Pamplona (Spain). – Local organizer: Primitivo Caballero, Universidad Pública de Navarra, Producción Vegetal, 31006 Pamplona (Navarra) (SPAIN), Tel ++34 948-16-9129, e-mail: pcm92@unavarra.es, <http://www.iobc-pamplona-2009.com/>
- 29 June - 2 July, 2009: IOBC/wprs Working Group “Integrated Protection of Stored Products”, Molise, Campobasso (Italy). – Christos Athanassiou, Laboratory of Agricultural Zoology and Entomology, Agricultural University of Athens, Greece, 75 Iera Odos, 11855 Athens Greece, e-mail: ceaz2atx@noc.aua.gr, <http://www.iobc-wprs.org/events/index.html>
- 7 - 9 September 2009: *Harmonia axyridis and other invasive ladybirds*. IOBC/wprs Study Group “Benefits and risks of biological control”, Engelberg (Switzerland). – Marc Kenis, Delémont (Switzerland), CABI Europe-Switzerland, 1, Rue des Grillons, 2800 Delémont (Switzerland), Tel +41-32-4214884, Fax: +41-32-4214871, m.kenis@cabi.org
- 6 - 11 September 2009: Working Group “Integrated Control in Protected Crops, Mediterranean Climate”, Chania, Crete (Greece). – Dr. Cristina Castañé, e-mail: Cristina.Castane@irta.es and/or Dr. Dionyssios Perdakis, e-mail: dperdikis@aua.gr <http://www.aua.gr/IOBC>

30 September – 3 October, 2009: General Assembly of IOBC/wprs in Agadir, Morocco. See also: <http://www.iobc-wprs.org/events/index.html>

15 - 20 November 2009: Joint Meeting of the WPRS Working Group “Pheromones and other semiochemicals in integrated production” and EPRS Working Group “Selective Control Methods”, Budapest (Hungary). – Miklós Tóth (Plant Protection Institute, HAS, POB 102, Budapest, 1525 Hungary, Tel +36-1-3918639, Fax: +36-1-3918655, e-mail: h2371tot@ella.hu. – Marco Tasin (FEM-IASMA Research Center, 38010 San Michele a/A, Italy, Tel +39-0461-615509, Fax: +39-0461-615500, e-mail: marco.tasin@iasma.it)

7 - 9 October, 2009: IOBC/wprs Working Group “Pesticides and Beneficial Organisms”, Dubrovnik (CROATIA). – Local Organizer: Dr. BOŽENA BARIĆ, Department for Agricultural Zoology, Faculty of Agriculture, Zagreb. – Dr.Ir. J.-P. Jansen (Convenor), CRA-W, Departement Lutte biologique et Ressources phytogénétiques, Laboratoire d'Ecotoxicologie, 2, Chemin de Liroux, 5030 Gembloux, (Belgique), Tel + 32 (0)81 625 683, e-mail: labecotox@cra.wallonie.be

October, 2009: 4th Meeting of the IOBC/wprs Working Group “Integrated Protection of Olive Crops”, Cordoba (SPAIN). – Dr. E. Quesada-Moraga, Department of Agricultural and Forestry Sciences, ETSIAM, University of Cordoba. Campus de Rabanales. Building C4 “Celestino Mutis”, Cordoba 14071 (Spain), e-mail: cr2qumoe@uco.es

1 - 4 November, 2009: Meeting of the IOBC/wprs Working Group “Integrated Protection and Production in Viticulture”, Staufen/Breisgau (Germany). – Hanns-Heinz Kassemeyer, Agnès Calonnec, http://www.iobc-wprs.org/wg_sg/index.html

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20 - 23 September, 2010: 7th Meeting of the IOBC/wprs Working Group "Integrated Protection of Fruit Crops", Study Group "Soft Fruits". "Workshop on Integrated Soft Fruit Production", Budapest (Hungary). – Claudio Ioriatti, e-mail: claudio.ioriatti@iasma.it, Christian Linder, e-mail: christian.linder@acw.admin.ch
Local organizer: Gábor Véték, e-mail: gabor.vetek@uni-corvinus.hu

1st meeting of the new IOBC/WPRS Study Group “Benefits and risks associated with exotic biological control agents” – *Harmonia axyridis* and other invasive ladybirds –

Date: September 6-9, 2009. (Arrival and registration on 6th September 2009, Conference 7-9 September)

Place: Hotel Europe, Engelberg, Switzerland (a beautiful village in the middle of the Swiss Alps)

Harmonia axyridis, the harlequin ladybird or multicoloured Asian ladybeetle, is a coccinellid of Asian origin used for biological control purposes worldwide. In recent years, it has become invasive in many parts of the world, including North and South America, Europe and South Africa. Significant negative effects of the establishment of *H. axyridis* have been reported. Due to its predatory and competitive abilities, *H. axyridis* may have strong negative effects on biodiversity, impacting on many non-target species, including native ladybirds and other aphidophagous insects. Moreover, *H. axyridis* has been reported to damage fruit crops in late summer and to taint wine when harvested and crushed with grapes. It may also affect humans directly when it seeks overwintering

sites in buildings. At the same time, *H. axyridis* has become an exciting and very convenient model species for invasion ecologists.

This conference will offer an opportunity for research scientists, invasion ecologists, biological control specialists and interested colleagues to meet and discuss the invasion of *H. axyridis* and other invasive ladybirds worldwide. Discussion topics will include: risk assessment in biological control, invasion ecology, spread, genetics of invasion, management of ladybirds, ecological impact on native fauna, agricultural impact, association with symbionts, tri-trophic interactions, etc. Invited keynote speakers (to be announced) will provide unique background information related to the invasion of *H. axyridis* (and other ladybirds worldwide) as well as information on the ecology of *H. axyridis* in its area of origin. The conference will also offer a unique platform for developing multilateral collaboration activities and concerted research strategies.

This brief note intends to provide you with the date and the place of the meeting for your long-term planning purposes. More detailed information (including registration information, how to reach Engelberg and materials concerning the submission of talks and posters) will follow in the coming weeks on the conference website, which will be available on:

www.iobc-harmonia-meeting.com

We look forward to a stimulating conference and hope that you will manage to participate. If you are interested in attending this symposium please respond as soon as possible to: info@iobc-harmonia-meeting.com and provide your name, institute affiliation and address. This will help us with planning the conference and providing you with updates. Please forward this message to colleagues potentially interested in the conference topic.

Marc Kenis and Dirk Babendreier
CABI Europe-Switzerland, Delémont, Switzerland

Alexandre Aebi
Agroscope Reckenholz-Tänikon, Zurich, Switzerland

Helen Roy
Biological Records Centre, CEH Wallingford, UK

Beneficials available in Germany

An actual compilation of 81 beneficials (nematodes and arthropods) for biocontrol in Germany is presented on the website of JKI (Julius Kühn-Institute, Federal Research Centre for Cultivated Plants):

http://www.jki.bund.de/cln_045/nn_807134/DE/Home/pflanzen_schuetzen/biologisch_alternativ/nuetzl_anbiet/nuetzl_anbiet_node.html_nnn=true

The two lists contain informations on the scientific names, the pest species against which the beneficials are active and the addresses (including e-mail and web addresses) of producers and/or distributors in Germany. Also included in the list are parasitoids of stable flies.

Next Issue of Profile

The summer-issue of Profile (number 47) will be edited in July 2009. Please send your contributions (reports from meetings and announcements for meetings, interesting scientific results, new books and others) for this issue of Profile to me at the latest:

15 June, 2009

but don't hesitate to contact me long before this deadline! Please send Announcements of Meetings as early as possible to the editor of Profile **and** to our Webmaster, MADELEINE BÜHLER (madeleine.buehler@e-maintenance.ch). Please send your contributions for Profile by e-mail (preferably), on CD or as fax to:

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