



**IOBC / WPRS  
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# PROFILE

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IOBC/wprs Council and Executive Committee**

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**International Organization for Biological and Integrated Control of  
Noxious Animals and Plants – West Palearctic Regional Section**

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## The Presidents Page

A 50 years anniversary is always a good reason for celebrating, to esteem and enjoy the achievements by looking backwards, and to reflect the future. This has been done by IOBC/WPRS last year during the General Assembly (GA) which took place from 17 to 21 September in Dijon, France. To summarise my personal feelings in a word: it was a great event and worth to be there! On behalf of the members who participated in the Dijon GA, I would like to thank the local organiser, Claude Alabouvette, and the whole former Executive Committee which signed responsible for the attractive and well balanced programme. Those members who were not able to attend will have the opportunity to read the details in the IOBC/WPRS Bulletin that should be released in the next few months.

The first full day was devoted to the activity and programme reports of all WPRS Commissions and Working Groups. When I listened to the Convenor's presentations I was impressed by all the activities going on, and I become aware once more how much knowledge IOBC is producing and implementing in the geographic area the WPRS. I appreciated again all the achievements of the Commissions and Working Groups over the last four years, which is not self-evident, given that we all are very busy in our jobs and have to fight every day for our positions and for those of our young scientists that should carry-on IOBC to the future. Because Convenors and active members are the back-bone of our Association and widely responsible for IOBC's success or failure, they deserve a grand merci!

An interesting landmark of the GA was the historical review of IOBC compiled and presented by Ernst Boller. It is the first time that important historical events of the 50 years of IOBC have been summarised, and so many fascinating details on world-famous IPM and Biocontrol people and on their role in IOBC have been presented. It is worth to read this review, indeed! You can read a short version on our website. An amended and full WPRS history together with historical reviews of IOBC Global and of all other Regional Sections will be published by IOBC Global in the second half of this year. I look forward to it!

The GA is the moment of elections and hand-overs of duties and responsibilities to "new crews". The results from the ballot that preceded the GA were presented and the new Executive Committee and Council took over the "steering-wheel" for the next four years. The former Executive Committee and Council was gearing the WPRS for eight years. This is a long time with a lot of efforts and time devoted to our Association. On behalf of all IOBC/WPRS members and the new Council I thank you all for your enormous engagement and work done! One striking observation between the old and new crew is the high number of women in the new Council. For the first time of WPRS there are two women out of six members in the Executive Committee and seven women out of 15 members including the deputy members in the Council. I consider this as a very positive fact and I am glad that WPRS is now partly "in women's hands". The new crew will do its best to prepare good grounds for the next 50 years.

Franz Bigler

# IOBC/ WPRS

## Commissions, Working groups, Study groups

January, 2006

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	CROSS J.	SIGSGAARD L.
<i>SG soft fruits</i>	LINDER CHR.	
<i>SG pome fruit arthropods</i>	IORIATTI C.	
<i>SG IFP guidelines</i>	MALAVOLTA C.	
<i>SG pome fruit diseases</i>	ROSSI V.	
<i>SG stone fruits</i>	MOLINARI F.	
Pesticides and beneficial organisms	VOGT H.	BIGLER F.
Breeding for plant resistance to pests and diseases	BIRCH N.	TIRRY L.
Pheromones and other semiochemicals in integrated production	WITZGALL P.	VOGT. H.
Multitrophic interactions in soil	STEINBERG C.	WHIPPS J.
Integrated protection in viticulture	LOZZIA C.	BLUEMEL S.
<i>SG grape berry moths and chewing insects</i>	THIERY D.	
<i>SG mites and sucking insects</i>	MAIXNER M.	
<i>SG fungal and bacterial diseases</i>	CLERJEAU M.	
<i>SG physiological diseases</i>	CLERJEAU M.	
<i>SG side effects of pesticides</i>	SCHIRRA K.J.	
<i>SG practical implementation of integrated control</i>	SENTENAC G.	
<i>SG soil management and weed control</i>	CHANTELOT E.	

Integrated protection in oilseed crops	KOOPMANN B.	EKBOM B.
<i>SG pathology</i>	KOOPMANN B.	
<i>SG entomology</i>	COOK S.	
Integrated protection of field vegetables	COLLIER R.	VIEIRA M.M.
Integrated control in protected crops, temperate climate	ENKEGAARD A.	BESRI M.
Integrated control in protected crops, Mediterranean climate	CASTANE 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	ELAD Y.	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	NAVARRO S.	WEINTRAUB P.
Integrated protection of olive crops	KALAITZAKI A.	MALATHRAKIS N.
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	POEHLING M. / ROSSING W.	EKBOM B.

### Study group

Integrated control of mite pests	WEINTRAUB P.	BLUEMEL S.
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## IOBC/wprs Officers and their Addresses

All Officers are asked to send corrections and additions to this compilation of addresses to the editor of *Profile* and to the treasurer.

### 1 – Executive Committee

*Bigler*, Dr. Franz (President), Agroscope FAL Reckenholz, Swiss Federal Research Station for Agroecology and Agriculture, Reckenholzstrasse 191, CH-8046 Zürich (SWITZERLAND), Tel +41-44-3777111, Fax +41-44-3777201, e-mail: franz.bigler@fal.admin.ch, URL: www.reckenholz.ch

*Blümel*, Dr. Sylvia (Vice-President), Austrian Agency for Health and Food Safety (AGES), Spargelfeldstrasse 191, P.O.Box 400, A-1126 Wien (AUSTRIA), Tel +43-50555-33300, Fax +43-50555-33303, e-mail: sylvia.bluemel@ages.at

*Tirry*, Prof. Dr. Luc (Vice-President), Ghent University, Laboratory of Agrozoology, Department of Crop Protection, Coupure Links 653, B-9000 Gent (BELGIUM), Tel +32-9-2646152, Fax +32-9-2646239, e-mail: luc.tirry@ugent.be

*Vogt*, Dr. Heidrun (Vice-President), Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Plant Protection in Fruit Crops, Schwabenheimer Strasse 101, D-69221 Dossenheim (GERMANY), Tel +49-6221-8680530, Fax +49-6221-8680515, e-mail: h.vogt@bba.de

*Nicot*, Dr. Philippe C., INRA, Unité de Pathologie Végétale, Domaine St. Maurice, B.P. 94, F-84143 Montfavet Cedex (FRANCE), Tel +33-432722841, Fax +33-432722842, e-mail: nicot@avignon.inra.fr

*Albajes*, Prof. Dr. Ramon (Treasurer), Universitat de Lleida, Centre UdL-IRTA, Rovira Roure, 177, E-25006 Lleida (SPAIN), Tel +34-973-702571 Fax +34-973-238301, e-mail: ramon.albajes@irta.es

### 2 – Council

*Besri*, Prof. Dr. Mohamed, Institut Agronomique et Vétérinaire Hassan II, Département de Phytopathologie, BP 6202, Rabat-Instituts (Marocco), Tel: +212-3777-8364, Fax: +212-3777-8364, e-mail: m.besri@iav.ac.ma

*Ekbom*, Prof. Barbara, Swedish University of Agricultural Sciences, Department of Entomology, P.O.Box 7044, SE-750 07 Uppsala (SWEDEN), Tel +46-1867-2625, Fax +46-1867-2890, e-mail: barbara.ekbom@entom.slu.se

*Huber*, Dr. Jürg, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Biological Control, Heinrichstrasse 243, D-64287 Darmstadt (GERMANY), Tel +49-6151-407220, Fax +49-6151-407290, e-mail: j.huber@bba.de

*Sigsgaard*, Dr. Lene, Royal veterinary and Agricultural University, Department of Ecology - Zoological Group, Thorvaldsensvej 40, DK-1871 Frederiksberg C (DENMARK), Tel +45-35282674, Fax +45-35282670, e-mail: les@kvl.dk

*Weintraub*, Dr. Phyllis G., Gilat Research Station, Entomology Unit, D.G. Negev 85280 (ISRAEL), Tel +972-8-9928678, Fax +972-8-9926485, e-mail: phyllisw@volcani.agri.gov.il

*Whipps*, Prof. Dr. John, Warwick HRI, University of warwick, Wellesbourne, Warwick CV35 9EF (UK), Tel +44-24-76575084, Fax +44-24-76574500, e-mail: john.whipps@warwick.ac.uk

## Deputy Members

*Malathrakis*, Dr. Nikolaos, Technological Education Institute, Staouromenos, G-71500 Heraklio (Crete, GREECE), Tel: +30-81-379459, Fax +30-81-411714, e-mail: nmal@steg.teiher.gr

*Vieira*, Dr. Maria Margarida, Direcção-Geral de Protecção das Culturas, Quinta do Marquês, P-2780-155 Oeiras (PORTUGAL), Tel: +351-21-4464000, Fax: +351-21-4420616, e-mail: margaridav@dgpc.min-agricultura.pt

*Villemant*, Dr. Claire, Museum National d'Histoire Naturelle, Laboratoire d'Entomologie, 45, rue Buffon, F-75005 Paris (FRANCE), Tel +33-1-40793841, Fax +33-1-40793699, e-mail: villeman@mnhn.fr

## 3 – Auditing Committee

*Freuler*, Dr. Jost A., Station Fédérale de Recherche en, Production végétale de Changins, Route de Duillier, Case postale 254, CH-1260 Nyon, Switzerland, Tel: +41-22-3634383, Fax: +41-22-3634394, e-mail: jost.freuler@bluewin.ch

*Lavadinho*, Dr. Antonio Manuel Pereira, Direcção-Geral de Protecção das Culturas, Quinta do Marquês, P-2780 - 155 Oeiras, Portugal, Tel: 351-214464058, Fax: 351-214420616, e-mail: dgpc@mail.telepac.pt

*Rezapanah*, Dr. Mohammadreza, Biocontrol Control Research Dept, Plant Pests and Diseases Research Institute (PPDRI), Agricultural Research and Education Organization (AREO), P.O. Box: 19395-1454, Velenjak, Tehran, Iran, Tel: +98-21-2420224 / +98-21-2420225, Fax: +98-21-2403691, e-mail: rezapana@yahoo.com, <http://www.areo.or.ir>

*Royle*, Dr. David J., East End Stable, Nowhere Lane, Nailsea, Bristol BS48 2PT, UK, Tel: +44-12-75857197

*Adler*, Dr. Cornel, BBA, Institute for Stored Product Protection, Königin-Luise-Strasse 19, D-14195 Berlin, Germany, Tel: +49-30-83042503, Fax: +49-30-83042502, e-mail: adler@bba.de, <http://www.bba.de>

## 4 – Convenors

### of the Commissions, Working Groups (their Sub Groups), and Study Groups

*Avilla*, Dr. Jesús, University of Lleida, Centre UdL-IRTA, Rovira Roure 191, E-25198 Lleida (SPAIN), Tel: +34-973-702581, Fax: +34-973-238301, e-mail: jesus.avilla@irta.es

*Bathon*, Dr. Horst, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Biological Control, Heinrichstrasse 243, D-64287 Darmstadt (GERMANY), Tel +49-6151-407225, Fax +49-6151-407290, e-mail: h.bathon@bba.de

*Baur*, Hannes, Natural History Museum, Department of Invertebrates, Bernastrasse 15, CH-3005 Bern (SWITZERLAND), Tel: +41-31-3507264, Fax +41-31-3507499, e-mail: hannes.baur@nmbe.ch, <http://www.nmbe.ch>

*Ben Jamaâ*, Mohamed, Institut National de Recherches en Génie Rural, Eaux et Forêts, BP 10, 2080 Ariana-Tunis (Tunisia), e-mail: benjamaa.lahbib@iresa.agrinet.tn

*Birch*, Dr. A. Nick, Scottish Crop Research Institute, Invergowrie, Dundee DD2 5DA (Scotland, UK), Tel +44-1382-562731, Fax +44-1382-562426, e-mail: n.birch@scri.sari.ac.uk, <http://www.scri.sari.ac.uk>

*Castañé*, Dr. Cristina, IRTA, Centre de Cabrils, Carretera de Cabrils s/n, E-08348 Cabrils (Barcelona) (SPAIN), Tel: +34-93-7507511, Fax: +34-93-7533954, e-mail: cristina.castane@irta.es

*Chantelot*, Éric, ITV France, 19 Rue de Général Foy, F-75008 Paris (France), e-mail: eric.chantelot@itvfrance.com

*Clerjeau*, Michel, UMR Santé Végétal INRA-ENITA, Centre de Recherches de Bordeaux, Station de Pathologie Végétale, Av. Edouard Bourleaux, BP 81, F-33883 Villenave d'Ornon Cedex (France), Tel. +33 6 08095487, Fax +33 5 56843222, [clerjeau@bordeaux.inra.fr](mailto:clerjeau@bordeaux.inra.fr)

*Collier*, Dr. Rosemary, Warwick HRI, The University of Warwick, Wellesbourne, Warwick, CV35 9EF (UNITED KINGDOM), e-mail: [rosemary.collier@warwick.ac.uk](mailto:rosemary.collier@warwick.ac.uk)

*Cook*, Samantha, Plant and Invertebrate Ecology Division, Rothamsted Research, Harpenden, Hertfordshire, AL5 2JQ (UK), Tel: + 44-1582-763133, e-mail: [sam.cook@bbsrc.ac.uk](mailto:sam.cook@bbsrc.ac.uk), Web: <http://www.rothamsted.bbsrc.ac.uk>

*Cross*, Dr. Jerry, Horticulture Research International, East Malling, Kent ME19 6BJ (United Kingdom), Tel: +44-1732-8430833, Fax +44-1732-849067, e-mail: [jerry.cross@emr.ac.uk](mailto:jerry.cross@emr.ac.uk)

*Ehlers*, Prof. Dr. Ralf-Udo, Institute for Phytopathology, Christian-Albrechts-University, Dept. Biotechnology & Biological Control, Klausdorfer Str. 28-36, D-24223 Raisdorf (GERMANY), Tel +49-4307-839833, Fax +49-4307-829514, e-mail: [ehlers@biotec.uni-kiel.de](mailto:ehlers@biotec.uni-kiel.de)

*Elad*, Dr. Yigal, A.R.O. The Volcani Center, Department of Plant Pathology, Bet Dagan 50250 (ISRAEL), Tel +972-3-9683580, Fax +972-3-9683543, e-mail: [elady@volcani.agri.gov.il](mailto:elady@volcani.agri.gov.il)

*Enkegaard*, Dr. Annie, Danish Institute of Agricultural Sciences, Department of Crop Protection, Research Centre Flakkebjerg, DK-4200 Slagelse (DENMARK), Tel +45-58113300, Fax +45-58113301, e-mail: [annie.enkegaard@agrsci.dk](mailto:annie.enkegaard@agrsci.dk)

*Enkerli*, Dr. Jürg, Molecular Ecology, Agroscope FAL Reckenholz, Reckenholzstrasse 191, 8046 Zürich (SWITZERLAND), Tel: +41(0)1-377-7206, Fax: +41(0)1-377-7201, e-mail: [juerg.enkerli@fal.admin.ch](mailto:juerg.enkerli@fal.admin.ch), <http://www.reckenholz.ch>

*Franceschini*, Dr. Antonio, Dipartimento di Protezione delle Piante, Sezione di Patologia vegetale, Università degli Studi, Facoltà di Agraria, Via E. de Nicola, 9, 07100 Sassari (Italy), e-mail: [afran@uniss.it](mailto:afran@uniss.it)

*Garcia-Mari*, Dr. Ferran, Universitat Politècnica de València, Departament Ecosistemes Agroforestals, Entomologia E.T.S. Enginyers Agrònoms, Camí de Vera 14, E-46022 València (SPAIN), Tel +34-638-79250, Fax +34-638-79269, e-mail: [fgarciam@eaf.upv.es](mailto:fgarciam@eaf.upv.es)

*Glazer*, Dr. Itamar, Agricultural Research Organization, The Volcani Center, P.O.Box 6, Bet Dagan 50250 (Israel), Tel: +972-3-9683334, Fax: +972-3-9604180, e-mail: [glazerit@volcani.agri.gov.il](mailto:glazerit@volcani.agri.gov.il)

*Ioratti*, Dr. Claudio, Istituto Agrario San Michele all'Adige, Via Edmondo Mach, 1, 38010 S. Michele all'Adige (TN) (ITALY), Tel: ++39-0461-615111, Fax: ++39-0461-650872, e-mail: [claudio.ioriatti@iasma.it](mailto:claudio.ioriatti@iasma.it)

*Kalaitzaki*, Dr. Argyro, National Agricultural Research Foundation, Institute of Olive Tree and Subtropical Plant of Chania, Agrokipio, G-73200 Chania (GREECE), Tel: +30-28210-83449, Fax: +30-28210-93963, e-mail: [argkalaitzaki@yahoo.com](mailto:argkalaitzaki@yahoo.com)

*Kleespies*, Dr. Regina, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Biological Control, Heinrichstrasse 243, 64287 Darmstadt (GERMANY), Tel +49-6151-407-226, -240, Fax +49-6151-407290, e-mail: [r.kleespies@bba.de](mailto:r.kleespies@bba.de), <http://www.bba.de/english/insect-pathogens/insect-pathogens.htm>

*Koopman*, Dr. Birger, Institute for Plant Pathology and Plant Protection, Grisebachstr. 6, D-37077 Göttingen (GERMANY), Tel +49-551-393776, Fax +49-551-394187, e-mail: [bkoopma@gwdg.de](mailto:bkoopma@gwdg.de)

*Linder*, Christian, Agroscope, RAC Changins, Route de Duillier, CP 1012, CH-1260 Nyon 1 (Switzerland), Tel: +41-22-3634389, Fax: +41-22-3621325, e-mail: [christian.linder@rac.admin.ch](mailto:christian.linder@rac.admin.ch)



*Lopez-Ferber*, Dr. Miguel, LGEI, Industrial Environment Engineering Center, Ecole des Mines d'Alès, 6 avenue de Clavières, F-30319 Alès Cedex (France), Tel +33-4-66782704, Fax +33-4-66782701, e-mail: miguellopez@ema.fr

*Lozzia*, Dr. Carlo, Istituto die Entomologia Agraria, Università degli Studi di Milano, Via Celoria, I-20123 Milano (ITALY), Tel +39-02-23691927, Fax +39-02-26680320, e-mail: lozcar@mailserver.unimi.it

*Malavolta*, Dr. Carlo, Servizio Produzioni Vegetali, Viale Silvani, 6, I-40122 Bologna (Italy), Tel +39-051-284654, Fax +39-051-284337, e-mail: cmalavolta@regione.emilia-romagna.it

*Maixner*, Dr. Michael, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Plant Protection in Viticulture, Brüningstr. 84, D-54470 Bernkastel-Kues (GERMANY), Tel +49-6531-9718, Fax +49-6531-4936, e-mail: m.maixner@bba.de

*Molinari*, Prof. Fabio, Istituto di Entomologia e Patologia Vegetale, Università Cattolica del Sacro Cuore, Via Emilia Parmense, 84, 29100 Piacenza (ITALY), Tel: +39-0523-599236, Fax: +39-0523-599235, e-mail: fabio.molinari@unicatt.it

*Navarro*, Dr. Shlomo, The Agricultural Research Organization, The Volcani Center, Department of Stored Products, P.O. Box 6, Bet Dagan 50250 (ISRAEL), Tel +972-525787252, Fax: +972-3-9683583, mobile +972-56-220587, e-mail: snavarro@volcani.agri.gov.il

*Poehling*, Prof.Dr. Hans Michael, University of Hannover, Institute for Plant Pathology and Plant Protection, Herrenhäuser Strasse 2, 30419 Hannover (GERMANY), Tel +49-511-7622641, Fax +49-511-7623015, e-mail: poehling@ipp.uni-hannover.de

*Romeis*, Dr. Jörg, Agroscope FAL Reckenholz, Swiss Federal Research Station for Agroecology and Agriculture, Reckenholzstrasse 191, Postfach, 8046 Zürich (SWITZERLAND), Tel +41-44-3777299, Fax: +41-44-3777201, e-mail: joerg.romeis@fal.admin.ch

*Rossi*, Prof. Vittorio, Istituto di Entomologia e Patologia Vegetale, Università Cattolica del Sacro Cuore, Via Emilia Parmense, 84, I-29100 Piacenza (ITALY), Tel: +39-0523-59923, Fax: +39-0523-599256, e-mail: vittorio.rossi@unicatt.it

*Rossing*, Dr. Walter A.H., Wageningen University, Biological Farming Systems Group, Marijkeweg 22, NL-6709 PH Wageningen (THE NETHERLANDS), Tel +31-317-478210, Fax ++31-317-478213, e-mail walter.rossing@wur.nl

*Schirra*, Dr. Karl-Josef, DLR - Rheinpfalz, Dept. Phytomedizin, Breitenweg 71, D-67435 Neustadt/Weinstraße (GERMANY), Tel +49-6321-671350, Fax +49-6321-671387, e-mail: karl-josef.schirra@dlr.rlp.de

*Schmitt*, Dr. Annegret, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Biological Control, Heinrichstrasse 243, 64287 Darmstadt (GERMANY), Tel +49-6151-407-241, Fax +49-6151-407290, e-mail: a.schmitt@bba.de

*Sentenac*, Gilles, Centre Technique Interprofessionnel de la Vigne et du Vin, 6 rue de XVI chasseur, F-21200 Beaune (France), Tel +33-380262383, Fax +33-380262384, e-mail: gilles.sentenac@itvfrance.com

*Sousa*, Edmundo, Estação Florestal Nacional, Departamento de Protecção Florestal, Avenida da República Quinto do Marquês, P-2780-159 Oeiras (PORTUGAL), e-mail: edmundo.sousa@efn.com.pt

*Steinberg*, Dr. Christian, INRA, UMR-Microbiologie et Géochimie des Sols, 17, rue Sully, B.P. 86510, F-21065 Dijon Cedex, (FRANCE), Tel +33/380693050, Fax +33/380693226, e-mail: christian.steinberg@dijon.inra.fr



*Symondson*, Dr. William O.C., School of Biosciences, Cardiff University, PO Box 915, Cardiff, CF10 3TL (UK), Tel +44-2920-875151, Fax +44-2920-874305, e-mail: [symondson@cardiff.ac.uk](mailto:symondson@cardiff.ac.uk)

*Thiery*, Denis, INRA – Station de Zoologie, INRA Centre de Bordeaux, BP81, F-33883 Villenave d'Ornon Cedex (FRANCE), Tel +33-556843287, Fax +33-556843276, e-mail: [thiery@bordeaux.inra.fr](mailto:thiery@bordeaux.inra.fr)

*Tirry*, Prof. Dr. Luc, Ghent University, Laboratory of Agrozoology, Department of Crop Protection, Coupure Links 653, B-9000 Gent (BELGIUM), Tel +32-9-2646152, Fax +32-9-2646239, e-mail: [luc.tirry@ugent.be](mailto:luc.tirry@ugent.be)

*Tkaczuk*, Dr. Cezary, University of Podlasie, Department of Plant Protection, ul. Prusa 14, 08-110 Siedlce (POLAND), e-mail: [tkaczuk@ap.siedlce.pl](mailto:tkaczuk@ap.siedlce.pl)

*Vogt*, Dr. Heidrun, Federal Biological Research Centre for Agriculture and Forestry (BBA), Institute for Plant Protection in Fruit Crops, Schwabenheimer Strasse 101, D-69221 Dossenheim (GERMANY), Tel +49-6221-8680530, Fax +49-6221-8680515, e-mail: [h.vogt@bba.de](mailto:h.vogt@bba.de)

*Weintraub*, Dr. Phyllis G., Gilat Research Station, Entomology Unit, D.G. Negev 85280 (ISRAEL), Tel +972-8-9928678, Fax +972-8-9926485, e-mail: [phyllisw@volcani.agri.gov.il](mailto:phyllisw@volcani.agri.gov.il)

*Witzgall*, Dr. Peter, Swedish University of Agricultural Sciences, Department of Plant Protection Sciences, Box 44, S-23053 Alnarp (SWEDEN), Tel +46-40-415307, Fax +46-40-462166, e-mail: [peter.witzgall@vv.slu.se](mailto:peter.witzgall@vv.slu.se)

## INFORMATIONS FROM THE EXECUTIVE COMMITTEE AND THE COUNCIL

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### **Executive Committee meetings hosted in Zürich by Agroscope, FAL: December 9-11, 2005, January 20, 2006**

The objectives of these meetings were for the new Executive Committee to (1) review the recommendations formulated during the Dijon General Assembly in September 2005 and launch the activities and new projects the team, and (2) prepare for the Council meeting of January 2006.

### **Council meeting hosted in Zürich by Agroscope, FAL: January 21, 2006**

The main topics on the agenda were:

- Review the activities of all WGs & Commissions; discuss problems & solutions
- Review a proposal for the creation of a new Study Group: "Integrated control of mite pests" (*the proposal was accepted by the Council; new Convenor = Dr. P. Weintraub*), and elect a new convenor for the Commission "Harmonized regulation of biological control agents"
- Review the duties & responsibilities of Council members and Liaison officers (on the basis of Statutes and Bye-laws of IOBC-WPRS). *To facilitate and harmonize reporting by liaison officers, it was decided to prepare a form, with the key points to be mentioned.*
- Distribute among the Council members the tasks of liaison officers for Working/Study Groups and Commissions
- Discuss and approve the 2006-2007 budget

- Discuss the implementation of improvements in the IOBC-WPRS website,
- Discuss the collaboration between WPRS and IOBC-Global (the current president of IOBC-Global was invited), and the relationship between IOBC-WPRS and the EC and other institutions/bodies.
- Prepare plans for the revision of the Convenor's handbook and its publication of the WPRS web site, for the revisions of Statutes and Byelaws (as recommended by the General Assembly), for the production of a new information flier.
- Discuss the publication (paper and electronic) of the history of IOBC compiled by Dr. Boller
- Discuss the status and plans for handling the archives of IOBC-WPRS

## IOBC/wprs

# COMMISSIONS AND WORKING GROUPS

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## Commission on “Harmonised regulation of Invertebrate Biological Control Agents“(CHIBCA)

### **New Guidelines and a new Convenor!**

After its establishment in September 2003, the CHIBCA organised a meeting in July 2004 with two main objectives: (a) to gain an overview on the state-of-art of regulation of invertebrate biocontrol agents in European countries, and (b) to design a guideline describing the principles of regulation, including information requirements for import and release. Scientists, regulators and representatives of the biocontrol industry attended the workshop and participated in developing the guideline which has been published recently:

BIGLER, F., J.S. BALE, M.J.W. COCK, H. DREYER, R. GREATREX, U. KUHLMANN, A.J.M. LOOMANS and J.C. VAN LENTEREN (2005): Guidelines on information requirements for import and release of invertebrate biological control agents in European countries. *Biocontrol News and Information* 26 (4): 115N-123N, 2005.

The Guideline is divided into four parts: 1. Information requirements for the importation of non-native IBCAs for research, 2. Information requirements for the deliberate release of non-native IBCAs, 3. Information requirements for the release of native IBCAs and 4. Widely used non-native and native agents.

As the Convenor of CHIBCA, FRANZ BIGLER, was elected as the new president of IOBC/wprs in September 2005, a new Convenor had to be designated by IOBC/ wprs Council at its meeting in January 2006. I am glad to inform you that Prof. JEFF BALE from Birmingham University has been elected unanimously as new Convenor of CHIBCA.

It was suggested by one of the Commission members, CLAUDE ALABOUVETTE, to extend the activities of CHIBCA to include biological control micro-organisms. After discussions in the Council, this proposal was adopted. With this extended remit, new Commission members will be needed to cover the wider range of organisms. The name of the Commission was changed to “Harmonized Regulation of Biological Control Agents”.

Franz Bigler

## Next Meeting of the Sub Group “Arthropod Pests of Pome Fruits” of the Working Group “Integrated Plant Protection in Fruit Crops

The next meeting of the sub group “Arthropod Pests of Pome Fruits” of the IOBC/wprs WG “Integrated Plant Protection in Fruit Crops” (formerly called the “Orchards” WG) will take place in Lleida (Spain), 2006, September, 4<sup>th</sup> - 6<sup>th</sup> hosted by the University of Lleida (UdL) and the Institut for Food and Agricultural Research and Technology (IRTA).

The aims of the meeting are to bring together the latest advances in research on **integrated control of arthropod pests of pome fruits**, to provide an opportunity to exchange information and to coordinate common research and identify the main areas of future research.

The workshop will deal with all the aspects of the integrated control of arthropod pests in pome fruit orchards. The following main topics are proposed:

- Functional biodiversity in pome fruit orchards
- The role and the use of ecological infrastructures in pest control
- Climatic change and pest problems
- Invasive species management
- Insect vectors: behaviour and control
- Monitoring and forecasting of pest and natural enemy populations
- Calculation and use of economic thresholds
- Conservation biological control of pests
- Pest control by behaviour modification or disruption
- Pest resistance to pesticides: from detection to management
- Implementation of integrated control programs in wide areas

Please, do not hesitate to contact the Local Organiser if you are interested in attending the meeting and you have not received the First Announcement.

Dr. Jerry Cross

Convenor

IOBC/WPRS WG Orchards

Jerry.Cross@emr.ac.uk

Dr. Claudio Ioratti

Scientific Secretary

Arthropod Pests Subgroup

claudio.ioriatti@iasma.it

Dr. Jesús Avilla

Local Organiser

jesus.avilla@irta.es

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## Working Group "Pheromones and other Semiochemicals in Integrated Production"

Peter Witzgall (Convenor)

### Semiochemicals in Pest Control and Conservation Biology

Graduate student course on the applications of pheromones, kairomones and other semiochemicals.

Organized by the Department of Ecology, Lund University and the Department of Crop Science, Swedish University of Agricultural Sciences. The course will take place in Lund, Sweden, 13-24 March 2006.

## Scope

Since the first identification of a pheromone over forty years ago the world of chemical signals has received much attention from scientists in biology, chemistry and agriculture/forestry. Many of the findings have come into practical use, mainly for monitoring or suppression of insect pests. Yet, a very small fraction of crop protection is based on semiochemicals, despite their obvious advantages over conventional insecticides. Why is this and what can be done to increase the applied use of these sustainable alternatives? More recently other possibilities to use odour signals have become obvious in e.g. detection of rare species. Can this be developed and used more widely in conservation biology? These are issues that will be dealt with during the course, which includes lectures, student presentations, exercises and discussions.

On the program:

- Monitoring of pest species
- Monitoring of rare species
- Mating disruption
- Mass trapping, lure & kill, trap crop
- Repellence
- Calling for help, tritrophic interactions
- Chemistry from milligram scale to kilograms
- Commercial and legal aspects

<http://www.pheromone.ekol.lu.se/semiochem-06.html>

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## Next Meeting WG “Integrated Control in Protected Crops, Mediterranean Climate” 14-18 May 2006 in the city of Murcia (Spain)

The next meeting of our Working Group is approaching and things are getting ready so all of us could have a fruitful meeting. The meeting will address the possibilities and challenges that Biological Control has, especially in Mediterranean conditions, and the different strategies to face them will be discussed. It is locally organized by Juan Antonio Sánchez, from Instituto Murciano de Investigación y Desarrollo Agrario y Alimentario (IMIDA).

A provisional program of the activities is the following:

On Sunday, the 14<sup>th</sup> of May, we will have a welcome reception to all participants and also this will also be a good time for register. Oral presentations and discussions will start on Monday the 15<sup>th</sup>. On the 16<sup>th</sup>, Tuesday, we will have the technical visit to pepper and tomato greenhouses in the area of Murcia in which biological control is extensively applied. On Wednesday and Thursday we will have more oral sessions and discussions. Those interested in this meeting please visit the website

[http://wsiam.carm.es/imida/congresos\\_jornadas/oilb.htm](http://wsiam.carm.es/imida/congresos_jornadas/oilb.htm)

to have up to date information of the event.

Convenor  
Cristina Castañé  
Institut de Recerca i Tecnologia  
Agroalimentàries (IRTA)  
[cristina.castane@irta.es](mailto:cristina.castane@irta.es)

Local organizer  
Juan Antonio Sánchez  
Instituto Murciano de Investigación y  
Desarrollo Agrario y Alimentario (IMIDA)  
[juana.sanchez23@carm.es](mailto:juana.sanchez23@carm.es)

## **WG “Breeding for resistance against insects and diseases” Next Meeting: Heraklio (Greece), 27–29 April, 2006**

Dear colleagues,

We are glad to inform and invite you to a joint conference of our two IOBC/wprs working groups “Breeding for resistance against insects and diseases” and “Induced resistance in plants against insects and diseases”.

We will hold a joint conference in 2006 in Heraklio, Crete, Greece under the main topic and title “Breeding for inducible resistance against pests and diseases”. The local hosts will be Dr. NIKOLAOS MALATHRAKIS, and Dr. NIKOLAOS FANOURAKIS, Technological Education Institute of Crete (TEI, Heraklio, Crete).

The conference will be held from 27<sup>th</sup> to 29<sup>th</sup> April 2006.

### **Sessions of the Conference:**

- Mechanisms involved in inducible and constitutive resistance to pests and diseases
- Evolutionary aspects of plant resistance
- Chemical ecology / Trophic interactions; associations of phenotypes and genotypes
- Types of resistance important for plant breeders and possible contribution of inducible resistance
- Biotechnology approaches to breeding for (inducible) resistance
- Tools for biotechnology
- Deployment strategies for durable resistance within Integrated Crop Management

Experts in the different fields (from fundamental molecular biology to applied plant breeding) will be invited as keynote speakers to be followed by oral and poster presentations from the participants.

We are cordially inviting you to participate in this conference and to send this information to other colleagues of yours who might be interested.

You can get further information at

<http://www.unine.ch/bota/IOBC/>

We hope to meet you in Crete!

Best regards,

Dr. Annegret Schmitt  
BBA  
Institut für biologischen Pflanzenschutz  
Heinrichstr. 243  
D-64287 Darmstadt (Germany)

Tel. +49 (0)6151 407 241  
Fax +49 (0)6151 407 290  
e-mail: a.schmitt@bba.de

Dr Nick Birch  
Research Leader, SCRI LEAF  
Innovation Centre  
Host Parasite Coevolution Programme  
SCRI  
Invergowrie, Dundee (UK)

Tel: +44 (0)1382 562731 xt 2401  
Fax: + 44 (0)1382 562426 (FAO Nick Birch)  
e-mail: n.birch@scri.ac.uk

**WG “Biological control of fungal and bacterial plant pathogens”, 9th Meeting of the ‘Phytopathogens’ group:  
*Fundamental and practical approaches to increase biocontrol efficacy*  
September 6-10, 2006, Spa, Belgium**

Following the meetings of the phytopathogens WG in Kusadasi in May 2002 and the S. Michele All’Adige joint meeting of the phytopathogens WG with the Integrated control WG in June 2004, we will organize the next meeting in Spa, Belgium in September 2006. The meeting will be organized by colleagues from the Faculty of Bioscience engineering of the Ghent University and the Faculty of Agricultural Sciences of Gembloux.

Themes of the workshop:

The topic of the workshop is based on “fundamental and practical approaches to increase biocontrol efficacy” and the following themes will be emphasized:

1. Understanding/stimulating naturally occurring antagonists in soil, substrate, rhizosphere and phyllosphere.
2. Understanding/stimulating the modes of action and ecological suitability of introduced antagonists in soil, substrate, rhizosphere and phyllosphere.
3. Influence of plant species/cultivar on natural or introduced antagonists.
4. Production and formulation to increase biocontrol efficacy.
5. Use of biocontrol agents in integrated disease management.

The general aim is to bring together students, researchers and implementers dealing with all aspects of biocontrol of plant pathogens to discuss approaches that can be taken to increase biocontrol efficacy. Similarly to previous meetings, we expect 150 participants from many countries to participate in the meeting. The meeting will start on the evening of September 6, followed by 3 days for sessions and half a day for excursions. Oral and poster presentations will be given and ample time will be devoted for discussion. Short papers of the presentations will be published in the frame of the IOBC/wprs Bulletin.

Registration form: [http://www.iobc-wprs.org/events/download/20060906\\_reg.doc](http://www.iobc-wprs.org/events/download/20060906_reg.doc)

You can get further information at:

<http://www.iobc-wprs.org/structure/index.html>

[http://www.iobc-wprs.org/wg\\_sg/06\\_wg\\_plant\\_pathogens.html](http://www.iobc-wprs.org/wg_sg/06_wg_plant_pathogens.html)

The Organizing Committee:

MONICA HÖFTE, HAÏSSAM JIJAKLI, MARC ONGENA, YIGAL ELAD

Convenor:

Yigal Elad

Dept. of Plant Pathology, The Volcani Center

Bet Dagan 50250, Israel

Tel. ++972 3 9683539, Fax ++972 3 9683688

email: [elady@volcani.agri.gov.il](mailto:elady@volcani.agri.gov.il)



## Study Group “Integrated Control of Plant Feeding Mites “ First Meeting in Jerusalem (Israel), March 12-14, 2007

Dear Colleagues,

It is with great pleasure to announce that the IOBC/wprs Council has approved the formation of a new Study Group, *Integrated Control of Plant Feeding Mites*. We believe this new group will bring together acarologists working on plant feeding mites species occurring in different cropping systems. Furthermore, collaborative project groups could be created to focus research efforts on new and emerging pests such *Tetranychus evansi*. We are in the process of organizing the first meeting and would like to know if you will be interested in participating and receive subsequent fliers.

The general aim is to bring together students, researchers and company representatives dealing with all aspects of integrated and biological control of plant feeding mites to discuss approaches that can be taken to increase control efficacy. The meeting will start the evening of Sunday March 11 with a light refreshment mixer, followed by 3 days of sessions which will include a half a day excursion. Oral and poster presentations will be given and ample time will be devoted for discussion. Short papers of the presentations will be published in the frame of the IOBC/wprs Bulletin. The second circular with information about registration, costs, publications, will be sent by e-mail to those interested.

Organizing committee: PHYLLIS WEINTRAUB, URI GERSON, ERIC PALEVSKY

Scientific committee: ERIC PALEVSKY, URI GERSON

### Site of the Meeting

**Jerusalem** is like no other city on earth. It is holy to the world's three major mono-theistic religions, is the capital of the State of Israel but, in a special sense, Jerusalem belongs to the whole world. In short, Jerusalem is a thriving modern metropolis with a 3,000 year old history.

This venue was chosen so that all participants will have the opportunity to meet and interact with each other on a personal basis in an inspirational city. The organizers hope that the scenic, historic environment of the meeting site will be a source of inspiration for stimulating scientific discussions.

We are looking forward to seeing you in Israel.

Please post this circular and pass it to colleagues who may be interested to attend the meeting. The second circular will be sent to those who responded to this circular.

PHYLLIS WEINTRAUB

Please fill the pre-registration form and send it before March 15, 2006 to the WG convenor:

Dr. Phyllis Weintraub  
Gilat Research Station, Entomology Unit  
D.G. Negev 85280 (Israel),  
Tel.: +972-8-9928678, Fax: +972-8-9926485  
e-mail: phyllisw@volcani.agri.gov.il



**Pre-registration form**

**IOBC/WPRS Study group “Integrated Control of Plant Feeding Mites” – Jerusalem, March 12-14, 2007**

Name (First name, initials, Last name): .....

Institute: .....

Address: .....

.....

E-mail (important): .....

Phone: ..... Fax: .....

– I wish to attend the meeting and would like to receive the second circular:  
Yes..... No.....

– I wish to give a presentation about the following subject: .....

– I will not be able to attend the March 2007 meeting but I wish to be informed about future activities:  
Yes..... No.....

– I suggest including the following person(s) in the mailing list:

Name (First name, initials, Last name): .....

Institute: .....

Address: .....

.....

E-mail: .....

Phone: ..... Fax: .....

Return this form before March 15, 2006 to  
Dr. Phyllis Weintraub at [phyllisw@volcani.agri.gov.il](mailto:phyllisw@volcani.agri.gov.il)  
(Dept. Entomology, Agricultural Research Organization, Gilat Research Center,  
D.N. Negev, 85280, Israel)

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You may produce copies of this form for the benefit of other people interested in this meeting or in the group activities

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## **Working Group “Integrated Protection of Olive Crops” Report of the Meeting in Florence, October 2005**

In October 26-28, 2005 was held in Florence, Italy the 2<sup>nd</sup> European Meeting of the IOBC/wprs Working Group: “Integrated Protection of Olives Crops” in the Polo Scientifico of Sesto Fiorentino. Chairperson was Prof ANTONIO BELCARI, Department of Agricultural Biotechnologies, University of Florence.

91 scientists from 12 countries (Austria, Egypt, Greece, Iran, Italy, Montenegro, Portugal, Slovak Republic, Spain, Tunisia, UK, USA) attended the meeting which included 35 oral and 40 poster presentations, respectively. The following topics were handled over the three days of the meeting in a total of 5 sessions: *Bactrocera oleae* (Behavior, Chemical ecology, Monitoring, Population dynamics, Chemical, Biological and Biotechnical control methods, Side effects), other pests of Olive groves and Olive agroecosystem aspects, Diseases, Advanced IPM Strategies in olive groves. The presentations covered several aspects of various insect pests and diseases of olives within the framework of Integrated Protection of olive crops.

### **Future activities**

The 3rd meeting of the Working Group will be held in Braganca (Portugal) in May 2007. Local Organizer: JOSE ALBERTO PEREIRA, CIMO/Escola Superior de Braganca, PO Box 1172, 5301-855 Braganca (Portugal), e-mail: jpereira@ipb.pt

### **Publications**

- The Proceeding of the 1st European meeting of the IOBC/wprs Study Group “Integrated Protection of Olives Crops”, Chania (Greece), May 29-31, 2003 in the Mediterranean Agronomic Institute of Chania (MAICh) are published in the IOBC/wprs Bulletin 28 (9), 2005.
- Full articles of the 2nd meeting, Florence (Italy), October 26-28, 2005 will be published in the Proceedings in an IOBC/wprs Bulletin in 2006.

### **Convenor**

Dr. Kalaitzaki Argyro  
Institute of Olive Tree and Subtropical Plant (NAGREF)  
Department of Entomology and Biological Control  
Tel.: +30 28210 83449, Fax: +30 28210 93963  
e-mail: argkalaitzaki@yahoo.com

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## **WG “Integrated Protection in Field Vegetable Crops” Report of the Meeting in Ljubljana, October 2005**

The group met in Ljubljana, Slovenia in October 2005. There were approximately 50 participants from 17 countries. Our host was STANISLAV TRDAN from the University of Ljubljana. The group focuses mainly on the pest insects of vegetable crops. However, some members have interests outside this area, particularly in disease control.

There were two day-long sessions of formal presentations, lots of informal discussion and visits to farms and other places of interest in Slovenia. The majority of the presentations concerned pest insects of field vegetables, principally brassica, carrot, lettuce and allium crops. There were a number of presentations on *Thrips tabaci* in leek and onion crops and a group of researchers from the UK, France, Belgium, the Netherlands and

Slovenia are planning to meet again in the coming year to discuss ways of collaborating and exchanging information. Other topics covered in the recent meeting included vertical barriers to exclude fly pests of vegetable crops, trap crops, host plant finding, the effect of climate change on pest species, pest monitoring and forecasting, host plant resistance, the use of synthetic and natural pesticides, disease and weed control. A Bulletin containing written contributions to the 2005 meeting will be produced during 2006 and the next meeting of the group will be held in October 2007.

**Convenor**

*Rosemary Collier  
Warwick HRI, The University of Warwick  
Wellesbourne, Warwick CV35 9EF, UK*

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**Working Group “Landscape management for functional biodiversity”**

**Next Meeting: Zurich (Switzerland), 16-19 May, 2006**

**Conference topics**

The new IOBC/wprs Working Group “Landscape Management for Functional Biodiversity” aims to present a stimulating platform for exchange of research results dealing with improving cropping and farming system performance. Improvement of pest, disease and weed management in which a landscape ecology approach was adopted will receive particular attention. Prevention of crop attack by pests, diseases and weeds may be considered at different hierarchical scales. While the field scale has traditionally received much attention in strategic and applied research, the higher hierarchical scales of farm and landscape or region have only recently gained attention. Interdisciplinary research on issues such as functional biodiversity and landscape connectivity demonstrates that new options for pest control arise when systems management is approached from farm and regional scales. In addition to providing exciting new tools, this change in perspective is highly relevant in relation to the public debate on organic and integrated farming, the role of agriculture in landscape and nature management, and the increasing pressure on the rural areas to provide urban populations with 'green services'. Research at the farm and landscape scale requires inputs from a range of disciplines, such as meteorology, molecular biology, population genetics, agronomy and landscape ecology. Understanding successes and failures in practice will be supported by adoption of a sociological and economic perspective. IOBC represents an excellent platform for stimulating and facilitating such inter-disciplinary discussions in this relatively young scientific field.

For the second meeting in 2006 of the Working Group we specifically invite contributions on the following themes:

- Success stories of pest, disease or weed management by functional biodiversity
- Approaches in on-farm development of (functional) biodiversity schemes
- Approaches in which empirical approaches are combined with modelling

To maximise exchange of ideas, we aim at a selection of presentations (maximum of 15 minutes) covering a wide range of approaches within a theme, followed by a co-lecture

by a member of the Scientific Advisory Board to sketch trends in the submitted papers and create anchor points for discussion.

### **Conference site: Zurich, Switzerland**

The conference will be at the Swiss Federal Research Station for Agroecology and Agriculture (Agroscope FAL Reckenholz; <http://www.reckenholz.ch>). The site is located at the border of Zurich in Zurich-Affoltern and it is served by public transport (12 min from railway Zurich main station and then ten minutes on foot).

#### **Organisers**

Katja Jacot (Zurich-Reckenholz)  
Lisa Eggenschwiler (Zurich-Reckenholz)  
Hans-Michael Poehling (Hannover)  
Walter Rossing (Wageningen)

#### **Scientific Advisory Board**

Giovanni Burgio (Florence)  
Barbara Ekbom (Uppsala)  
Bärbel Gerowitt (Rostock)  
Andreas Kruess (Bonn)  
Joop van Lenteren (Wageningen)  
Peter Duelli (Zurich)  
Andries Visser (Lelystad)

#### **Additional informations**

<http://www.iobc-wprs.org/events/index.html>

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## **Working Group “GMOs in Integrated Plant Production”**

### **Future activities**

After the last working group meeting in Lleida, Spain, in June 2005 a satellite workshop entitled ‘Non-Target Risk Assessment of GM Crops and Regulation’ was organized. The goal of the workshop was to discuss whether the IOBC/wprs WG could help to establish generic non-target risk assessment guidelines for GM crops and develop and validate standard protocols for non-target testing. The workshop has identified three areas where the WG could provide expertise: (i) Development of generic risk assessments for non-target organisms; (ii) Definition of criteria for the selection of non-target organisms to be assessed; (iii) Development of standard test methods for selected non-target species. As a follow up on this workshop, a number of experts from the wprs as well as from North-America will meet in Switzerland in early May 2006 to develop a generic non-target risk assessment protocol. This document will be presented for discussion at the next full WG meeting.

The next full working group meeting will be held in Warsaw, Poland, from 23-25 May 2007. Local organizer will be Zbigniew Dabrowski from the Department of Applied Entomology, Warsaw Agricultural University (SGGW).

For further information about the WG contact

Jörg Romeis (convenor)  
Agroscope FAL Reckenholz  
Reckenholzstr. 191  
8046 Zurich, Switzerland  
Tel: +41-44-3777299, FAX: +41-3777201  
E-mail: [joerg.romeis@fal.admin.ch](mailto:joerg.romeis@fal.admin.ch)

## IOBC WG „Pesticides and Beneficial Organisms“ Report of the meeting, October 2005

The last meeting of the WG took place from 27<sup>th</sup> to 30<sup>th</sup> September 2005 in Dębe near Warsaw, Poland. The local organizers, Prof. Dr. REMIGIUSZ OLSZAK and Dr. DAREK GAJEK from the Research Institute of Pomology and Floriculture in Skierniewice, had chosen a perfect meeting place, the Training Centre of the Ministry of Environmental Protection. It is located in Dębe by the Narwa river in a beautiful old forest and is well equipped with conference rooms, a restaurant and comfortable accommodation. The meeting was attended by 55 participants from 14 countries. 22 presentations were given, covering diverse aspects of side-effects of pesticides on beneficial organisms: questions about IPM (integrated pest management), how to improve it, problems occurring due to changes in the pesticide choice, effects of selected pesticides on beneficials (parasitoids and predators), methodical aspects, comparison of sensitivity of several ladybird species to pesticides etc.. The abstracts are published on the IOBC website (see WG Pesticides & Beneficial Organisms), an IOBC Bulletin with the publications of the contributions is in preparation.

The Meeting included a technical visit to a private apple grower. The family farm comprises 20 ha and produces about 20 different apple varieties as well as some soft fruit. Concerning pests in apple, the farmer told, that leaf rollers are more important than codling moth; occasionally, leaf miners can be of importance and in some years and regions *Phyllopertha horticola* and *Melolontha* occur. Regular treatments have to be carried out against apple scab. After the visit of the apple farm the group was invited to visit the Research Institute of Vegetable Crops, which is situated in a historic castle, and the Research Institute of Pomology and Floriculture in Skierniewice. The latter has 13 departments, responsible for extension and research in the following topics: breeding, evaluation of varieties and rootstocks, agrotechnique, physiology and biochemistry, plant protection, mechanization, biotechnology.

At the end of the meeting a discussion took place to summarize the workshop and to conclude and define further main objectives of the WG as well as possible topics for collaborations. These mainly were:

- interpretation and importance of side-effect results in the field;
- sublethal effects and their importance on population level of the beneficials;
- effects of pesticides with special modes of actions (e.g. IGRs); systemic pesticides may need adoption of methods and prolongation of the observation period, more data about their persistence needed;
- effects of pesticides in protected crops;
- extrapolation of data between species;
- more guidance in field methods needed, especially sampling techniques.

Concerning the last topic, the intention is to identify the most appropriate methods for test purposes in different crops (e.g. inventory, beating, suction, sweep net, leaf sampling; visual observations; pitfall, water, sticky, emergence traps) and to elaborate minimum standards for these as well as critical descriptions. This topic had been identified in a past meeting already and the group agreed to intensify work on this subject by bringing together its field experts to work out the documents.

The meeting in Dębe was a very successful one and demonstrated once again that the WG offers an excellent forum for bringing together experts working in the field of “side-effects” of pesticides and for elaborating the basic information necessary for IPM

and the preservation of beneficial organisms. The meeting was characterized by lively discussions and intense information exchange among the participants. Many thanks go to the local organizers and their team for the excellent choice of the meeting place, their great hospitality and the perfect organization of the excursion with its technical and cultural aspects, including the visit of the birth place of Frédéric Chopin, in Żelazowa Wola, with a piano concert and the social dinner in the Palace of Teresin.

### **Next Meeting, Autumn 2007**

The **next meeting** of the WG will be organized in autumn 2007. The group received the kind invitation by Dr. BARBARA BAIER, BBA-Berlin.

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### **Compilation of side-effect results of the Working Group**

The WG has collected considerable data on side effects of pesticides. A lot of these have been published (JPTPs, IOBC Bulletins) and there exist unpublished data. Thus the information is scattered. In order to make it more easily available – especially for farmers organisations, who need this information for the implementation of IPM and when seeking for IPM endorsement, but also for extension service and scientists, it was decided together with the IOBC Commission on „IP-Guidelines and Endorsement“ to compile the data. Part of the work was contracted and the expenses were covered by both, the WG and the Commission. We decided to create a readily comprehensible tabular form, to use three classification categories (N=harmless or slightly harmful, M=moderately harmful, T = harmful), and to include besides the main beneficials toxicity to honeybees, earthworms and fish as well as to indicate the WHO toxicity class. The table has been finalized and includes more than 170 pesticides. Most of the information has been compiled by PIA TERNES and HEIDRUN VOGT, Germany, in behalf of the IOBC/wprs WG “Pesticides and Beneficial Organisms”, mainly using the IOBC/wprs results from the Joint Pesticide Testing Programmes 2 – 9 and from publications in the IOBC Bulletins of the WG. Additional entries were made by the Commission based on official and published sources outside IOBC and are considered “expert judgements”.

The table together with explanations is now available on the web:

<http://www.iobc.ch/news.html> (= Toolbox: Selectivity of pesticides).

For questions, more information as well as suggestions to the WG, please contact the **WG Convenor**

#### **Dr. Heidrun Vogt**

BBA, Institute for Plant Protection in Fruit Crops

Schwabenheimerstr. 101

D-69221 Dossenheim, Germany

Tel.: +49-(0)6221-8680530

Fax: +49-(0)6221-8680515

E-mail: [H.Vogt@bba.de](mailto:H.Vogt@bba.de)

# New IOBC/wprs Publications

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## New IOBC/wprs Bulletins

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## IOBC/wprs Bulletin Vol. 28(8) 2005

Working Group „Integrated Protection in Oak Forests”. Proceedings of a Meeting at Hammamet (Tunisia), 4-8 October, 2004. Edited by: Claire Villemant & Mohamed Lahbib Ben Jamâa. ISBN 92-9067-180-5 [xviii + 288 pp.]

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Determination List of Entomophagous Insects, Nr. 14 of the Commission "Identification service of entomophagous insects". Edited by: Hannes Baur. ISBN 92-9067-183-x [vii + 71 pp.].

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## Other interesting publications brought to attention of Profile

- Edwards, C.A. (2004): *Earthworm Ecology*. 2<sup>nd</sup> ed. – 456 pp., CRC Press, Boca Raton, Florida (USA), \$ 99.95 (ISBN 0-415-33400-4).
- Gibb, Timothy & Christian Oseto (2005): *Arthropod Collection and Identification: Field and Laboratory Techniques*. – 500 pp., Elsevier, £ 19.99 (ISBN 0-12-369545-7).
- Gilbert, L.I., K. Iatrou, & S.S. Gill (eds., 2004): *Comprehensive Molecular Insect Science* (7-Volume Set). – 3300 pp., Elsevier, £ 1,560.00 (ISBN 0-444-51516-X).
- Koul, O. (2005): *Insect antifeedants*. – 1024 pp., CRC Press, Boca Raton, Florida (USA), \$ 189.95 (ISBN 0-8493-1819-X).
- Markow, Therese A. & Patrick O'Grady (2005): *Drosophila: A Guide to Species Identification*. – 500 pp. (Spiral bound), Elsevier, £ 59.99 (ISBN 0-12-473052-3).
- Marquardt, William H. (ed., 2004): *Biology of Disease Vectors*. 2nd ed. – 816 pp. (Hardcover), Elsevier, £ 62.99 (ISBN 0-12-473276-3).
- Resh, Vincent H. & Ring T. Cardé (eds., 2003): *Encyclopedia of Insects*. – 1266 pp. (Hardcover), Elsevier, £ 64.99 (ISBN 0-12-586990-8).
- Schmutterer, H. & J. Huber (eds., 2005): *Natürliche Schädlingsbekämpfungsmittel*. – 263 pp., Stuttgart (Eugen Ulmer Verlag), € 34.90 (ISBN 3-8001-4754-8).
- Stenersen, J. (2004): *Chemical Pesticides. Mode of Action and Toxicology*. – 296 pp., CRC Press, Boca Raton, Florida (USA), \$ 84.95 (ISBN 0-7484-0910-6).

## Time-Table of forthcoming events

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

- 13 - 15 March, 2006: Third International Conference on Non Chemical Crop Protection Methods, Lille (France). – AFPP, 6, boulevard de la Bastille, 75012 Paris (France), Tel ++33 0(1) 43448964, Fax ++33 0(1) 43442919, E-Mail: [afpp@afpp.net](mailto:afpp@afpp.net), <http://www.afpp.net>
- 03 - 05 April, 2006: Integrated Pest Management in Oilseed Rape, Göttingen (Germany). – Dr. Bernd Ulber, Institut für Pflanzenpathologie und Pflanzenschutz, University of Göttingen, [bulber@gwdg.de](mailto:bulber@gwdg.de), <http://www.symposium-ipm-oilseed-rape.de/>
- 27 - 30 April, 2006: Joint Meeting of the WGs „Breeding for resistance against insects and diseases“ and „Induced resistance in plants against insects and diseases“, Heraklio (Crete, Greece). – Nicos Malathrakis (Local Organizer: [nmal@steg.teiher.gr](mailto:nmal@steg.teiher.gr)); Convenors: Annegret Schmitt ([a.schmitt@bba.de](mailto:a.schmitt@bba.de)) and Nick Birch ([N.Birch@scri.sari.ac.uk](mailto:N.Birch@scri.sari.ac.uk))
- 14 - 18 May, 2006: IOBC/wprs WG “Protected Crops, Mediterranean Climate”, Murcia (Spain). – Dr. Juan Antonio Sánchez, Instituto Murciano de Investigación y Desarrollo Agrario (IMIDA). e-mail: [Juana.Sánchez23@carm.es](mailto:Juana.Sánchez23@carm.es), [http://wsiam.carm.es/imida/congresos\\_jornadas/oilb.htm](http://wsiam.carm.es/imida/congresos_jornadas/oilb.htm)
- 16 - 19 May, 2006: 2nd Meeting of the IOBC/Wprs WG "Landscape management for functional biodiversity", Zürich Reckenholz (Switzerland). – Dr. Lisa Eggenschwiler, Landschaftsoekologie/ Biodiversitaet, Agroscope FAL Reckenholz, Eidg. Forschungsanstalt fuer Agraröekologie und Landbau, Reckenholzstrasse 191, CH-8046 Zürich, Tel: ++41-1-3777413, Fax ++41-1-3777201, e-mail [lisa.eggenschwiler@fal.admin.ch](mailto:lisa.eggenschwiler@fal.admin.ch)



- 23 May, 2006: 58th International Symposium on Crop Protection, Ghent (Belgium). – Pieter Spanoghe, Faculty of Bioscience Engineering, Ghent University, Coupure Links 653, BE-9000 Ghent, Belgium, Tel +32(0)9-2646009, Fax +32(0)9-2646249, e-mail: [iscp@ugent.be](mailto:iscp@ugent.be), [www.iscp.ugent.be](http://www.iscp.ugent.be)
- 02 - 04 June, 2006: 13th Congress on Alternatives to Animal Testing and 10th Annual Meeting of MEGAT (Middle European Society for Alternative Methods to Animal Testing), Linz (Austria). – <http://www.zet.or.at/kongress/Linz2006/submission.html>
- 18 - 23 June, 2006: 5th International Workshop on Grapevine Downy and Powdery Mildew, S. Michele all'Adige (Trentino, Italy). – Daniele Barbacovi, Safecrop Centre, Istituto Agrario di S. Michele all'Adige, Via Mach 1, 38010 TN (Italy), Tel. +39-0461-615239, Fax +39-0461-650872, e-mail: [pdmildew2006@iasma.it](mailto:pdmildew2006@iasma.it), <http://www.safecrop.org/english/events/pdmildew2006/index.html>
- 31 August - 03 September, 2006: International Symposium on Non-specific and specific innate and acquired plant resistance, Budapest (Hungary). – [http://www.nki.hu/pr\\_symposium2006/index/html](http://www.nki.hu/pr_symposium2006/index/html)
- 04 - 06 September, 2006: Meeting of the IOBC/wprs WG "Integrated plant protection in fruit crops", Subgroup "Arthropod pests of pome fruits": "Arthropod pest problems in pome fruit production" (Lleida, Spain). – Convenor: Dr. Jerry Cross, [Jerry.Cross@emr.ac.uk](mailto:Jerry.Cross@emr.ac.uk), Scientific Secretary: Dr. Claudio Ioratti, [claudio.ioriatti@iasma.it](mailto:claudio.ioriatti@iasma.it), Local Organiser: Dr. Jesús Avilla, [jesus.avilla@irta.es](mailto:jesus.avilla@irta.es)
- 06 - 10 September, 2006: 9th IOBC/wprs Meeting of the WG "Integrated Control of Fungal and Bacterial Plant Pathogens": "Fundamental and Practical Approaches to Increase Biocontrol Efficacy", Spa (Belgium). – SPA 2006 Biocontrol Secretariat, Monica Höfte, Laboratory Phytopathology, Dept. Crop Protection, Fac. Bioscience Engineering, Ghent University, Coupure links, 653, 9000 Gent, Belgium, Fax +32 9/2646238, e-mail: [monica.hofte@ugent.be](mailto:monica.hofte@ugent.be), Registration form: [http://www.iobc-wprs.org/events/download/20060906\\_reg.doc](http://www.iobc-wprs.org/events/download/20060906_reg.doc)
- 17 - 22 September, 2006: 8th European Congress of Entomology, Izmir (Turkey). – Prof. Dr. Seniz Kismali, Ege University, Agriculture Faculty, Dept. of Plant Protection, Bornova 35100 Izmir, Turkey, e-mail: [kismali@ziraat.ege.edu.tr](mailto:kismali@ziraat.ege.edu.tr), [www.ece2006.org](http://www.ece2006.org)
- 25 - 28 September, 2006: 55. Deutsche Pflanzenschutztagung „Biotechnologie - Innovationsmotor für den Pflanzenschutz“, Göttingen (Germany). – <http://www.pflanzenschutztagung.de>
- 02 - 04 October, 2006: Meeting of the IOBC/wprs WG "Integrated Plant Protection in Fruit Crops – Sub-Group Stone Fruits", "Workshop on Integrated Stone Fruit Production", Bellegarde (France) Centre Ctifl Balandran. – Local organiser: Jean Lichou, Ctifl, Centre de Balandran, BP 32 - 30127 Bellegarde (France). e-mail: [Lichou@ctifl.fr](mailto:Lichou@ctifl.fr); Convenor Sub-group: Fabio Molinari, Istituto di Entomologia e Patologia vegetale, Facoltà di Agraria, U.C.S.C., Via Emilia Parmense 84, 29100 Piacenza (Italy), e-mail: [fabio.molinari@unicatt.it](mailto:fabio.molinari@unicatt.it)
- 15 - 21 October, 2006: International Conference "Novel And Sustainable Weed Management In Arid And Semi-Arid Agro-Ecosystems", Revohot (Hebrew University, Jerusalem) (Israel). – The organizing Committee: [wgarid@agri.huji.ac.il](mailto:wgarid@agri.huji.ac.il), Prof. Baruch Rubin, J. & R. Liss Professor of Weed Sciences & Agronomy, Hebrew University of Jerusalem, Rehovot 76100 (Israel), e-mail: [rubin@agri.huji.ac.il](mailto:rubin@agri.huji.ac.il), <http://www.agri.huji.ac.il/aridconference>
- 16 - 18 October, 2006: 5th meeting of the Sub-Group "Soil Insect Pests" (previously: Sub-Group "Melolontha") of the IOBC/wprs WG "Entomopathogens and entomoparasitic Nematodes", Research Centre for Agriculture and Forestry, Laimburg, 39040 Auer/Ora (Italy). – Local organiser: Dr. Wolfgang Schweigkofler, Department of Plant Protection, Research Centre for Agriculture and Forestry, Laimburg, 39040 Auer/Ora (Italy). Convenor Sub-group: Dr. Jürg Enkerli, Molecular Ecology,

Agroscope FAL Reckenholz, Reckenholzstrasse 191, 8046 Zürich, Switzerland, Phone +41(0)1 377 7206, Fax +41(0)1 377 7201, e-mail: juerg.enkerli@fal.admin.ch, www.laimburg.it/en/6840.htm

- 23 - 24 October, 2006: Inaugural Annual Biocontrol Industry Meeting (ABIM), Lucerne (Switzerland). – Registration and information about ABIM: [www.abim-lucerne.ch](http://www.abim-lucerne.ch)  
Under the sponsorship of Mrs. Mariann Fischler Boel, European Commissioner for Agriculture, the International Biocontrol Manufacturers Association (IBMA) and the Research Institute of Organic Agriculture (FiBL), announce to the biological plant protection world a new meeting place for:
- presentation of new products, agents, systems, solutions
  - discussion of topics of common interest
  - people, companies and private business meetings.
- ABIM-Lucerne invites producers, distributors, researchers, consultants and users, environmentalists, opinion leaders, regulators, and academia. Starting in October 2006, ABIM-Lucerne will take place annually at the prestigious Lucerne Culture and Convention Centre (KKL). The meeting is associated with the IBMA's Annual General Assembly and national associations meetings. Facilities are available for stands, posters and private business discussions.
- 23 - 25 October, 2006: The BCPC Conference & Exhibition – Crop Science and technology 2006, Glasgow (UK). – [becky.dyer@bcpc.org](mailto:becky.dyer@bcpc.org), <http://www.bcpc.org/>

## 2007

- 12 - 14 March, 2007: 1st Meeting of the IOBC/wprs Study-Group “Integrated Control of Plant Feeding Mites”, Jerusalem (Israel). – Dr. Phyllis Weintraub, e-mail: [phyllisw@volcani.agri.gov.il](mailto:phyllisw@volcani.agri.gov.il)
- May, 2007: 3rd Meeting of the IOBC/wprs Working Group “Integrated Protection of Olive Crops”, Braganca (Portugal). – Local Organizer: JOSE ALBERTO PEREIRA, CIMO/Escola Superior de Braganca, PO Box 1172, 5301-855 Braganca (Portugal), e-mail: [jpereira@ipb.pt](mailto:jpereira@ipb.pt)
- 15 - 18 October, 2007: 16th International Plant Protection Congress *in association with the BCPC International Congress - Crop Science & Technology 2007*, Glasgow (UK). – [md@bcpc.org](mailto:md@bcpc.org), <http://www.bcpc.org/>
- October, 2007: 5th Meeting of the IOBC/wprs WG "Integrated Protection in Oak Forests", Tlemcen (Algeria). – Claire Villemant, MNHN Entomologie, ESA 8043, 45 rue Buffon, 75005 Paris (France), Tel. +33-140793841, Fax. +33-1-40793699, e-mail: [villeman@mnhn.fr](mailto:villeman@mnhn.fr)
- 2007 WG “Insect Pathogens and Entomoparasitic Nematodes”, Alès (France). – Local Organizer: Dr. Miguel Lopez-Ferber, e-mail: [miguellopez@ema.fr](mailto:miguellopez@ema.fr)

## 2008

- 2008 WG “Integrated Control in Protected Crops, Temperate Climate”, Bleiswijk (The Netherlands). – Local organiser: Pierre Ramakers.

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## EU project DAISIE: European Alien Species Expertise Registry

Within the actual EU project DAISIE (<http://www.europe-aliens.org>) a European Alien Species Expertise Registry has now been established. This registry intends to collect the expertise of experts which may be useful to gather the knowledge on those species which are actually alien in Europe or may become so. Thus, unlike its title, we want to gather the expertise of experts from all over the world, since species alien to Europe come from all over the world.

The expertise registry contains details for individual experts with respect to taxonomic expertise, geographic units, and thematic areas (e.g. distribution, conservation, restoration, ecology, economical impact, genetics, legislation, administration, management, control, biocontrol, pathways, transportation, physiology, risk assessment, taxonomy, systematics).

The expertise registry has only now been set up and grows. We hope to include already within this year a relevant part of experts and expertise. This will enable us to analyze this expertise and to draw conclusions. One of our goals is a paper which may become a political postulation to ameliorate the expertise in those areas where it is not sufficient. You see, it may also become important for yourself, in the long run, to be included into our registry.

Please take the time to register at <http://daisie.ckff.si> the registry should be self explanatory, and it will take you only 5 minutes. Forward this message to other experts which may not have been reached by this mail.

Many thanks and best regards  
Prof. Dr. Wolfgang Nentwig

Zoological Institute, University of Bern  
Baltzerstr. 6  
3012 Bern (Switzerland)  
Tel ++41-31-631-4520, -4511(secretary), Fax -4888  
<http://www.zoology.unibe.ch/nentwig/>

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## Next Issue of Profile

The summer-issue of Profile (number 41) will be edited in July 2006. 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:

**1 June, 2006**

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](mailto:madeleine.buehler@e-maintenance.ch)). Please send your contributions for Profile by e-mail (preferably), email or fax to:

Dr. Horst Bathon  
Institute for Biological Control  
Heinrichstrasse 243  
D-64287 Darmstadt (Germany)

e-mail: [h.bathon@bba.de](mailto:h.bathon@bba.de)  
Tel +49-6151-407225,  
Fax +49-6151-407290



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