



INTERNATIONAL ORGANIZATION FOR BIOLOGICAL CONTROL  
OF NOXIOUS ANIMALS AND PLANTS (IOBC)

# IOBC NEWSLETTER 91

[WWW.IOBC-GLOBAL.ORG](http://WWW.IOBC-GLOBAL.ORG)

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IOBC is affiliated with the International Council of Scientific Unions (ICSU)  
as the Section of Biological Control of the International Union of Biological Sciences (IUBS)

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**PLEASE VOTE FOR THE NEW EXECUTIVE COMMITTEE OF GLOBAL !!!**

You are invited to attend the General Assembly and the Symposia of IOBC Global which will be held during the International Congress of Entomology – August 2012



**1. MESSAGE FROM THE PRESIDENT: THE VALUE OF IOBC**

This is my last editorial as President of IOBC and I would like to use it to briefly acknowledge the involvement of my colleagues from the Executive Committee 2008-2012. A reflection on what we have achieved during our mandate and what we see as main challenges for IOBC Global will be presented at the next General Assembly during the 2012 International Congress of Entomology in Korea.

The dedication of all members of the Executive Committee contributed over the past four years to make IOBC a lively and relevant organization to promote biological control worldwide. When I started my new responsibilities as President of IOBC Global the learning curve was fairly abrupt. I would especially like to thank Joop van Lenteren, our Secretary General, who has provided me with much advice and has served assiduously for IOBC over and above his specific mandate within the Executive Committee. Joop has always been there to guide us through the process. He has been dedicated at work behind and in front the scenes to keep IOBC on a successful pathway. Joop deserves a huge credit for what we accomplished over the past four years.

Barbara Barratt and Jose R. Parra, Vice-Presidents, have been excellent advisor to IOBC. Of significance, they have played a major role to reinforce the relationships between IOBC Global and the Regional sections. They have also contributed extensively to the work of the IOBC Commission on Biological Control and Access and Benefit-Sharing. They both have provided me with valuable and timely input on many pertinent issues.

I extend my sincere thanks to Alberto Urbaneja, Treasurer, who provided extraordinary service to IOBC, from the initial review in 2008 of the financial situation, and the launch of a foundation account in the name of IOBC in Spain, to the countless hours of service he has given to our Organization during his mandate. Alberto is a man of many talents, in addition to keeping an eye on the money coming out and into IOBC, he also actively participate in most activities from our Organization. Finally, it is my pleasure to thank the elected members of the Council of IOBC and the Executive Committees of the Regional Sections, the chairpersons of the Working Groups, the editor of BioControl, and the members of the Commission on Biological Control and Access and Benefit-Sharing. These people are too numerous to mention by name but they have handled many challenges, run several committees and organized a large number of activities to promote both IOBC and the science and applications of biological control. Serving IOBC has informed me about the dedication and hard work that go on behind the scene.

It has been a tremendous honor for me to serve IOBC over the past four years. I have tried to speak passionately about biological control and the need to address the environmental and economical problems that confront our societies. One of the most motivating aspects of being President of IOBC is that you get the opportunity to meet with so many scientists, biological control practitioners, students, industrial and institutional partners as well as people from the media and the general public internationally. I see the value of IOBC as the primary international organization for colleagues having an interest in biological control.

As the General Assembly approaches, we move toward the time when members of the Executive Committee have to be renewed. The election period has arrived. We have excellent candidates and I encourage all IOBC members to support them. To continue the growth of IOBC, so that its beneficial influence can be extended, is a major challenge given the current economic and social climate worldwide. There is no time for contentment and we should all look ahead to make sure that we anticipate future issues and develop proper solutions. However, I have no doubt that the Executive Committee 2012-2016 will maintain the momentum.

Jacques Brodeur  
President IOBC Global  
Université de Montréal  
Québec, Canada

## 2. 16<sup>TH</sup> GENERAL ASSEMBLY OF IOBC GLOBAL, 20 AUGUST, DAEGU, SOUTH KOREA

On Monday 20 August, IOBC Global will hold its 16<sup>th</sup> General Assembly meeting from 18 – 21 hrs (6 – 9 PM) in the Daegu Congress Centre. The exact location will be announced at the site of the International Congress of Entomology (<http://www.ice2012.org/>). You are cordially invited to attend the General Assembly.

The agenda of the meeting is as follows:

1. Welcome, opening of meeting
2. Adoption of the agenda
3. Work done by Executive Committee during period 2008-2011
  - a. International role and achievements of IOBC
  - b. Situation concerning Regional Sections of IOBC
  - c. Situation concerning Working Groups of IOBC
4. Financial situation of IOBC Global 2008-2012 and budget for 2012 - 2018
5. Situation concerning the IOBC Global journal "BioControl"
6. Proposal to simplify the name of IOBC (current name: International Organization for Biological Control of Noxious Animals and Plants; proposed new name International Organization for Biological Control)
7. Appointment of new honorary members of IOBC Global
8. Any other points

Break: invitation for drinks and snacks

9. Keynote lecture by Willem Takken: Can biological control help to eliminate malaria: a case study from Rusinga Island, western Kenya?
10. Election and inauguration of the new Executive Committee
11. New President introduces the new Executive Committee members and presents plans for the coming 4 years.
12. Closing of the meeting

Can biological control help to eliminate malaria: a case study from Rusinga Island, western Kenya?

Willem Takken<sup>1</sup>, Alexandra Hiscox<sup>1</sup> and Richard Mukabana<sup>2</sup>

<sup>1</sup>Laboratory of Entomology, Wageningen University and Research Centre, Wageningen, The Netherlands, <sup>2</sup>International Centre of Insect Physiology and Ecology, Nairobi, Kenya

Current strategies for malaria control depend on mass distribution of bed nets, treated with pyrethroid insecticides (LLINs), indoor residual spraying (IRS) and early diagnosis and drug treatment. This strategy, introduced by the World Health Organization in 2005, has led to significant decrease in malaria incidence and prevalence, notably in Africa. This strategy is threatened, however, by the increasingly reported number of cases of insecticide resistance as well as drug resistance. High levels of insecticide resistance are now common in South, East and West Africa. Non-chemical strategies, with focus on biorational and biological control, are being developed, which are expected to be introduced in areas where resistance prevents effective malaria control. In western Kenya studies are under way that include the biological control of malaria mosquito larvae with *Bacillus thuringiensis israelensis* and entomopathogenic fungi for the control of adult mosquitoes, as well as biorational control using attractant lures. The presentation will show the efficacy of these tools under natural field conditions, and provide an example of a new programme in which these tools are integrated to provide a novel strategy for malaria control.

### **3. AGENDA'S OF THE EXECUTIVE COMMITTEE AND COUNCIL MEETING OF IOBC GLOBAL, 19 AUGUST, DAEGU, SOUTH KOREA**

#### **Agenda of the 5<sup>th</sup> and final meeting of the Executive Committee of IOBC Global 2008-2012, August 2012, Daegu, South Korea**

Attending: Jacques Brodeur (JB, president and chair), Barbara Barratt (BB, vice president), Jose R. P. Parra (JP, vice-president), Alberto Urbaneja (AU, Treasurer), J.C. van Lenteren (JL, secretary general)

1. Opening of meeting and welcome (JB).
2. Adoption and signing of minutes of ExCie meeting May 2011 (JB)
3. Adoption of the draft agenda (JB).
4. Financial situation IOBC Global (AU).
5. Overview of activities of Regional Sections (JL).
6. Overview of activities of IOBC GLocal Working Groups (JL)
7. IOBC Global Commission on Biological Control and Access and Benefit Sharing (JB)
8. Website Global (JL, ALL)
9. Newsletter Global (JL, ALL)
10. Report about state of affairs of journal BioControl (JL)
11. Statutes, By-Laws and Guidelines Working Groups and Regional Sections (JL)
12. Proposal change of name of IOBC Global (JB)
13. IOBC writing partnership (JL)
14. Relationship with other organizations (JL, JB)
15. IOBC Archive (JL)
16. Selection and appointment of honorary members (JB, JL)
17. Training / courses on biocontrol / IPM in developing countries/ course book (ALL)
18. Bellagio meeting "Frontiers in Biological Control" (JB)
19. Any other points
20. Closing of meeting (JB)

#### **Agenda of the 3<sup>rd</sup> and final meeting of the Council of IOBC Global 2008-2012, August 2012, Daegu, South Korea**

Attending: all members of Executive Committee, Council members of APRS, NRS, NTRS and WPRS, apologies of ATRS and EPRS

1. Opening of meeting, welcome and introduction of participants (JB).
2. Adoption of the draft agenda (JB).
3. Finances, report auditing committee, budget proposal 2012-2016 (AU).
4. Overview of activities of 6 Regional Sections (ALL)
5. Overview of activities of current IOBC Working Groups (JL)
6. Report IOBC Commission on Biological Control and Access and Benefit Sharing (JB)
7. Website Global (JL, ALL)
8. Newsletter Global (JL, ALL)
9. Report about state of affairs of journal BioControl (JL)
10. Statutes, By-Laws and Guidelines Working Groups and Regional Sections (JL)
11. Election Procedure Executive Committee Global (JL)
12. Proposal change of name of IOBC Global (JB)
13. Future of IOBC Global Scientific meetings (JB)
14. IOBC writing partnership (JL)
15. Relationship with other organizations (JL, JB)
16. IOBC Archive (JL)
17. Training / courses on biocontrol / IPM in developing countries/ course book (JB, JL)
18. Any other business (ALL)
19. Closing of meeting (JB)

#### 4. IMPORTANCE AND ACHIEVEMENTS OF IOBC

- IOBC is the only truly worldwide organization representing research in biological control in various global, regional and national organizations (e.g. IUBS, FAO, EC, ICE) for more than 50 years
- IOBC was the first to develop IPM guidelines for all major crops in Europe and has since continued to contribute to the development of principles of sustainable agriculture, e.g. guidelines on Integrated Production.
- IOBC initiated and co-developed Guidelines for the export, shipment, import and release of biological control agents and other beneficial organisms (International Standard for Phytosanitary Measures Number 3, 32 pages, 2005; Secretariat of the International Plant Protection Convention; available at [www.FAO.org](http://www.FAO.org))
- IOBC initiated and co-developed methods to test side effects of pesticides on natural enemies, which are now the official standard for testing side effects in the European Union pesticide registration procedure and published as the EPPO standard for Environmental Risk Assessment Scheme for Plant Protection Products, Chapter 9, PP 3/9, EPPO Bulletin 33, 99-131; available at [http://archives.eppo.org/EPPOStandards/PP3\\_ERA/pp3-09\(2\).pdf](http://archives.eppo.org/EPPOStandards/PP3_ERA/pp3-09(2).pdf).
- IOBC initiated and co-developed with the natural enemy producers guidelines for mass production and quality control of beneficial organisms (see: <http://www.amrqc.org>).
- IOBC co-developed with OECD a document on Guidance for Information Requirements for Regulation of Invertebrates as Biological Control Agents (IBCA) (OECD Series on Pesticides Number 21, Environment Directorate; Organisation for Economic Co-Operation and Development, Paris 2003, 22 pages; Available at <http://www.oecd.org/dataoecd/6/20/28725175.pdf>).
- IOBC Global and WPRS co-developed a tiered method for environmental risk assessment of natural enemies (Assessing risks of releasing exotic biological control agents of arthropod pests. Annual Review of Entomology, 51, 2006: 609-634. + supplemental material)
- IOBC contributed information on biological control and biodiversity to the FAO report “Genetic resources of importance to agriculture” (FAO, 2007).
- IOBC reviewed and made important contributions to paragraphs on sustainable agriculture and pest management in the UN-coordinated International Assessment of Agricultural Science and Technology for Development (UN, 2008).
- IOBC wrote, on request of FAO, a report on The use and exchange of biological control agents for food and agriculture (2009. Report prepared for the FAO Genetic Resources Commission by the IOBC Global Commission on Biological Control and Access and Benefit Sharing. IOBC, Bern, Switzerland: 88 pp.; <ftp://ftp.fao.org/docrep/fao/meeting/017/ak569e.pdf>). The full text of the FAO report can be downloaded from: [http://www.fao.org/nr/cgrfa/cgrfa-back/en/?no\\_cache=1](http://www.fao.org/nr/cgrfa/cgrfa-back/en/?no_cache=1)
- IOBC wrote a vision paper on the issue of Access and Benefit Sharing (ABS) for the journal BioControl, entitled “Do new Access and Benefit Sharing procedures under the Convention on Biological Diversity threaten the future of Biological Control?” (2010. Do new Access and Benefit Sharing procedures under the Convention on Biological Diversity threaten the future of Biological Control? BioControl; [www.springer.com/life+sci/entomology/journal/10526](http://www.springer.com/life+sci/entomology/journal/10526)).
- IOBC takes part in meetings related to ABS in order to make the interest of the biological control community clear in obtaining a non-monetary, harmonized ABS procedure.
- IOBC works together with the European Plant Protection Organization (EPPO) in the Joint EPPO/OIBC Panel on Biological Control Agents on the production of list of biological control agents widely used in the EPPO region (the so-named positive list) and of a list with deletions from the positive list.
- IOBC recently agreed with EPPO to form an expert group for evaluation of exotic natural enemies proposed for first time release in Europe (May 2012).
- IOBC financially supports many biological control and IPM related meetings.



- IOBC financially supports the revision and updates of the CABI BIOCAT database on biological control.
- IOBC financially supported and provided training staff for the first international course on Biological Control held in La Plata, Argentina (2012) and will support the next course to be organized in Colombia in 2013.

## 5. ELECTION OF THE NEW EXECUTIVE COMMITTEE OF GLOBAL 2012 - 2016

You will find a voting form attached to the email with the newsletter: please fill it in and send it SIGNED as pdf file OR by normal post to one of the members of the Election Committee (Marilyn Steiner at sgoodwin.msteiner@gmail.com; Biocontrol Solutions 2733 Wisemans Ferry Road Mangrove Mountain NSW 2250, AUSTRALIA, or Rob Wiedenmann at rwieden@uark.edu; Department of Entomology, AGRI 319, University of Arkansas, Fayetteville, AR 72703 USA).

### **Election of new Executive Committee.**

The current Executive Committee and Council have developed a new election procedure which makes it officially possible to vote via email, while voting by normal mail is still possible. The election procedure is as follows:

Accession procedure for candidates: A call for candidates for the Executive Committee of IOBC Global is announced in three Global newsletters starting 1.5 years before the election will take place and (2) sent to all Regional Sections at the same time the newsletters will be sent out. Nominations supported by 10 regular members may be sent with the written consent of the nominee to the Secretary General at least 1 month before the dispatch of the voting documents, i.e. 5 months before the General Assembly. Nominations should include a short biography, and a motivation why the person qualifies for a specific function in the Executive Committee member.

Candidate lists: All nominations received by the Secretary General will be sent to the Council. The Council will draft candidate lists, possibly with alternatives for each function, and propose a list of candidates to the Executive Committee. All nominations shall be submitted for a ballot to all regular members by the Secretary-General at least 3 months before the closing date, i.e. 1 month before the General Assembly. Voting documents should be sent by regular post or email to the Election Committee (see below). If sent by email, the document should bear the signature of the person who voted.

Election procedure: Two IOBC members who are not functioning in the Executive Committee or Council will be asked by the Executive Committee after consultation with the Council, to form the Election Committee. The Election Committee will count the votes at the end of the voting period (i.e. 1 month before the General Assembly) and report to the Council 3 weeks before the General Assembly.

Two IOBC members have agreed to function as Election Committee: Marilyn Steiner (Australia) and Rob Wiedenmann (United States of America).

The current Executive Committee has announced the possibility to send proposals for candidates in a number of newsletters and in correspondence with the Council and the Regional Sections. Disappointingly, we have not received nominations and it was, therefore, not necessary to send nominations to the Council to prepare a draft a candidate list with alternatives. The Executive Committee has approached several potential candidates and drafted the candidate list which is given below.

**Candidates for the Executive Committee of IOBC Global 2012 – 2016.**

President: Barbara Barratt (New Zealand)  
 Secretary General: Russell Messing (USA)  
 Treasurer: Josep Jacas (Spain)  
 Vice President: Jianqing Ding (China)  
 Vice President: Joop van Lenteren (The Netherlands)  
 Past President: Jacques Brodeur (Canada)

***President: Barbara Barratt (New Zealand)***

Barbara Barratt has been a member of IOBC since 2006 and is currently vice-president of Global IOBC and Secretary General of the APRS (and formerly vice-president). Since being a member of the Executive Committee she has served as a member of the Commission on Access and Benefit-Sharing and Biological Control, and contributed to meetings, reports and publications of the Commission. In this regard she has worked with NZ government departments responsible for ABS negotiations and promoted the case for biological control to be considered favourably within that context. Barbara has represented IOBC at conferences in Australia, New Zealand and China. She will work with

the Committee to promote IOBC and increase membership and engagement between biological control researchers internationally.

***Secretary General: Russell Messing (United States of America)***

Russell Messing received his MS and PhD degrees from Oregon State University, and completed a post-doctoral fellowship at the *Institut National de la Recherche Agronomique* (INRA) lab in Antibes, France. He is currently Professor and Entomologist in the College of Tropical Agriculture and Human Resources (CTAHR) at the University of Hawaii at Manoa, where his research focuses on parasitoid ecology and biological control of insect pests impacting both natural and agro-ecosystems throughout the Islands. He has been a member of IOBC for twenty years, as a member of the Nearctic Regional Section, and has been active in several global working groups, including Arthropod Mass Rearing and Quality Control, Ecology of Aphidophaga, and Fruit Flies of Economic Importance. In North America, he has been a regular participant in the National Institute of Food and Agriculture (NIFA, formerly CSREES) Western Regional Research Program: Biological Control in Pest

Management Systems of Plants. He also serves on the editorial board of the journal *Biological Control*. He hopes to contribute to the Executive Committee of IOBC Global in the coming term to foster communication among biocontrol practitioners worldwide, and to help cultivate and promote the study and application of biological control among young entomologists.

***Treasurer: Josep Jacas (Spain)***

Josep A. Jacas has since 1991 been involved in different IOBC Working Groups, including “Pesticides and Beneficial Organisms”, “Integrated Control in Citrus Fruit Crops “ and “Plant Feeding Mites”. In 2004, he joined the Commission on Harmonization of Regulation of Invertebrate Biological Control Organisms (CHIBCA), and since 2008 he has been one of the IOBC representatives at the EPPO-IOBC Joint Panel “Safe use of biological control agents”. He is currently Professor at Universitat Jaume I de Castelló (Spain). His research interests are focused on the biology, ecology and population dynamics of insects and mites of economic importance and their management with emphasis in biological control. He would be happy to join the Executive Committee of IOBC Global, and, through IOBC, to increase awareness of biological control among different stakeholders, from growers to consumers and policy-makers.

***Vice President: Jianqing Ding (China)***

Jianqing Ding (1965, China) is Research scientist and program leader of the Invasion Ecology and Biocontrol Lab, Wuhan Botanical Garden/Institute of the Chinese Academy of Sciences in Moshan, Wuhan, Hubei Province in China. He joined IOBC in the early 1990s. He has been a member of the IOBC Water Hyacinth Working Group since 1998. He served as convener of the 2<sup>nd</sup> IOBC Water Hyacinth Working Group meeting in Beijing, China in 2000. With his 20 years experience on biological weed control, he will work with other committee members and IOBC colleagues to contribute to a further growth of IOBC Global and its Regional Sections, especially for the development in Asia. His expertise on invasion biology will put him a position to link biological control to ecology of invasive species and promote IOBC greatly advocated among ecologists.

He is also willing to be involved in other IOBC missions, such as training and information sharing, journal publications and organizing of conferences/meetings.

***Vice President: Joop van Lenteren (The Netherlands)***

Joop van Lenteren has worked with IOBC since 1976, first as member of the IOBC/WPRS Greenhouse IPM working group, next as member of several other IOBC/WPRS and Global working groups, as convener of the Greenhouse IPM working group and as co-convener of the Egg Parasitoid working group. Within IOBC/WPRS he has served as Council member, and in IOBC Global he served as President, Vice President and Secretary General. During the past 8 years he has worked with the Council and Executive Committee of IOBC Global to improve the functioning of IOBC, to create a healthy financial situation and to revive several Regional Sections that were rather inactive. Together with the other Executive Committee members, he



stimulated intensification of the relationship with FAO (the United Nations Food and Agricultural Organization) and EPPO (the European Plant Protection Organization) and worked in collaboration with these organizations, particularly on Environmental Risk Assessment, Harmonization of Regulation of Biological Control Agents, Quality Control of Natural Enemies, and Access and Benefit Sharing of Biological Control under the umbrella of the Convention of Biological Diversity. During the next term of the Executive Committee of IOBC Global, he intends to contribute to a further growth of IOBC Global and its Regional Sections. Further he will invest time in trying to realize a harmonized registration system for biological control agents and continue his activities in Access and Benefit Sharing procedures under the Convention on Biological Diversity.

## 6. IOBC GLOBAL SYMPOSIA DURING THE 2012 ENTOMOLOGY CONGRESS



August 19-25, 2012 / EXCO, Daegu, Republic of Korea

IOBC Global is proud to announce that the South Korea Entomology Congress will host 4 symposia that will be organized by IOBC. The symposia titles are:

1. *Can we better select and manipulate biological control agents when we know their genomics?*
2. *International Exchange and Risk Assessment of Biological Control Agents*
3. *Will new Access and Benefit Sharing procedures impede biological control of invasive insects?*
4. *Environmental benefits and risks of Biological Control*

More news about the IOBC symposia can be found at [www.ice2012.org](http://www.ice2012.org)

## 7. IOBC NTRS AND GLOBAL IN COLLABORATION WITH THE SCHOOL OF BIOLOGICAL SCIENCES, NATIONAL UNIVERSITY OF LA PLATA (ARGENTINA) HELD THE FIRST IOBC BIOLOGICAL CONTROL COURSE IN ARGENTINA, MARCH 2012



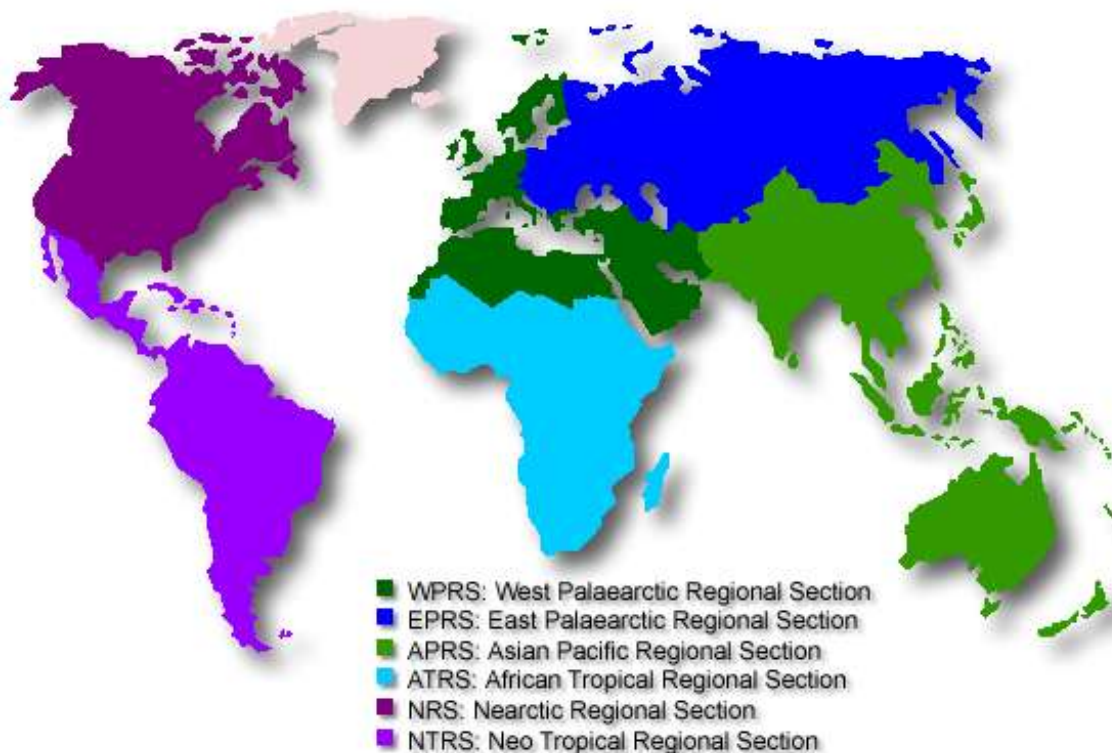
IOBC  
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A very successful Biological Control Course was held in La Plata, Argentina in March 2012. About 30 participants from 5 Latin American Countries took part. We will report about this course in the next newsletter of IOBC.

We hope to organize the second course in 2013 in Colombia

(contact: [mrmanzanom@palmira.unal.edu.co](mailto:mrmanzanom@palmira.unal.edu.co) )

## 8. REGIONAL SECTIONS OF IOBC



Short information of all the Regional Sections, with a link to their websites, can be found on [www.IOBC-Global.org](http://www.IOBC-Global.org).

**ASIA AND THE PACIFIC REGIONAL SECTION (APRS)**

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**Vice Presidents:** Prof. Shu-Sheng Liu (Zhejiang University, China), Institute of Insect Sciences, Zhejiang University, 268 Kai Xuan Road, Hangzhou 310029, People's Republic of China, Tel. (86-571) 86971505, Fax (86-571) 86049815, E-Mail: shshliu@zju.edu.cn

Dr. Takatoshi Ueno, Institute of Biological Control, Kyushu University, Fukuoka 812-8581, JAPAN, Tel. +81-92-642-3036 (office), Fax.+81-92-642-3040, E-mail: ueno@grt.kyushu-u.ac.jp

**Secretary General:** Dr. Barbara Barratt, Programme leader for Biosecurity at AgResearch in New Zealand. Private Bag 50034 Mosgiel New Zealand, Email: barbara.barratt@agresearch.co.nz.

**Treasurer:** Gary Leason BSc, Organic Crop Protectants Pty Ltd, 42 Halloran St, NSW 2040 AUSTRALIA, garyl@ocp.com.au

**Past President:** Prof.dr. Eizi Yano

Website with all relevant information about APRS: <http://iobc-aprs.org>

**AFROTROPICAL REGIONAL SECTION (ATRS)**

We are still looking for candidates who are willing to organize and run this section. It is disappointing that after a lot of correspondence and exchange of ideas, we have not been able to form an Executive Committee in this region where so much biological control is applied.

**EAST PALEARCTIC REGIONAL SECTION (EPRS)**

**President:** Dr. Danuta Sosnowska. Institute of Plant Protection, Department of Biocontrol and Quarantine, 60-138 Poznan, Mieczurina Str. 20, Poland.

Email: D.Sosnowska@ior.poznan.pl

**Vice-President:** Prof. Milka Glavendekic. University of Belgrade, Faculty of Forestry, Belgrade, Serbia; e-mail: milka.glavendekic@sfb.bg.ac.rs

**Vice-President:** Prof. V. Dolzenko, All-Russian Plant Protection Institute, St. Petersburg, Russia

**General Secretary:** Dr. Yuriy Gninenko, All-Russian Research Institute for Sylviculture and Mechanization of Forestry, e-mail: gninenko-yuri@mail.ru

**Executive secretary:** Dr. Edvard Sodomov, Moscow, Russia

**Past President:** Dr. Istvan Eke, Hungary

**NEARCTIC REGIONAL SECTION (NRS)**

**President:** Doug Landis, Center for Integrated Plant Systems, Michigan State University, East Lansing, MI. landisd@msu.edu

**President-Elect:** Jonathan Lundgren, USDA-ARS, South Dakota, jonathan.Lundgren@ars.usda.gov<mailto:jonathan.Lundgren@ars.usda.gov>

**Past President:** Les Shipp, Agriculture and Agri-Food Canada, Harrow, Ont., N0R 1G0 Canada. Email: shippl@agr.gc.ca

**Vice-President:** Michael Brownbridge, Vineland Research & Innovation Centre, Ontario, Michael.Brownbridge@vinelandresearch.com<mailto:Michael.Brownbridge@vinelandresearch.com>

**Secretary Treasurer:** Stefan Jaronski, Pest Management Research Unit, Northern Plains Agricultural Research Laboratory, USDA-ARS, Sidney, MT. bug@midrivers.com

**Corresponding Secretary:** Donald Weber, USDA-ARS, Maryland, Don.Weber@ars.usda.gov

**Board Members-at-Large:** Steve Naranjo, USDA-ARS, Arizona, Steve.Naranjo@ars.usda.gov<mailto:Steve.Naranjo@ars.usda.gov>

Paula Shrewsbury, Univ. of Maryland, pshrewsbury@umd.edu<mailto:pshrewsbury@umd.edu>

Cynthia Scott-Dupree, Univ. of Guelph, cscottdu@uoguelph.ca<mailto:cscottdu@uoguelph.ca>

NRS recently revamped its website: take a look at informative site [www.iobcnrs.com](http://www.iobcnrs.com),



And read the NRS Spring Newsletter: <http://www.iobcnrs.com/index.php/newsletter>

### NEOTROPICAL REGIONAL SECTION (NTRS)

**President:** Pof. dr. Maria Manzano, Universidad Nacional de Colombia, sede Palmira, Colombia.

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**Corresponding Secretary:** Dr. Maria Gabriela Luna – CEPAVE, Argentina  
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**Secretary-Treasurer:** Dr. William Cabrera, South American Biological Control Laboratory, Agricultural Counselor American Research Service Laboratory, USDA--ARS, U.S. Embassy–Buenos Aires. Unit 4325, APO AA 34034–0001.

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**Vice President 1:** Dr. Yelitza Colmenares – CABi Caribbean and Latin America, Trinidad Tobago  
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**Vice President 2:** Dr. Rosário Alzugaray – INIA – La Estanzuela, Uruguay ([ralzugaray@inia.org.uy](mailto:ralzugaray@inia.org.uy))

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Website with all relevant information about NTRS: <http://ntrs.iobc.info/>

### WEST PALEARCTIC REGIONAL SECTION (WPRS)

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Website with all relevant information about WPRS: [www.iobc-wprs.org](http://www.iobc-wprs.org)

## 11. WORKING GROUPS OF IOBC GLOBAL

Below, we only present limited information about the Working Groups, most information is regularly updated on the websites of the working groups or the website of IOBC Global.

### WG ARTHROPOD MASS-REARING AND QUALITY CONTROL

**Dr. P. De Clercq**, Laboratory of Agrozoology, Department of Crop Protection, Faculty of Bioscience Engineering, Gent University, Belgium. Email: [Patrick.DeClercq@ugent.be](mailto:Patrick.DeClercq@ugent.be); **Dr. T. Coudron**, USDA-ARS, Columbia, Missouri, USA. Email: [coudront@missouri.edu](mailto:coudront@missouri.edu)

See website for details on future activities and for proceedings of meetings: [www.amrqc.org](http://www.amrqc.org)



### WG ECOLOGY OF APHIDOPHAGA

**Convenor:** IOBC Contact: **Dr. J.P. Michaud** (USA) Associate Professor of Entomology, Kansas State University Agricultural Research Center-Hays 1232 240th Ave. Hays, KS, 67601. Email: jpmi@ksu.edu. Co-convenors: Kris Giles, Nick Kavallieratos, Carlo Ricci, Wolfgang Weisser.

See website for future activities: [www.aphidophaga.org](http://www.aphidophaga.org)

### WG BIOLOGICAL CONTROL OF CHROMOLAENA ODORATA (SIAM WEED)

**Convenor:** Dr. Costas Zachariades, ARC-PPRI, Private Bag X6006, Hilton, 3245 South Africa; Tel 033-3559418, cell 0833152100, fax 033-3559423. Email: ZachariadesC@arc.agric.za

Please visit the webpage of the Working Group at <http://www.arc.agric.za> ( <http://www.arc.agric.za/> ) 'Quick Links' or <http://www.arc.agric.za/home.asp?pid=5229>

### WG BIOLOGICAL CONTROL OF PLUTELLA

**Convenors:** **Dr. A.M. Shelton**, Department of Entomology, Cornell University, New York State Agricultural Experimenta Station, 416 Barton Lab Geneva, NY 14456, USA. Tel: +1-315-787-2352. Fax: +1-315-787-2326. Email: ams5@cornell.edu. **Dr. A. Sivapragasam**, Strategic, Environment and Natural Resources Centre, MARDI, Kuala Lumpur, Malaysia. Email: sivasam@mardi.my. **Dr. D.J. Wright**, Department of Biology, Imperial College at Silwood Park, Ascot, Berkshire, UK. Email: d.wright@ic.ac.uk

See website for future activities: <http://www.nysaes.cornell.edu/ent/dbm/>

### WG BIOLOGICAL CONTROL OF WATER HYACINTH

**Chairman:** **Dr Martin Hill**, Department of Zoology and Entomology, Rhodes University, P.O. Box 94, Grahamstown, 6140, South Africa. Email: m.p.hill@ru.ac.za

Website: [www.waterhyacinth.org](http://www.waterhyacinth.org)

### WG EGG PARASITIDS

This activities of this global working group have been be terminated since 2010.

### WG BENEFITS AND RISKS ASSOCIATED WITH EXOTIC BIOLOGICAL CONTROL AGENTS

**Convenors:** **Dr. P. Mason & Dr. G. Heimpel.** Contact: Dr. Peter Mason, Agriculture and Agri-food Canada, Neatby Building Central Experimental Farm, 960 Carling Avenue, Ottawa, Ontario, K1A 0C6 Canada. Email: masonp@agr.gc.ca

### WG IWGO – OSTRINIA AND OTHER MAIZE PESTS

**Convenors:** **Dr. U. Kuhlmann**; CABI-BioScience; Head Agricultural Pest Research CABI Bioscience Switzerland Centre, Delémont; Switzerland, Email: u.kuhlmann@cabi.org. **Dr. C. R. Edwards**; Purdue University; Dep. of Entomology; Indiana; USA; Email: richedwards@entm.purdue.edu. **Prof. Dr. Wang Zhenying**; Institute of Plant Protection of the Chinese Academy of Agricultural Sciences, Beijing, P.R. China, Email: zywang@ippcaas.cn

All relevant data, reports and future meetings are published on the IWGO website: <http://www.iwgo.org>

### GLOBAL WG ON BIOLOGICAL CONTROL AND MANAGEMENT OF PARTHENIUM WEED

**Convenor:** **Kunjithapatham Dhileepan**, [Kunjithapatham.Dhileepan@deedi.qld.gov.au](mailto:Kunjithapatham.Dhileepan@deedi.qld.gov.au)

**GLOBAL WG ON TRANSGENIC ORGANISMS IN IPM AND BIOCONTROL**

**Convenors:** **Dr. Angelika Hilbeck**, Swiss Fed. Inst. of Technology, Geobotanical Institute, Zurichbergstr. 38, CH-8044, Zurich. Tel: +41 (0) 1 632 4322. Fax: + 41 (0) 1 632 1215. Email: angelika.hilbeck@env.ethz.ch. **Dr. Salvatore Arpaia**, Italy. Email: arpaia@trisaia.enea.it. **Dr. Nick Birch**, UK. Email: n.birch@scri.sari.ac.uk. **Dr Gabor Lovei**, Denmark. Email: gabor.lovei@agrsci.dk;

**12. LATEST NEWS**

This is the last newsletter that I edited. I started in 2004 with number 75, so during the past 8 years, 22 newsletters have been produced. They are all available at the IOBC Global website. I would like to thank all persons who contributed material, and also the many persons who reacted to articles and information which appeared in the newsletter.

**Next newsletter (issue 92) will be published in December 2012.**