



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

IOBC NEWSLETTER 84

[WWW.IOBC-GLOBAL.ORG](http://www.iobc-global.org)

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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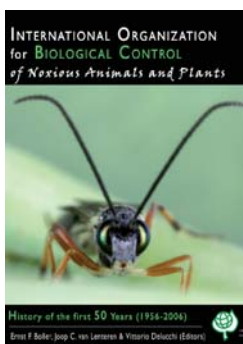
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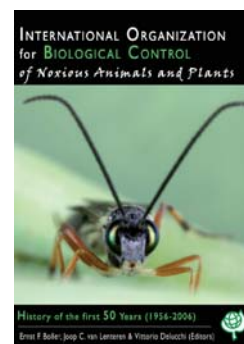
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Some copies of “IOBC: History of the first 50 years”
are still available.

Order your copy (10 Euro or 15 US\$) by emailing
Joop.vanLenteren@wur.nl

PDF files of previous newsletters can be found at
www.iobc-global.org



1. EDITORIAL

Biological Control in an Era of Globalization

As new President of IOBC, I would like to take this opportunity to thank you sincerely for this privilege. It was a great honour and a pleasure for me to assume my position on the Executive Committee at the General Assembly in Durban, South Africa.

The success of IOBC depends on the efforts of volunteers. On behalf of all members, I would like to acknowledge the outstanding contribution of the former Executive Committee and thank the five colleagues, Prof. Dr. Joop van Lenteren (President), Dr. Marilyn Steiner (Vice-President), Dr. Eize Yano (Vice-President), Dr. Lise Stengard Hansen (Treasurer) and Prof. Dr. Stefano Colazza (General Secretary), who gave graciously of their time and dedication to serve and help to move IOBC forward. Joop van Lenteren did a tremendous job leading IOBC over the last four years, and he deserves our appreciation for having taken on so much of the work himself. I am very pleased to have him on board as General Secretary of the new Executive Committee, where his broad knowledge of IOBC Global will be much appreciated. I extend a warm welcome to the other members of the 2008-2012 Executive Committee. Dr. Barbara Barratt and Prof. Dr. Jose Parra will serve as Vice-President, and Dr. Alberto Urbaneja will act as treasurer of the Organization.

I have been involved in a number of Scientific Societies since I started as a graduate student in ecology. As time flies, I realize more and more how unique is IOBC. In their book entitled 'International Organization for Biological Control of Noxious Animals and Plants – History of the First 50 years (1956-2006)' Ernst Boller, Joop van Lenteren and Vittorio Delucchi elegantly described typical features of IOBC:

- an entirely independent organization with high international reputation;
- a low budget organization run on a voluntary and honorary basis by a motivated community of scientists and practitioners;
- an organization with a long tradition and reputation as a trend-setter, addressing emerging fields of interest in sustainable agriculture and forestry;
- an effective and influential organization without public relation managers.

Both as an individual and a scientist I feel very comfortable within such an organization.

The Executive Committee has a working plan in mind for the next four years. It is naturally in a preliminary phase and will evolve through time. We first intend to consolidate several original and opportune activities that were initiated by the former Executive Committee (2004-2008). For instance, IOBC must continue to expand its commitment to educational programs by maintaining the production of the IOBC Internet book of biological control and supporting the organization of courses in Africa, Asia and Latin America. The publication of a course manual/book on biological control in different languages could greatly help such initiatives. We also want to maintain the writing partnership that has been put in place linking well-established scientists in biological control with those from developing countries who aspire to publish their work in high-quality journals.

Some important issues from years past remain, and we are dedicated to finding ways of resolving a number of them. In particular, within IOBC Global, we wish to conclude the revival of activities of some regional sections, mainly the Afro Tropical Regional Section. We are also dedicated to maintaining an active role in the area of biosafety of biological control, a major international issue for the last decade. IOBC will maintain its leadership role, by providing guidance on exploration, import and release of biocontrol agents, as well as the publication of black/white lists of natural enemies. Furthermore, the Executive Committee has already put together a new Commission to provide scientific advice for the establishment of an international regime addressing the access and benefit-sharing of biological control agents (see below).

An important mission of the new Executive Committee will be to intensify the globalization of IOBC. We now live and work in a connected world and networking is, more than ever, not only essential for conducting research but also for influencing environmental policies at regional, continental and international scales. IOBC Global is already a true international organization, with members, activities and influence in many parts of the world. But we need to invest additional efforts to intensify the globalization of IOBC and this can be achieved in several ways. First, we must act to maintain/increase the vigor and worldwide activities of IOBC at different levels, from Global to Regional Sections, Working Groups and members. Second, I believe that we should do our best to increase the participation of colleagues working on the biological control of weeds and plant pathogens. Third, we have to promote research and activities related to socio-economic aspects of biological control such as cost/benefit analyses, perception by the general public, or social, legal and ethical views. I will provide more information on these issues in a following newsletter.

It is my pleasure to share these few ideas and projects with you. I welcome your comments and suggestions as these will, undoubtedly help in our efforts to make IOBC more effective. My role as President is not only to bring new perspectives to IOBC, but also to help channel the enthusiasm, energy, ideas and opinions of all members.

Jacques Brodeur
President IOBC Global

2. INTRODUCTION TO THE EXECUTIVE COMMITTEE 2008 - 2012

The following candidates were elected for the various functions of the IOBC Global Executive Committee 2008-2012

President: Prof.dr. Jacques Brodeur (Canada)



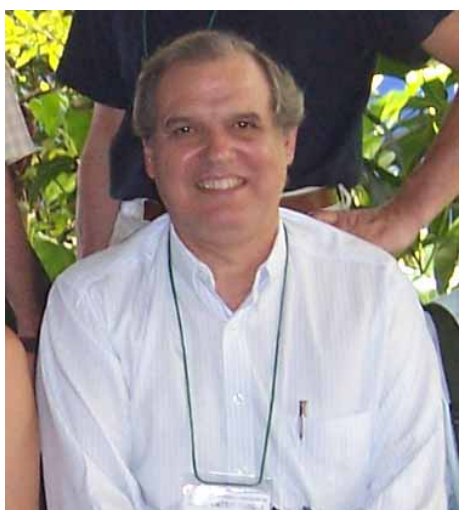
Trained as experimental and theoretical ecologist, Jacques Brodeur obtained a Ph.D. in biology in 1990 from Laval University, (Canada). Upon completing a postdoctoral fellowship at Wageningen University (The Netherlands), he accepted a position in the Département de Phytologie, Laval University. Since 2005 he is a full professor at the University of Montréal, Institut de Recherche en Biologie Végétale, and holds the Canada Research Chair in Biocontrol. For the past 18 years, he has studied the biology and ecology of natural enemies used for biological control of arthropod pests. A long-term goal of his research is to identify the governing ecological principles and mechanisms of multispecies interactions within arthropod communities, and to apply these principles to develop reliable and predictive strategies to best take advantage of biological control agents. He has published a large number of papers on parasitoid and predator ecology, host-parasitoid relationships, hyperparasitism, and the biological diversity of arthropod communities in natural and

managed ecosystems. Dr. Brodeur has recently edited a book on trophic and guild interactions in biological control. He has served on the editorial board of several journals (Biological Control, Biocontrol, Journal of Economic Entomology, The Canadian Entomologist, Biocontrol Files), has been active in a number of professional societies (Société d'Entomologie du Québec, Entomological Society of Canada, Entomological Society of America, International Organization for Biological Control – NRS), and has contributed to the organization of several national and international scientific meetings or symposia.

Vice-President: Dr. Barbara I.P. Barratt (New Zealand)

Barbara I.P. Barratt is a Principal Scientist at AgResearch Ltd, Invermay Agricultural Centre, Mosgiel, NZ. She was trained as an entomologist at the University of Durham (UK) and then moved to NZ to take up a post-doctoral fellowship funded by the NZ National Research Advisory Council, working with the Ministry of Agriculture. Since then she has been employed by MAF, and then AgResearch working mainly in the area of integrated pasture pest management. Barbara's main research programme in the last 10 years has been in the area of biosafety of biological control, supporting the research needs of the regulatory agency in NZ, the Environmental Risk Management Authority (ERMA) and improving their decision-making capability. She leads a multi-agency team of researchers in a coordinated programme developing improved pre-quarantine and quarantine risk assessment for biological control agents, and post-release

environmental impact modelling and validation of ERMA decisions. Barbara was the NZ representative on the OECD working group to develop guidelines for the regulation of invertebrates as biological control agents within OECD countries (1999 - 2002). She has published over 120 peer-reviewed papers. She has been Vice-President of the IOBC-APRS since 2007.

Vice-President: Prof.dr. Jose Roberto P. Parra (Brazil)

José Roberto Postali Parra (1944) is a Full Professor at the Department of Entomology, Plant Pathology and Agricultural Zoology at the College of Agriculture (ESALQ) of the University of Sao Paulo (USP). He is member of the Brazilian Academy of Sciences and of the Academy of Sciences for the Developing World (TWAS). He was trained in Insect Rearing Techniques and Nutrition for Biological Control purposes at the University of Sao Paulo and the University of Illinois, Urbana – Champaign, USA. Since the end of the 1960's he is working in the area of Biological Control and currently he is doing research on Classical and Augmentative Biological control, with emphasis on *Trichogramma* and on the Biological Control of sugarcane and citrus pests. He has published more than 200 peer-reviewed papers, edited books and supervised 50 MDC and 36 PhD students. He was President of Entomological Society of Brazil,

Dean of ESALQ (USP) and received awards from EMBRAPA (Brazilian Institute of Agricultural Research), from the Entomological Society of Brazil and from the Zoological Society of Brazil. He received honours from the state government of Sao Paulo and from the Brazilian government for his contributions in the field of Biological Control.

Secretary General: Prof.dr. Joop C. van Lenteren (The Netherlands)

Joop C. van Lenteren is Professor of Entomology at Wageningen University (The Netherlands), holds honorary professorships at the University of Perugia (Italy) and Beijing Normal University (China), is past-president of the International Organization of Biological Control and fellow of Royal Netherlands Academy of Sciences. He was trained as ecologist / population dynamicist at Leiden University (The Netherlands) and did his PhD research in field of behavioural ecology and population dynamics at the same University. Since 1970, he is active in the following fields: behavioural ecology, biological and integrated control of pests in greenhouses, and sustainable agriculture. Currently he works on (1) the development of methods and protocols for environmental impact evaluation of (exotic) biological control agents, and (2) the design of sustainable cropping systems. He has published more than 200 peer reviewed papers, supervised more than 70 PhD students and 200 MSc students in the Netherlands and abroad. In relation with his work on sustainable agriculture he was member of many foreign missions for, among others, FAO (Food and Agriculture Organization of the United Nations), the Worldbank, the Dutch

Ministry of Foreign Affairs, and for CGIAR institutes.

Treasurer: Dr. Alberto Urbaneja (Spain)

Alberto Urbaneja García is Biological Control Specialist at the Plant Protection Department of the Valencian Institute of Agricultural Research (IVIA, Spain). He was trained as Agricultural Engineer at Lleida University (UdL, Spain), and obtained his PhD from the Politechnical University of Valencia (UPV, Spain) working on conservation biological control in citrus. He has worked for 3 years as R&D manager at Koppert Biological Systems S.L. in Spain. At that moment he was focussed mainly in the implementation of augmentative biological control strategies in greenhouses in South-eastern Spain. He

joined IVIA in 2003 where his extension and research activities include (1) Citrus IPM, where his goal is to move citrus pest management towards techniques based on biological control, and (2) augmentative biological control in vegetables, especially on invasive pests. In both fields, he has studied pest mites, thrips, lepidopteran pests, soft scales, whiteflies, leafminers, borers, fruitflies and their associated natural enemies. He is author or co-author of over 100 professional and trade journal articles, book chapters and extension articles.

3. IOBC GLOBAL COMMISSION ON BIOLOGICAL CONTROL AND ACCESS AND BENEFIT SHARING

Recent developments have made it necessary to form a commission to discuss the problematic situation concerning the finding and use of new natural enemies, which is proposed to function under the name “**IOBC Global Commission on Biological Control and Access and Benefit-Sharing (ABS)**.” The proposal to establish this commission has been sent to all Executive Committee and Council members for agreement. The proposal was unanimously supported. We are now approaching biological control scientists from various Regional Sections to take part in this commission. The following document was prepared to describe the tasks of the commission.

Terms of reference of the “IOBC Global Commission on Biological Control and Access and Benefit-Sharing”

This document defines the mandate of the IOBC Global Commission on Biological Control and Access and Benefit-Sharing (ABS). The activities of this Commission conform to the mission of IOBC Global, i.e. “to promote the development of biological control and its application in integrated control programmes”.

Background . The Convention on Biological Diversity (CBD), signed in 1992, promotes the equitable and respectful sharing of access and benefits to genetic resources. A primary goal is to protect genetic resources that potentially have commercial value for biomedical and agricultural applications. Parties to the Convention on biological diversity have agreed to elaborate an International ABS-Regime to be effective in 2010. In the mean time, several countries have restricted the access to their often unexplored biological resources.

Government policies and regulations on biological diversity can have critical disincentives to biological control. Research on biological diversity, discovery and exportation of new biocontrol agents are now on hold in some countries. The ABS is currently appearing as a constraint to developing and implementing appropriate biological control programmes worldwide. There is a need to reach an international agreement on ABS that would be acceptable to all parties. Attention must be given to the economic, environmental, social and cultural aspects related to the exploitation of the biological diversity.

Mission statement of the IOBC commission on Biological Control and ABS. Through this commission, IOBC Global shall provide scientific advice to oversee and advise the design and implementation of an ABS regime that ensures practical and effective arrangements for the collection and use of biological control agents which are acceptable to all parties. Consensus exists that biological control is an essential approach to sustainable crop protection in both the industrial and developing world. IOBC Global has the resources and experience necessary to play an important role in international crop protection issues.

This mission will be realized by:

1. Increasing the scientific knowledge in the area of biological control and access and benefit-sharing.
2. Documenting the potential for negative consequences of adopting strict regulations about access and benefit-sharing of biocontrol agents.
3. Transferring the knowledge concerning the question of access and benefit-sharing to the scientific community, stakeholders and international parties .
4. Developing linkages/agreements with international partners (CBD, FAO, CABI, ANBP, IBMA, CGIAR).
5. Promoting the development and application of new international conventions on biological control and access and benefit-sharing which respect the Convention on Biological Diversity.

The Commission will seek to accomplish its mission by providing the following services:

1. Participate in and contribute to international workshops/conferences.
2. Develop a data base of ‘exotic’ biological control agents.
3. Document case studies describing how regulations favoured or not the search for and access to new candidate species for biological control agent.

4. Design of a Standard Transfer Agreement for resources (potential biological control agents) to be used by governmental and non-governmental organizations working on biological control, as well as the biological control industry.

The Commission is led by a convener, member of IOBC, who is appointed by the Executive Committee of IOBC-Global. The Commission is formed by 6-8 members. The convener is responsible for initiating, co-ordinating and reporting all activities of the Commission. The Commission should provide an annual report about its activities to the Secretary General of IOBC Global. The information will be published in the IOBC Global newsletter.

It is proposed that IOBC will financially support the activities of the Commission, similar to the support given to its Working Groups. The convener will annually send a request for financial support to the Executive Committee. The convener has the mandate to seek additional funding from the biological control industry and international agencies to support the activities of the Commission.

This effort must be developed carefully over a period of two years to ensure practical and effective arrangement acceptable to all parties. Therefore, the Commission is expected to finish its activities in 2010, but might need to continue activities if not ready. In 2008 CBD established a precise roadmap to elaborate an International ABS-Regime to be effective in 2010. The IOBC Commission should ideally advance in the same way.

Jacques Brodeur & Joop C. van Lenteren, October 2008

4. COUNCIL MEETING AND GENERAL ASSEMBLY HELD IN DURBAN, SOUTH AFRICA, JULY 2008



Old and new Executive Committee IOBC Global meet in Durban. From left to right: Barbara Barratt (New Zealand), Jacques Brodeur (Canada), Stefano Colazza (Italy), Lise Stengard Hanson (Denmark), Alberto Urbaneja (Spain), Roberto Parra (Brazil) and Margaret Steiner (Australia).

During the Durban Entomology Congress, IOBC Global has held four meetings. On Sunday 6 July, an Executive Committee Meeting and a Council Meeting took place. On Monday 7 July, the 15th General Assembly was held. On Tuesday 8 July, the old and new Executive Committee met to discuss an efficient transfer of tasks. The full reports of the Council Meeting and the General Assembly will be published at the website of IOBC Global. Below, a summary is presented of the most important results of both meetings.

Summary of Report on IOBC Global Council Meeting, Sunday 6 July 2008, Durban, South Africa

Chair: Marilyn Steiner, Vice President. Present: Executive Committee (Stefano Colazza, Lise Stengard Hansen, Marilyn Steiner) and Regional Section representatives Masami Takagi (APRS), Danuta Sosnowska (EPRS), Stefan Jaronski (NRS), Fernando Consoli (NTRS), Franz Bigler (WPRS). Absent: Martin Hill (ATRS). Apologies: Joop van Lenteren

Work done by the Executive Committee (Ex Cie) during period 2004-2008. Steiner mentioned that all activities had been reported in the March 2008 Newsletter . Several points concerning the activities of the past period were discussed.

1. The question was raised whether IOBC Global should embark on more activities than it does now? The Council members had no suggestions for further activities, but Brodeur (candidate president) has several suggestions for future activities, which he mentioned in his report to the General Assembly (GA) (see editorial).
2. Situation concerning Working Groups (WGs) related to GMOs (Colazza). There are two WGs, one under IOBC-WPRS (GMOs in integrated plant production) and one under Global (Transgenic Organisms in IPM and Biocontrol). Collaboration is not optimal. The Ex Cie has extensively tried to realize better contacts, but without success. There was extended discussion on this issue. It was agreed that further review was needed by the new Ex Cie. To assist in avoiding similar conflicts, a proposal was made to the Council to include the following sentence in the Guidelines for Regional Sections (RSs) and WGs, as well as in the by-laws of Global and RSs: “Working groups may be initiated under IOBC Global and Regional Sections. Before a new WG is created, the name and scope should be proposed to Global and all RSs”. (see below)
3. Situation concerning other WGs. The Global Working Groups were reviewed. An update on the WG Ecology of Aphidophaga was given. The earlier problems existing between two groups in this area have been solved, the two groups have merged, there is a new committee and the next meeting of this WG is in Perugia, Italy in 2010. There was discussion on the need for other working groups. The Council advised that Global should concentrate on problems that are not already strongly represented by Regional WGs. It is important to think about the need and scope before forming new groups (see advice under point 2).
4. Situation concerning Regional Sections. The main concern is ATRS. Input is required on how to reactivate this region, obtain members, and establish links with institutes. Unfortunately, ATRS was not represented during the meeting.
5. External contacts. IOBC Global has regular contacts with various international organizations (FAO, IAEA, CGIARs, IUBS etc). However, IOBC experiences difficulties with approaching of and collaborating with governments on crop protection policy and the role of biocontrol. Thirty years ago, such contacts resulted in collaboration among various parties in North America and Europe.
6. Guidelines for Working Groups and Regional Sections. These were circulated among Council members and RGs several times during the past four years, and can now be considered approved. They will be published on the website and in the October 2008 Newsletter. There were no additional comments.
7. Honorary and Posthumous Honorary Memberships. The Council previously had approved all suggestions for new Honorary members (10 Posthumous Honorary Members, 8 Honorary members; see website for pictures and CVs). As there is currently no protocol for the election of

Honorary Members, the new Ex Cie will be asked to develop a protocol for nomination and selection of Honorary Members.

8. Difficulty in finding officers for Global, Regional and Working Groups of IOBC. Due to difficulties to find officers, the Council agreed with the proposal that for IOBC functions, retired IOBC members and young members can be appointed in addition to well known senior scientists. There was some discussion on who should be included in the Ex Cie: there are advantages in having at least a core group from one area to facilitate regular communication but disadvantages in being seen to represent only that area. Most important was that they should be active, contributing members.

Finances. Developments during the past period and a budget proposal for the the period 2008-2012 were discussed.

1. The financial situation was rather unclear in 2004 and the newly appointed treasurer had to spent much time on reorganizing the finances and make new appointments with the treasurers of the RSs. As a result of these new appointments and a new contract with the publisher of BioControl, the financial situation is now healthy again.
2. The future financial situation and budget proposal for 2008- 2012 were discussed. An explanation of the various budget items was presented to Council. The budget proposal was accepted.
3. It was agreed to keep a reserve fund, so that situations of extremely low budgets which threatened the survival of IOBC in the past will no longer occur. The Council proposed that the new Ex Cie develops a clear protocol for use of the reserve and to put this protocol in the By-Laws.
4. The issue of how to generate more income for IOBC was discussed. We should continue to strongly encourage participants in WG workshops to join IOBC. Further, we should renew the search for institutional and supporting memberships. Also, the sale of dvd's with case studies showing the success of biocontrol was suggested, as well as the provision of courses in biological control.

Election of new Executive Committee. The Council had agreed during the winter of 2007 to follow the not-yet-officially-approved procedure for the elections of the new Executive Committee. The procedure followed was that: "Nominations shall be submitted to all regular members at least 3 months before the closing date. The voting documents can either be sent by regular post or by email to the Secretary General of IOBC Global. If sent by email, it should be in the form of a signed PDF file." Official agreement is needed from the General Assembly, and then this procedure can be taken up in the statutes of IOBC Global (By-Law 7, but also Article VIII 7 and IX 4h in the Statutes need amending).

By-laws. The Council amends By-laws, the General Assembly has to vote about changes in Statutes. The following changes were proposed by the Executive Committee in the By-laws, and these have been accepted by the Council.

1. Article 1 of the By-laws has been changed in order to specify the dates of payments of Regional Sections to Global. Article 1 now reads: "The annual contributions from the Regional Sections to the global body shall be determined each year by the Executive Committee of the global body and shall remain as stable as possible for each category of membership. They are payable during the first *quarter of the following year*." (previously "...first half of the current year"). The underlined phrase needs to go to the new Ex Cie to consider the wording as this "frequency is not carried out in practice. Also, the amount to go to Global from each RS varies and is not clearly set out. This needs reviewing periodically and should perhaps be more transparent.
2. Article 2 of the By-laws now also specifies the date of payment: "Treasurers of the Regional Sections shall transfer the contributions due to the Treasurer of the global body before the end of *the first quarter of the following year* (previously "...before the end of each year"), a list of all regular members being sent to the Secretary-General as soon as feasible." There was no further comment.

3. Article 3: “An amount of 75,000 Euro (2007 value, to be corrected annually for inflation) or its equivalent in other currency should be kept as reserves of IOBC-Global. Except for the wording underlined, the reserve was supported by most Council members). The Council agreed that the underlined portion should go to the next Ex Cie for further consideration because it is open to misinterpretation.
4. New Article to be included in By-laws on request of Council: “Working Groups may be initiated under IOBC Global. Before a new WG is created, the name and scope should be proposed to Global and all RSs”. The president of WPRS had some concerns about whether this might restrict the autonomy of RSs to set up WGs and will take this back to WPRS. It was argued that the proposed change supported information only and that the new Ex Cie should consider this point. Also to consider whether guidelines on the scope, setting up and disbanding of WGs needs to be more clearly defined.
5. Current Article 11 (By-Laws) needs to be adapted because the name of Entomophaga has been changed. New text to read: “An ad hoc Committee shall decide upon all aspects relating to the Journal *BioControl*.”

Statutes.

1. APRS, ATRS, NRS, NTRS and WPRS have not applied for approval of changes in their Statutes or By-laws. The Ex Cie has reviewed the statutes of these regions and concluded that changes are needed in the statutes of APRS, and proposes that the new Ex Cie will communicate with APRS about these changes.
2. EPRS has drastically revised their statutes as a result of the political changes that took place since 1989. The new statutes of EPRS shall be studied by the new Ex Cie and approved provisionally by the Council and General Assembly later. The Secretary General of EPRS will take this issue back and confer with the EPRS and the new Ex Cie.
3. Filling of vacancy in Ex Cie. Statute Article X 2. states that “Should a position in the Ex Cie become vacant between elections, the Ex Cie may appoint a member to serve in that position for the unexpired period”. Perhaps should be amended to read ‘..to serve in an adjunct capacity for the unexpired period’. It was agreed to leave the position of Past President in place and to forward to the new Ex Cie to consider the wording of the amendment to the Statute and to present to Council and next GA.

Website. Several members suggested that we should create a part of the website only accessible for members to make membership more attractive. On this part with restricted access the following should be provided: Internet Book of Biological Control, full text of bulletins/publications of IOBC, full text of all papers published previously in Entomophaga (Springer has offered this service for IOBC members), services available for members, membership lists. In order to be able to do this, quite some extra work will have to be done by the Regional Sections (like regular check of members) and Global (allowing and blocking access to the site). Council supported the idea of a protected section of the website. However, careful consideration is needed on how much is restricted, for example, the newsletter is good publicity for IOBC Global and should be accessible. More contentious was the issue of whether membership should be listed, even in a protected site. WPPS mentioned privacy laws which would restrict listing, and wished to confer with WPRS. It should be possible to make listing optional, which might remove such objections. Some had concerns that increasing the complexity would require bringing in an official webmaster, at added expense. WPRS uses an official webmaster and it might be possible to enter into an agreement with the same agency. The next Ex Cie is asked to develop this issue further.

Journal *BioControl*. During the previous four years two important developments took place. First of all a new contract was negotiated with Springer resulting in an important annual financial contribution by Springer to IOBC Global. Secondly, a change in Editor in Chief took place, as well as changes of several associate editors. The Journal is doing well, thanks to the enormous amount of work during 10 years by Heikki Hokkanen and the current work by Eric Wajnberg.

Summary of Report on 15th IOBC Global General Assembly, Monday 7 July 2008, Durban, South Africa

Chair: Marilyn Steiner, Vice President.

Issues summarized under the Council Meeting will not be repeated here.

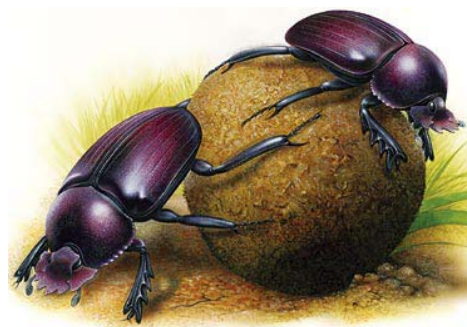
1. Welcome, opening of meeting and adoption of the Agenda. Council members were introduced (all RS representatives were present, plus Steiner, Colazza and Stengard Hansen of Ex Cie). The role of the General Assembly was outlined. The attendees were urged to contribute to the meeting.
2. Work done by Council during the period 2004-2008 was summarized with a PowerPoint presentation.
 - a. International role of IOBC. Question to General Assembly: We are doing many things, should we do more? Should we concentrate on other activities? There were no proposals for changes from the floor. The activities of the outgoing Ex Cie had been substantial.
 - b. The situation concerning Global Working Groups was explained with a PowerPoint overview. There were no objections to the disbanding of the four inactive Global WGs, nor to the formation of the new WG on benefits and risks of BCAs. There were no suggestions for other WGs. The GA was informed that a proposal for an amendment for inclusion in the By-Laws of both Global and the RSs, “that before a new WG is created, the name and scope should be proposed to Global and all RSs” had been accepted in principle by Council.
 - c. The situation concerning the Regional Sections was explained with a PowerPoint overview. Short presentations were made by all six representatives of the Regional Sections, and by B. Barratt on the APRS IOBC Conference in Sydney in February 2008 (WPRS=Dr Franz Bigler; EPRS=Dr Danuta Sosnowski; ATRS=Prof Martin Hill; APRS=Prof Masami Tanaki + Dr B. Barratt; NRS=Prof Stefan Jaronski; NTRS=Fernando Consoli). EPRS outlined that since the breakup of the USSR, contact with many countries had been lost, so membership had declined substantially. Despite this the region had been very active and had held joint meetings where possible. ATRS has been problematic but Martin Hill stated that there will be a meeting later this year to try to revitalise the Region.
 - d. Guidelines for Working Groups and Regional Sections (see also Council report). The Guidelines provide information relevant to IOBC Global- its aims and services, the RS and WG, the statutory bodies and structure, publications, finances, benefits and conditions of membership and country grouping.
 - e. Procedure for Honorary and Posthumous honorary memberships. Background was given that the Ex Cie took the initiative of inviting proposals for Honorary Members on the occasion of the 50th anniversary of IOBC in 2006. Short motivations for candidates were circulated among Council members, who approved all proposals. The next Ex Cie will make a list of new candidates for future appointments. Today, during the General Assembly 10 posthumous honorary members and 8 honorary members will be officially appointed. If possible, family of the posthumous honorary members will be informed. A short biography of all honorary members will be posted on the IOBC Global website following this meeting. The next Ex Cie will be asked to develop a protocol for nomination and selection of honorary members and put this up for approval by Council and General Assembly before the next Council meeting in 2010.
 - f. Appointment of Honorary Members supported by a PowerPoint presentation. The diploma's were handed out to those members and their representatives who were present.
3. Finances. Developments during the past period, the budget proposal for the period 2008-2012 were presented by the treasurer in a PowerPoint presentation. The budget proposal for the coming 4 years has been approved by the Council. During the coming years, much more money can be spent on IOBC Global scientific activities and Working Group activities. It is proposed to continue with the organization of IOBC Symposia during the International Congress of Entomology, and to look for other opportunities to co-organize scientific meetings. For more information, see Council report.

4. Election procedure (Steiner) The information outlined was that Council proposes to change the election procedure. Until now, the election should officially be in the form of a postal ballot. However, the election of the previous Executive Committee in 2004 resulted in very few votes. Therefore, the Council has adapted the sentences concerning voting in the By-laws (By-law 7) as follows: “Nominations shall be submitted to all regular members at least 3 months before the closing date. The voting documents can either be sent by regular post or by email to the Secretary General of IOBC Global. If sent by email, it should be in the form of a signed PDF file.” In relation to these changes in the By-laws, the council also proposes the following changes in the Statutes concerning voting and the General Assembly would need to vote about the following changes in the Statutes:
- Article VIII 7 was: Voting by postal ballot is permitted and is obligatory for elections, changes of Statutes and the dissolution of the Organization. Proposed is now: Voting by *email and/or* postal ballot is permitted, and is obligatory for elections, changes of Statutes and the dissolution of the Organization.
 - Article IX 4 h was: organizing votes by postal ballot. Proposed is now: organizing votes by *email and/or* postal ballot.
- A vote was called for on both these changes, with all voting in favour through a show of hands. The changes were accepted.
5. Website. See Council report.
6. Journal BioControl. A PowerPoint presentation prepared by Eric Wajnberg, editor of BioControl was shown. For more information, see Council report.

Election and inauguration of the new Executive Committee. The Vice President of IOBC Global asked a Council to take the Chair. The Council member reported the results of the Election and proposed the elected persons to be appointed (President J. Brodeur, Secretary General J.C. van Lenteren, Treasurer A. Urbaneja, Vice Presidents B. Barratt and R. Parra,). The new Executive Committee was named as appointed, and the current Executive Committee discharged, with the new President taking the chair. Regrettably, most members of the General Assembly then had to depart to catch the last transit bus back to their hotels, so Prof. Brodeur elected to post his presentation on plans for the coming four years in the next IOBC-Global Newsletter.

(Summaries of meetings made by Joop van Lenteren based on meeting reports made by Marilyn Steiner)

5. IOBC SYMPOSIA AT ICE, JULY 2008, DURBAN SA



IOBC Global organized 4 symposia at the International Congress of Entomology (6-12 July 2008, Durban, South Africa). The symposia were all well attended and the Executive Committee of has received a number of very positive reactions about the scientific quality and importance of the presentations. IOBC Global would like to thank all speakers for their excellent lectures.

Summaries and power point presentations of most papers can be found on the website of IOBC Global. The papers presented in the four symposia are listed below.

1. Symposium "Critical analyses of successes and failures of biological control in Africa".

Organizers and chairpersons: Joop C. van Lenteren and Martin Hill

Introduction of topic by Martin Hill and Joop C. van Lenteren

1. Keynote lecture: Critical analyses of successes and failures of biological control in Africa. P. Neuenschwander (IITA, Benin)
2. Biological control of *Chromolaena odorata* in Africa: some progress made but much more is needed. Costas Zachariades (South Africa)
3. Biological control of aquatic weeds, the Lake Victoria case. James Ogwang (NARO, Uganda)
4. Do microbial control agents have a future in insect control in Africa? (Case: green muscle (*Metharhizium anisopliae*) and locust control). Christiaan Kooyman (various organisations)
5. Biological control of the *Sirex* wood wasp in pine plantations of South Africa. Geoff Tribe (PPRS, South Africa)
6. Biological control as component of IPM for cowpea - Manuele Tamo (IITA, Benin)

2. Symposium "What are ecology's contributions to biological control and vice versa?"

Organizers and chairpersons: Joop C. van Lenteren and Jacques Brodeur

Introduction of symposium topic by Jacques Brodeur and Joop C. van Lenteren

1. Keynote lecture: Competitive exclusion principle and understanding of parasitoid success – Robert F. Luck (USA)
2. Fine tuning of foraging behaviour to increase control impact of natural enemy - Louise E.M. Vet (The Netherlands)
3. Ecology of natural enemy-prey interactions: What can we learn for practical biocontrol? Nick Birch (UK)
4. Intraguild predation and selection of best species for release. Jacques Brodeur (Canada)
5. Chemical and behavioural ecology in insect parasitoids: how to behave optimally in a complex odourous environment? Torsten Meiners & Monika Hilker (Germany)
6. How population dynamic models have contributed (or not) to biological control programmes. Charles Godfray (Great Britain)

3. Symposium "Environmental benefits and risks of biological control".

Organizers and chairpersons: Joop C. van Lenteren and Franz Bigler

Introduction of topic by Franz Bigler and Joop C. van Lenteren

1. Keynote address: How to value environmental risks and benefits. Libby Harrison (New Zealand)
2. How to select a limited number of non-target species for host specificity testing? Peter Mason (Canada)
3. Newest quick scan and comprehensive evaluation methods of environmental risks of exotic natural enemies. Joop van Lenteren & Antoon Loomans (The Netherlands)
4. How did Holland handle the risk evaluation of 150 natural enemies in a few months time? Antoon J.M. Loomans (The Netherlands)
5. Postrelease evaluation of risks: the New Zealand experience. Barbara Barratt (New Zealand)
6. Balancing benefits and risks of biological control. Franz Bigler (Switzerland)

4. Symposium "Can boundaries between biocontrol and GMO's be overcome?"

Organizer: Joop C. van Lenteren, chairpersons Joop C. van Lenteren, Marcel Dicke and Franz Bigler

Introduction of topic by Franz Bigler and Joop C. van Lenteren

1. Keynote address: Effects of insect resistant GMO crops on nontarget organisms. Louise Malone & Maureen O'Callaghan (New Zealand)
2. GMO crops and biological control: what are the concerns and how to address them? Nick A. Birch (Scotland)
3. Insect resistant transgenic crops, an opportunity for biological control? Franz Bigler (Switzerland)
4. Using GM to enhance bodyguard attraction in crops. Marcel Dicke (The Netherlands)

5. Field performance of transgenic crops: do they frustrate biological control? Gary Fitt (Australia)
6. Commercial use of transgenic crops, their effect on biodiversity and natural enemies. Graham Head (USA)

6. IOBC INTERNET BOOK ON BIOLOGICAL CONTROL

The FIFTH EDITION of the IOBC INTERNET BOOK OF BIOCONTROL IS OUT: see IOBC-Global.org

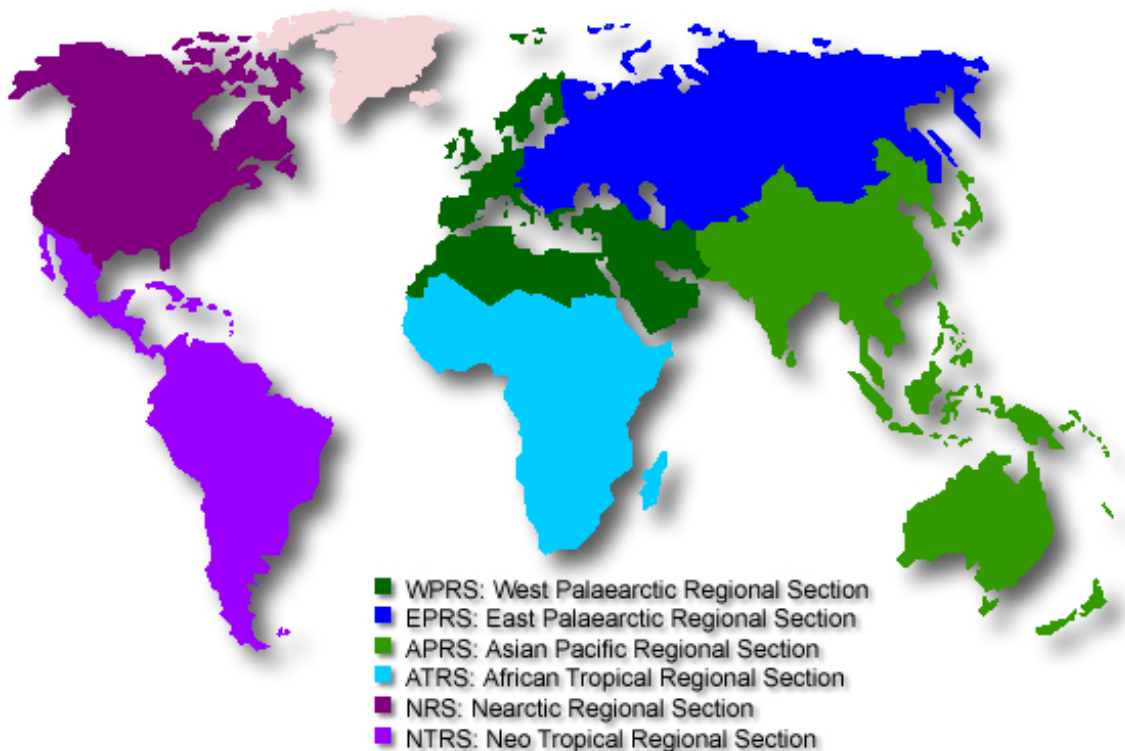


IOBC Internet Book of Biological Control

Aim: to present the history, the current state of affairs and the future of biological control in order to show that this control method is sound, safe and sustainable

The fifth edition of the book (spring 2008) contains more than 130 pages with information about biocontrol is available for free on our website. We ask you to support the preparation of this book. The first priority is to receive summaries of the actual application of biological control in each country or region. The second priority is to document the history of biological control in each country, including some key references, so that it will be easier for all biocontrol workers worldwide to know what has been done and what is going on at this moment. This will help us to make clear **how important biological control is**. We have received several very good contributions during the past months, which will be included in the sixth edition, THANK YOU.

7. 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.

ASIA AND THE PACIFIC REGIONAL SECTION (APRS)

President: Prof. Masami Takagi, Institute of Biological Control, Faculty of Agriculture, Kyushu University, Fukuoka 812-8581 Japan, TEL 81-92-642-3035 FAX 81-92-642-3040, E-mail mtakagi@grt.kyushu-u.ac.jp

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 Barbara Barratt, Programme leader for Biosecurity at AgResearch in New Zealand. Email: barbara.barratt@agresearch.co.nz

Secretary General: 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

Treasurer: Dr. Leigh Pilkington, Gosford Horticultural Institute, Locked Bag 26, Gosford NSW 2250, AUSTRALIA, Telephone: +61 2 4348 1953 , Fax: +61 2 4348 1910 , Mobile: +61 409 77 00 61 , Email: leigh.pilkington@dpi.nsw.gov.au

Past President: Prof.dr. Eizi Yano

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

AFROTROPICAL REGIONAL SECTION (ATRS)

President: Dr. James A. Ogwang, Biological Control Unit, Namulonge Agricultural Research Institute, Kampala, Uganda. Email: jamesogwang@hotmail.com

Past President: Dr. H.G. Zimmermann, Agricultural Research Council, Plant Protection Research Centre, Weeds Research Division, Pretoria, South Africa. Email: riethgz@plant2.agric.za

Vice-President: Dr. Charles O. Omwega, International Centre of Insect Physiology and Ecology, Nairobi, Kenya. Email: comwega@icipe.org

General Secretary: Dr. M.P. Hill, ARC PPRI, Private Bag X 134, Pretoria 001, South Africa. Email: riethgz@plant2.agric.za

Treasurer: Dr. J. Ambrose Agona, Post Harvest Program, Kawanda Agricultural Research Institute, Kampala, Uganda. Email: karihawe@starcom.co.ug

EAST PALEARCTIC REGIONAL SECTION (EPRS)

President: Dr. Istvan Eke. Budapest, Hungary. Email: Ekei@posta.fvm.hu; istvan.eke@freemail.hu

Vice Presidents: 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

Dr. Vladimir Nadykta (Institute of Biocontrol, Krasnodar, Russia)

General Secretariat: Dr. Yury Gninenko and Dr. E. Sodomov, Russia

NEARCTIC REGIONAL SECTION (NRS)

President: Marshall W. Johnson, University of California at Riverside, CA 93648, USA.

Email: mjohnson@uckac.edu

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

Past President: Robert N. Wiedenmann, University of Arkansas, Fayetteville, AR 72701, USA.

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Vice-President: Jean-Louis Schwartz, University of Montreal, Montreal, H3C 3J7 Canada.

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James D. Harwood, University of Kentucky, Lexington KY 40546 USA

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William A. Overholt, University of Florida, Ft. Pierce, FL 34945 USA. Email: billover@ufl.edu

Website with all relevant information about NRS: <http://www.entomology.wisc.edu/iobc/nrs.htm>

NEOTROPICAL REGIONAL SECTION (NTRS)

President: Prof.dr. Vanda .H.P. Bueno, Department of Entomology/UFLA,

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Secretary General: 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.

Email: gcabrera@speedy.com.ar

Treasurer: Dr. Luis Devotto, Avda. Vicente Méndez 515, and Instituto de Investigaciones

Agropecuarias (INIA), Chillán, Chile. Email: ldevotto@inia.cl

Vice President 1: Dr. Maria Manzano, Universidad Nacional de Colombia, sede Palmira, Colombia.

Email: mrmanzano@palmira.unal.edu.co

Vice President 2: Dr. Mary M. Whu Paredes, Enrique León García N° 527. Urb. Chama-Surco.

Unidad de Producción de Insectos Benéficos del Programa Nacional de Control Biológico del Servicio

Nacional de Sanidad Agraria -SENASA Lima-Perú. E-mail: mwhu@senasa.gob.pe

Vice President 3: Dr. Leopoldo Hidalgo, Centro Nacional de Sanidad Agropecuaria (CENSA),

Carretera a Tapaste y 8 vías, Apartado 10, CP 32700, San José de las Lajas, La Habana, Cuba.

Email: lhidalgo@censa.edu.cu

President Elect: Prof.dr. F. Consoli, Department of Entomology, Fitopatologia e Zoologia Agrícola,

ESALQ. Universidade de São Paulo, Av. Pádua Dias 11, Piracicaba, SP 13418-900, Brazil. Email:

fconsoli@esalq.usp.br

Past President: Dr. Raquel Alatorre, Mexico. Email: alatoros@colpos.mx

Website with all relevant information about NTRS: <http://www.lef.esalq.usp.br/iobc-ntrs/>

WEST PALEARCTIC REGIONAL SECTION (WPRS)

President: Dr. F. Bigler, Switzerland, email: franz.bigler@fal.admin.ch

Vice Presidents: Prof.dr. Sylvia Blümel (Austria), Dr. Heidrun Vogt (Germany), Prof.

Dr. L Tirry, University of Gent, Laboratory of Agrozoology, Department of Crop

Protection, Gent, Belgium. Email: luc.tirry@ugent.be

Secretary General: Dr. Philippe Nicot(INRA, Avignon)

Treasurer: Prof. Dr. R. Albajes, Universita de Lleida, Centre UdL-IRTA, Lleida, Spain. Email:

ramon.albajes@irta.es

This Section of IOBC has always been one of the most active and has an excellent website with all information on working groups, meetings and bulletins: www.iobc-wprs.org. This website also has PDF files of the WPRS newsletter **PROFILE**, providing all recent information about IOBC WPRS.

8. WORKING GROUPS OF IOBC GLOBAL

Below, we only present contact addresses of 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

Convenors: **Dr. S. Grenier**, UMR INRA/INSA de Lyon, Biologie Fonctionnelle, Insectes et Interactions (BF2I), INSA, Bâtiment Louis Pasteur, 20 av. A. Einstein, 69621 Villeurbanne Cedex, France. Tel: +33 (0)4 72 43 79 88. Fax: +33 (0)4 72 43 85 34. Email: sgrenier@jouy.inra.fr. **Dr. N.C. Leppla**, University of Florida, Institute of Food and Agricultural Sciences, Department of Entomology and Nematology, Gainesville, Florida, USA. Email: ncl@gnv.ifas.ufl.edu. **Dr. P. De Clercq**, Laboratory of Agrozoology, Department of Crop Protection, Faculty of Bioscience Engineering, Gent University, Belgium. Email: Patrick.DeClercq@ugent.be

See website for future activities/proceedings of meetings:

<http://users.ugent.be/~padclerc/AMRQC/contacts.htm>.

WG ECOLOGY OF APHIDOPHAGA

Convenors: 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; ipmi@ksu.edu

See website for future activities: www.aphidophaga.org

Next meeting: Perugia, Italy, fall of 2010

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; ZachariadesC@arc.agric.za

See website for future activities/newsletter: <http://www.ehs.cdu.edu.au/chromolaena/siamhome.html>

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. m.p.hill@ru.ac.za

WG EGG PARASITIDS

Convenors: **Dr. E. Wajnberg**, Ecologie Comportementale, I.N.R.A., Sophia Antipolis, France. Email: wajnberg@antibes.inra.fr. **Dr Guy Boivin**, Research Station, Agriculture Canada, St-Jean-sur-Richelieu, Québec, Canada. Email: boiving@agr.gc.ca; Dr. F.L. Cònsoli, ESALQ/USP, Piracicaba, Brasil. Email : fconsoli@esalq.usp.br

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

First meeting of this WG planned for 2009

WG IWGO – OSTRINIA AND OTHER MAIZE PESTS

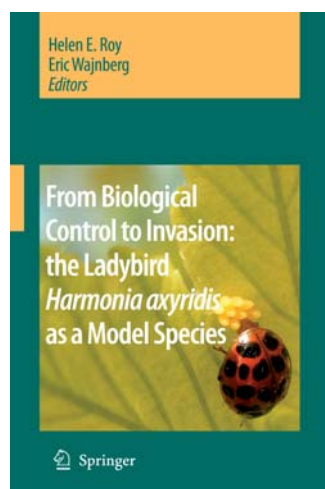
Convenors: Dr. U. Kuhlmann; CABI-BioScience; Head Agricultural Pest Research CABI Bioscience Switzerland Centre, Delémont; Switzerland, Email: u.kuhlmann@cabi.org. **Dr. C. R. Edwards;** Purdue University; Dep. of Entomology; Indiana; USA; Email: richedwards@entm.purdue.edu. **Dr. H. K. Berger;** AGES, Spargelfeldstraße 191; 1226 Wien; Austria; Tel.: # 43 /664/56-42-885. Fax: # 43/1/732-16-2106. Email: harald.berger@ages.at.

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

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@sari.ac.uk. **Dr Gabor Lovei,** Denmark. Email: gabor.lovei@agrsci.dk;

9. NEW BOOKS ON BIOLOGICAL CONTROL AND INTEGRATED PEST MANAGEMENT



From Biological Control to Invasion: the Ladybird *Harmonia axyridis* as a Model Species, H.E. Roy & E Wajnberg (eds.), 2008. Springer, Dordrecht, ISBN-13: 978-1-4020-6938-3, 287 pp.

Harmonia axyridis has been described as the “most invasive ladybird on Earth”. It has a long history of use as a classical biological control agent in the USA and more recently in Europe. This beetle has been effective at controlling pest insects in a variety of crop systems but it poses unacceptable risks by impacting on non-target species as both an intraguild predator and competitor. Written by renowned scientists, this book is a synthesis of recent research on *H. axyridis* and provides informative insights into current perspectives and future directions. Biological control is an essential component of sustainable agriculture but the distinction between a successful biological control agent and an invasive species can be narrow. The authors hope that lessons can be learnt from the *H. axyridis* case to prevent mistakes with invasions in the future.

The world’s worst invasive species, ISSG, 2005.

The Invasive Species Specialist Group (ISSG) updated and reprinted the booklet “100 of the world’s worst invasive species”, and also produced Spanish and French versions of the same book. Species were selected for the list based on: (1) their serious impact on biological diversity and/or human activities, and (2) their illustration of important issues of biological invasion. Files of the various language versions of the book can be downloaded from www.issg.org/booklet.pdf

Summarized from IAEA Insect Pest Control Newsletter 66, Jan 2006, page 28 (available also at: www.naweb.iaea.org/nafa/index.html)



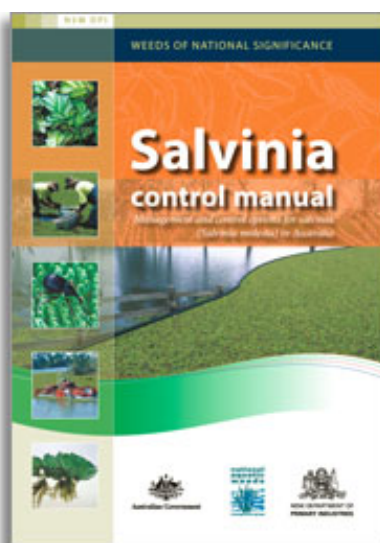
Biological control: a global perspective. C. Vincent, M.S. Goettel & G. Lazarovits (eds.), 2007. CABI, Wallingford, UK (ISBN: 9781845932657). Biological control, the management of pests by the use of living organisms, has a long history of application to agriculture around the world. However, the effective use of beneficial organisms is constrained by environmental, legal, and economic restrictions, forcing researchers to adopt increasingly multi-disciplinary techniques in order to deploy successful biological control programs. It is this complex process, including the mindset and the social environment of the researcher as well as the science being pursued, that this book seeks to capture. Chapters reveal the personal experiences of scientists from the initial search for suitable control agents, to their release into ecosystems and finally to the beneficial outcomes which demonstrate the great success of biological control across diverse agro-ecosystems. Drawing together historical perspectives and approaches used in the development of biological control as well as outlining current debates surrounding terminology and



Manejo integrado de plagas en Mesoamérica: aportes conceptuales, L. Hilje & J. L. Saunders (editors), 2008.

En este libro se compilan numerosos artículos de carácter conceptual o teórico, escritos por 32 investigadores de diferentes profesiones y nacionalidades, muy identificados con los problemas de la agricultura mesoamericana. No obstante, la pertinencia y valor del libro son mucho más amplios, lo cual lo convierte en útil para investigadores, decisores en políticas públicas y profesores y estudiantes universitarios de todo el continente americano, así como de otras regiones tropicales del mundo, con las que Mesoamérica comparte numerosos aspectos agroecológicos y socioeconómicos.

Se trata de un producto intelectual endógeno, surgido a partir de las experiencias concretas en esta región del mundo, donde el paradigma del manejo integrado de plagas -que es congruente con las modalidades productivas que se centran en la protección del ambiente- tiene una larga y rica historia. En las más de 700 páginas que conforman este volumen, los 35 artículos que lo componen están organizados en las siguientes ocho secciones: *conceptos generales, aspectos históricos, aspectos socioeconómicos, implementación, información, políticas, proyectos regionales y temas de actualidad*. Con ello se pretende aportar una visión de conjunto sobre este importante tema, tan pertinente para el desarrollo de sistemas agrícolas económica y ambientalmente sostenibles.



Salvinia Control Manual, E. van Oosterhout, 2006. NSW Dept. of Primary Industries, Australia.

One of the world's worst aquatic weeds, *Salvinia molesta*, a free-floating, mat-forming aquatic fern, has an established slot among AUSTRALIA's Weeds of National Significance, having been introduced into the nation in the 1950s and then subsequently spreading into numerous waterways in various states. To organize the extensive existing literature, the NSW Dept. of Primary Industries published SALVINIA CONTROL MANUAL, Management and Control Options for Salvinia (*Salvinia molesta*) in Australia, in 2006 as a comprehensive 76-page, full color document that can be downloaded at <http://tinyurl.com/2yp4wr>. Author E. van Oosterhout drew on a legion of experts to describe the various control strategies, as well as profile *S. molesta*. The graphically pleasing manual incorporates four case studies including physical removal programs and a long-running biocontrol effort. (Source: IPM news)



Economic and social impact in the event of the cactus moth (*Cactoblastis cactorum*) establishing in Mexico

The cactus moth is a native insect from South America and attacks several species of cacti of the *Opuntia* genus. Outside its native area, the insect is present in Australia, South Africa, Hawaii, the Caribbean Islands and the USA states of Florida, Mississippi and Alabama. A cactus moth outbreak was detected in Mexico in September 2006 in Isla Mujeres, Quintana Roo. In addition to being a biological control agent of opuntia weeds in some parts of the world (e.g. Australia), the moth constitutes a major risk for wild and cultivated opuntias in Mexico. The socio-economic impact of cactus moth in Mexico will be severe, due to (a) a significant increase in production costs of prickly pear cactus fruits and vegetable pads, (b) the negative effects on nutrition of the rural poor which use pads and fruits as staple food, and (c) environment damage as opuntia cactus is considered to

be one of the pillars sustaining the fragile and arid ecosystems of Mexico. But some natural factor may limit the distribution of the cactus moth in some areas of Mexico (eg. altitude, local climate conditions, genetic variation of opuntia), and these need to be studied. It is currently attempted to contain the pest in south-eastern USA and to prevent the introduction and establishment in Mexico.

Summarized from a long article in IAEA Insect Pest Control Newsletter 69, July 2007, page 10 (available also at: www-naweb.iaea.org/nafa/index.html)

Reviews of more books can be found in IOBC newsletters from issue 75 onwards on the IOBC Global Websites. An overview of national books on biological control and IPM is presentend in the IOBC Internet Book of Biological Control.

10. GUIDELINES FOR REGIONAL SECTIONS AND WORKING GROUPS OF IOBC GLOBAL

Guidelines for Working Groups and Regional Sections were circulated among Council members and Regional Sections several times during the past four years, and can now be considered approved. The latest version of these Guidelines can be found on the IOBC Global website.

11. LATEST NEWS

IOBC and EPPO (European Plant Protection Organization) will collaborate on a project concerning “white lists” of natural enemies. Based on a number of criteria, including potential risks caused by invasive or native natural enemies, lists will be compiled of natural enemies used in inundative and classical biological control in Europe.

Estimados amigos: Con fecha de hoy hemos puesto on line nuestro portal

www.controlbiologicochile.cl , en el cual participan todos uds y que espero podamos mantenerlo actualizado cada semana. Aquellas empresas que no aparecen con datos es porque no nos han enviado los suyos, por favor aun pueden enviarlos. Cualquier sugerencia será bien recibida . Espero que les sea de utilidad y la podamos ir perfeccionando en el tiempo. El administrador de la pagina es Hugo Rodriguez, periodista del CTCB. Atentamente, Marcos Gerding, Chile, September 2008

World-wide database of insect cultures available for distribution

The Canadian Forest Service, Natural Resources Canada, is sponsoring the establishment of a comprehensive world-wide listing of producers who are willing to sell or donate live insects. **We are currently soliciting the enrolment of insect producers.** This database is intended to provide those in need with a current source for accessing live insect cultures and to give producers the opportunity to expand their client base. Our database is in the early stages of development, but will become more

useful as additional insect producers decide to participate and have their cultures listed. We hereby solicit your enrolment and encourage you to make your colleagues and peers aware of the database: www.insect.glf.cfs.nrcan.gc.ca. Contact: Peter Ebling, email: pebling@nrcan.gc.ca

Information about Congresses and Meetings in the field of biological control and integrated pest management can be found at:

(1) www.IOBC-WPRS.org and

(2) IPMnet News at: http://www.ipmnet.org/IPMNews/main_page.html

Material for website of IOBC Global: if you would like to mention an IOBC or biological control related activity on the website of IOBC Global, please send your message to Joop.vanLenteren@wur.nl and I will contact our website manager.

Next newsletter: Newsletter 85 will be published in March 2009. We plan to discuss the issue of natural enemy exploration in this newsletter. Under item 3 in this newsletter we mention the formation of an IOBC Global Commission on Biological Control and Access and Benefit-Sharing. **We invite those working in the field of biological control to send us your opinion (half a page) expressing whether exploration of natural enemies needs to be regulated and if a financial contribution should be made to the country where the exploration takes place.**

Editor: Joop C. van Lenteren, October 2008