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Research Coordination, international collaboration and harmonization of practices for biological control: EUPHRESKO and IOBC

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Research coordination, international collaboration and harmonization of practices for biological control: Euphresco and IOBC

Baldissera GIOVANI & Philippe NICOT



Network for phytosanitary
research coordination and funding

www.euphresco.net



International Organisation for
Biological and integrated Control

www.iobc-wprs.org

Part 2: the International Organisation for Biological and integrated Control (IOBC)

- Missions and objectives
- Organization and operation
- Opportunities for EMBA members



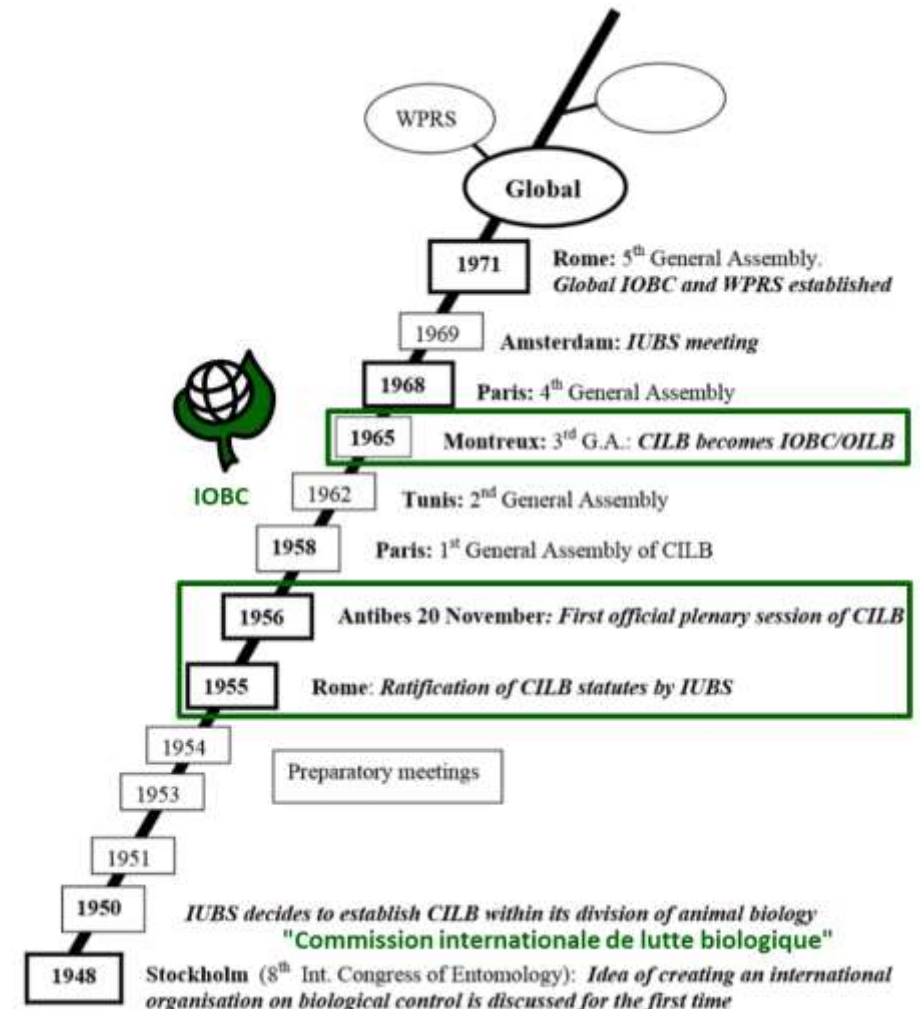
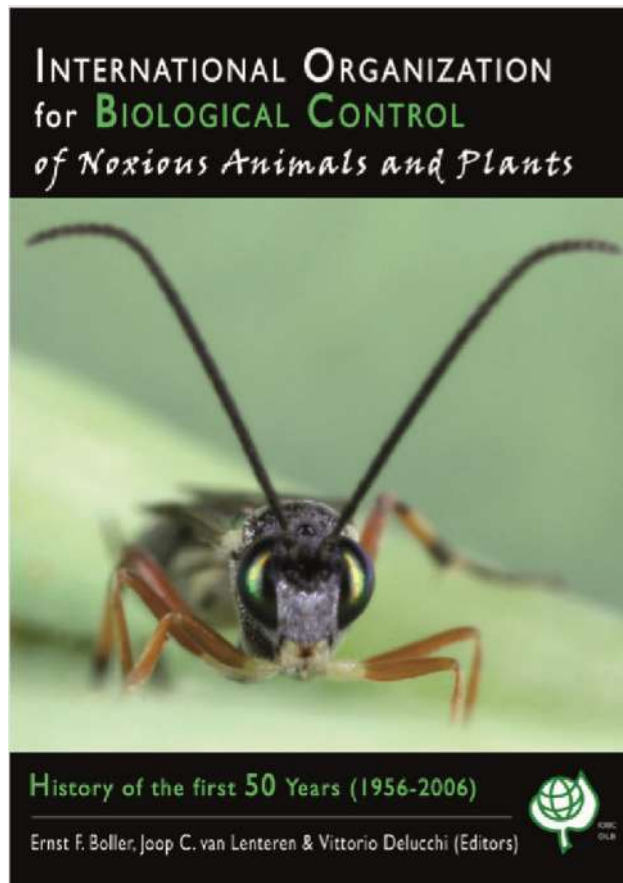
www.iobc-wprs.org

IOBC mission and objectives

www.iobc-wprs.org



- IOBC is a **non-profit, scientific organization** initiated in the 1940-50s



IOBC mission and objectives

www.iobc-wprs.org



- IOBC is a **non-profit, scientific organization** initiated in the 1950s
- Promote **research, development and implementation** of biological control and IPM in agricultural crops and forests
- Provide **independent, professional advice** on biological control, IPM and IP to policy makers, governments, advisory services and farmers



Joint Research Center



DG Agriculture and Rural Development



European Food Safety Authority



IOBC mission and objectives

www.iobc-wprs.org



- Raise **public awareness** of the economic and social importance of biological control, IPM and Integrated Production



IOBC mission and objectives

www.iobc-wprs.org



- Promote **international cooperation** in research and development of biological control and IPM/IP through:
 - working groups and commissions on specific biocontrol and IPM topics
 - organisation of scientific conferences and workshops
 - facilitation of training in biocontrol and IPM



IOBC mission and objectives

www.iobc-wprs.org



- Promote **international cooperation** in research and development of biological control and IPM/IP through:
 - working groups and commissions on specific biocontrol and IPM topics
 - organisation of scientific conferences and workshops
 - facilitation of training in biocontrol and IPM
 - Participation in 'stakeholder advisory boards' of R&D projects



Joint Programming Initiative on
Agriculture, Food Security and
Climate Change



Quantification of Ecological Services for Sustainable
Agriculture (2013-2017)



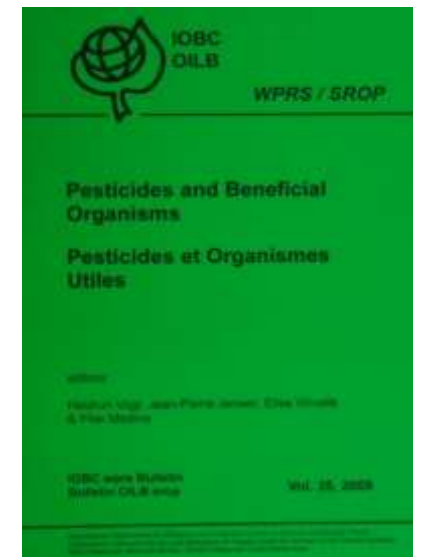
IOBC mission and objectives

www.iobc-wprs.org



- Assist in the **communication among biological control and IPM workers** through

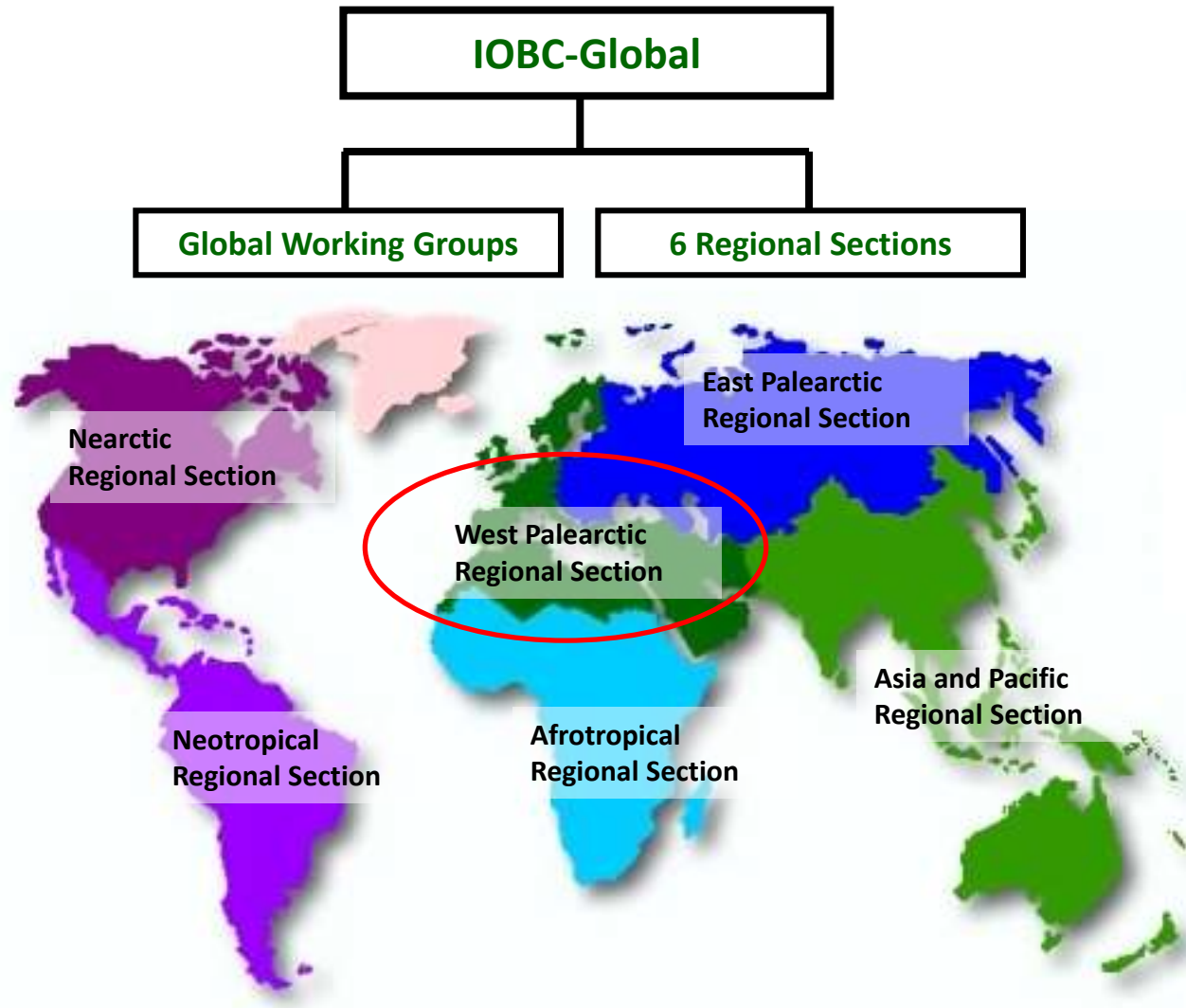
- dissemination of IOBC Books, Newsletters and Bulletins



- online news (job offers, upcoming meetings) on the website
- publication of BioControl

IOBC organisation and operation

www.iobc-wprs.org



IOBC organisation and operation



21 Working Groups

- **Crop-focused:**

arable crops, citrus, date palm,
field vegetables, fruit crops, oak forests,
oilseed crops, olives, protected crops,
stored products, viticulture

- **Pest-focused:**

mite pests, plant pathogens

- **Control method-focused:**

induced resistance in plants, GMO's in IPM,
landscape management, pheromones and other semio-chemicals,
pesticides and beneficials, insect pathogens and entomoparasitic nematodes,
benefits and risks of exotic biocontrol agents



10-12 scientific meetings / year

Convenor of WG
"IPM in Arable systems"

Prof. Camillia MOENEN
Scuola superiore sant'anna
Pisa, ITALY





5 Commissions (small expert groups)

- Publications
- Identification of entomophagous insects and insect pathogens
- Guidelines for integrated production
- Harmonized regulation of biocontrol agents
- IP and Biocontrol in North-African countries

Opportunities for EMBA members

www.iobc-wprs.org



- INRAE – Institutional member => access to member benefits

- Newsletters

- Web site: source of information www.IOBC-WPRS.org

- IOBC-WPRS Bulletins = proceedings of scientific meetings

- Information on IPM and Integrated Production



International Organisation for Biological and Integrated Control (IOBC)
West Palearctic Regional Section (WPRS)
Organisation Internationale de Lutte Biologique et Intégrée (OILB)
Section Régionale Ouest Paléarctique (SROP)

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IOBC-WPRS OILB-SROP

General and Crop Specific IP Guidelines

The overall aim of IOBC guidelines on integrated Production is to provide inspiration for a consistent and integral application of integrated Production principles in different production systems. These guidelines offer a framework for the formulation of regional or national guidelines and standards and facilitate harmonization of these concepts and guidelines at an international level.

IP & IPM > Integrated Production Objectives and Principles
Pesticide Side Effect DB > General and Crop Specific IP Guidelines
Publications > IOBC IP Test Bed
Download & Links > Benchmark
Member Areas > Documents for Downloads
IOBC Global > IOBC IP Guidelines Committee

IPM: chemical control may complement prevention and biological and technical control methods (S. Agricola)

There are three levels in the guidelines. They belong together and should be considered integrally.

- **IP objectives and principles:** Are the framework for integrated Production: definition objectives principles.
- **General technical guidelines for IP production of annual and perennial crops:** Provides the general agronomic rules and minimum requirements, clearly defined as mandatory to be met by all

IOBC Pesticide Side Effect Database with search functions

This database on selectivity of pesticides has been prepared to assist organizations and growers in the choice of pesticides.

Recent Publications:

- [Integrated Production, IOBC-WPRS Objectives, Principles, 4th edition, 2018](#)
- [General Technical Guidelines for Integrated Production of Annual and Perennial Crops, 4th edition, 2018](#)

- IP objectives and principles
- General technical guidelines for IP of annual and perennial crops
- Crop Specific Guidelines
- IOBC Pesticide Side Effect Database

IOBC OILB
WPRS / SROP

INTEGRATED PEST MANAGEMENT

Design and application of feasible and effective strategies

International Organisation for Biological and Integrated Control of Pests, Animals and Plants
Organisation Internationale de Lutte Biologique et Intégrée contre les Animaux et les Parasites nuisibles
West Palearctic Regional Section / Section Régionale Ouest Paléarctique

IOBC OILB
WPRS / SROP

INTEGRATED PRODUCTION: OBJECTIVES, PRINCIPLES AND TECHNICAL GUIDELINES

International Organisation for Biological and Integrated Control of Pests, Animals and Plants
Organisation Internationale de Lutte Biologique et Intégrée contre les Animaux et les Parasites nuisibles
West Palearctic Regional Section / Section Régionale Ouest Paléarctique

General technical guidelines for Integrated Production of annual and perennial crops

IOBC - WPRS Commission IP Guidelines

General Technical Guidelines for Integrated Production of Annual and Perennial Crops

4th edition 2018
Edited by: Frank Wijnands, Carlo Malavolta, Aude Alaphilippe, Berbel Gerowitt and Robert Baur

Citrus

Grapes

Soft fruits

Olive

Stone fruits

Field vegetables



Opportunities for EMBA members

www.iobc-wprs.org



- INRAE – Institutional member => access to member benefits
- Newsletters
- Web site: source of information
- Networking



Thank you



www.iobc-wprs.org