



# Future **IPM** in Europe

19-21 March 2013 | PalaCongressi - Riva del Garda, Italy

Second circular

*The largest international conference on “Pesticide Use and Risk Reduction for future IPM in Europe” in the view of the adoption of the Directive 2009/128/EC*

## About the Conference | Invitation

---

We would like to invite you to the forthcoming event **Future IPM in Europe**, March, 19-21 2013, Riva del Garda, Italy. The conference will be organized by Fondazione Edmund Mach, the European project “Pesticide Use-and-risk Reduction in European farming systems with Integrated Pest Management” – PURE, Centro di sperimentazione agraria e forestale di Laimburg and the European network ENDURE, in collaboration with the Autonomous province of Trento (Provincia Autonoma di Trento), the Ministry of agriculture (Ministero delle politiche agricole alimentari e forestali), the International Organisation for Biological Control of noxious animals and plants (IOBC-WPRS), International Biocontrol Manufacturers’ Association (IBMA) and Giornate Fitopatologiche. Venue of the congress is the Palacongressi of Riva del Garda, which is located in a lovely area in the Northern side of Garda Lake.

Approximately 1000 participants over the three days are expected to register from Europe and across the world.

Several congresses and conferences successfully address specific tools to improve plant protection against pest and pathogens; however the future challenge will be the integrated concept of IPM. In this context the congress will provide a unique opportunity to share regulatory, scientific, and technological information in the field of “reducing pesticide use-and-risk in European integrated pest management (IPM)” in the view of implementing the Directive 2009/128/EC. The main objective is to promote knowledge exchange among scientists, companies, farmers, advisors, policy makers and supply chain stakeholders, and identify approaches, tools and techniques to meet the future needs of European crop protection for a sustainable agriculture and development.

The highlight of our Congress is without doubt the scientific program, which, thanks to invited keynote speakers and offered scientific contributions, explores new directions in IPM and tools to implement the directive 2009/128/EC and gives an overview of the regulation on pesticides in Europe.

Complementing the main program are the parallel scientific workshops with the offered contributions, demos and sponsored presentations and the wide exhibition of posters and stands.

A Congress of this magnitude would not be possible without the hard work and dedication of several people and institutions and the support of our industry partners, sponsors and exhibitors. On behalf of organization committee we wish you a wonderful stay in Riva and memorable experiences from this Conference.

Sincerely,

Ilaria Pertot, Claudio Ioriatti and Françoise Lescourret

*Convenors of the Congress*

# About the Conference | Topics

---

## Topics addressed in the plenary and parallel sessions

### FUTURE IPM

- STATE OF THE ART ON IPM AND CASE STUDIES
- IPM PROSPECTIVE IN EUROPE AND FUTURE CHALLENGES



### DESIGN

- ECOLOGICAL ENGINEERING AND ENVIRONMENTAL ASPECTS
- MODELLING, DESIGN APPROACHES AND INDICATORS
- MONITORING, FORECASTING AND DECISION SUPPORT



### TOOLS

- EQUIPMENT AND TECHNOLOGY INTEGRATION
- BIOCONTROL AND BIOPESTICIDES
- SEMIOCHEMICALS AND OTHER NON CHEMICAL ALTERNATIVES
- BREEDING FOR RESISTANCE
- INDUSTRIAL DEVELOPMENT OF ALTERNATIVES



### STAKEHOLDERS

- CURRENT REGULATION AND NATIONAL ACTION PLANS: state of the art
- SOCIETY: problems and perception of risk
- EXTENSION SERVICES, ADVISORS, GROWERS AND CO-INNOVATION



---

**Contributions of participants will be accepted for the following specific topics**

#### **CURRENT REGULATION AND NATIONAL ACTION PLANS**

- Updates and future steps in the EU regulation on IPM, organic production, pesticides and biopesticides registration and sustainable use of pesticides, CAP
- National Action Plans: state of the art
- IPM Policy and Implementation outside Europe

#### **STATE OF THE ART ON IPM AND CASE STUDIES**

- Reduction of pesticides in sustainable agriculture: successful stories and case studies
- Integration of sustainable tools in IPM to reduce the use of pesticides
- Limits and problems encountered in reducing pesticides

#### **ENVIRONMENTAL ASPECTS**

- Experiences in pesticide reduction in different environments
- Environmental effects of reducing pesticide use
- Ecosystem services
- Eco-toxicology of biopesticides

#### **MODELLING TOOLS**

- Assessment models
- Life cycle assessment (LCA)
- Economical models
- Global sustainability models
- Environmental, eco-toxicological models
- Pest models and multi pest models (phenology, evolution, spatio-temporal dynamics at various scales including landscape)
- Interaction models (crop-pest models, pest-enemies models, trophic chain models)
- Agro-ecological models
- Prediction of damages and losses
- Optimisation, e.g. Dynamic programming, multi-objective optimization, etc.
- Design tools based on models

#### **DESIGN APPROACHES AND INDICATORS**

- IPM design for pesticide reduction and assessment methodology
- Sustainability evaluation of IPM approaches
- Pesticides risk indicators
- Environmental Risk indicators
- Prototyping cropping system

#### **MONITORING, FORECASTING AND DECISION SUPPORT**

- Ecology and Population Sampling for reducing pesticides
- Monitoring pest and pathogens: insect and spore traps and other advanced measurement methods and monitoring tools
- Monitoring for pesticides reduction for air, water and soil quality
- Disease and pest forecasting
- Identification of Economic thresholds and acceptable pest/disease levels
- Decision support systems to reduce pesticide use-and-risk
- New technologies and communication media to support reduction of pesticides as geographic information systems, web-bases systems, smart phones, social networks, etc.

#### **ECOLOGICAL ENGINEERING**

- Crop management to engineer pest suppressive fields (e.g. suppressive soils, biofumigation, inducible defence, etc.)
- Habitat management strategies and mechanisms to promote pest regulation (e.g. margins, agro-forestry, impact on food-webs, push-pull strategies, attract and reward, etc.)
- Managing biodiversity to reduce pesticide use (functional and genetic diversity of crops, biodiversity–function relationships, habitat complexity, etc.)
- Engineering landscapes (landscape ecology of pests and beneficial species, area-wide IPM)

#### **EQUIPMENT AND TECHNOLOGY INTEGRATION**

- Application techniques to reduce drift and contamination
- Setting buffer and safeguard zones
- Application techniques to reduce energy consumption and carbon emission
- Precision Agriculture approaches within IPM
- Inspection of equipment

#### **BIOCONTROL**

- Invertebrate Biological Control Agents, or Macrobiales
- Biological Control: Approaches and Application to reduce pesticide use
- Protection of natural biological processes as beneficial insects and mites
- Mechanism of action and signaling in biocontrol
- Sterile Insect Release and other Genetic Control Strategies

#### **BIOPESTICIDES**

- Microbial Biopesticides: bacteria, algae, protozoa, viruses and fungi.
- Biopesticides derived from microorganisms 'metabolites
- Botanicals
- Pesticides from other natural origins
- Effect of environment on efficacy of biopesticides

- Microbial and non-microbial induced resistance to biotic and abiotic stresses and plant growth promotion
- Interaction between plants and beneficial microorganisms

#### **SEMIOCHEMICALS**

- Semio-chemicals, Allelochemicals, Pheromones
- Pheromone mating disruption, monitoring, mass trapping
- Innovative mating disruption techniques

#### **OTHER NON CHEMICAL ALTERNATIVES**

- Preventive cultural practices to reduce pesticide: selection of varieties, cultural techniques as crop sanitation, crop rotation, vegetation management, role of plant nutrition, etc.
- Mechanical control methods: from classical approaches to innovative methods

#### **BREEDING**

- Host Plant Resistance
- Breeding for resistance
- Integration of resistant varieties in IPM to reduce pesticide use
- Cis-genic plants: open discussion on social acceptability

#### **INDUSTRIAL DEVELOPMENT OF ALTERNATIVES**

- Opportunities and Challenges for the Private Sector on tools to reduce pesticide use
- Mass production, formulation methods delivery strategies and risk assessment of biopesticides and other alternative tools
- Registration and commercialization of biopesticides, invertebrate biocontrol agents and other alternative tools
- New frontiers for biopesticides and alternative control tools
- Marketing of alternative tools in IPM (alternative products in retail stores, eco-labeling, food industry, branding, view of pest management industry)
- The Role of Technology in developing alternative to pesticides in sustainable Agriculture.

#### **SOCIETY**

- Reduction of pesticides and future challenges (bio-economy, global food shortages, sustainable development, international cooperation, landscape level and area-wide IPM, education in IPM)
- Reduction of pesticides in communities (schools, child care facilities, gardens, green buildings)
- Public health risks associated with pesticides and natural toxins in foods
- Consumer perception of pesticide risk
- "Zero residue" food
- Urban and stored product
- Measures to inform general public and to promote awareness-raising programmes

#### **EXTENSION SERVICES, ADVISORS, GROWERS**

- Role of the Private Consultant in Implementation of strategies to reduce pesticide use in IPM
- Schemes for implementing new alternative tools in IPM
- Web-site, publishers and other actors involved in dissemination of new approaches and solution
- Communication with growers: case studies and success stories
- Training
- Practitioners' perspectives

#### **CO-INNOVATION**

- co-innovation and participatory approaches
- policy makers and research
- contribution of research to innovation and the value of co-innovative approaches in national or EU programmes

#### **PROSPECTIVE AND FUTURE CHALLENGES**

- Impact of climate change
- IPM of invasive pest and pathogens
- IPM of outbreaks of unexpected existing pests and pathogens

## About the Conference | Important Deadlines

---

Abstract submission	30 November 2012
Confirmation of abstract acceptance by the organization	15 December 2012
Registration fee without charge	31 December 2012
Preliminary detailed program	31 January 2013
Final program	28 February 2013

## Organizing Committee

---

Aubertot J.N., Kudsk P., Sattin, M., Hommes M., Heijne B., Poncet C., vander Werf, Bruce T., Begg G., Nieuwenhuizen A., Delval P., de Wolf P., Lescourret F., Viola R., Pontalti M., Galli R., Pertot I., Ioriatti C., Bauer O.

## Technical Organizing Committee

---

Candioli E., Esposito E., Giacomozzi F., Marin F.

## Scientific Advisory Board

---

*Preliminary list (to be confirmed)*

Aubertot J.N., Barzman M., Begg G., Bigler F., Bourgeois G., Bruce T., Brunelli A., Cross J., Dachbrodt-Saaydeh S., Delval P., de Wolf P., Gessler C., Elad Y., Heijne B., Hommes M., Jensen J.E., Kuflik T., Kudsk P., Poncet C., Nieuwenhuizen A., Ioriatti C., Lescourret F., A. Messean, Mortensen D., Duke S.O., Pertot I., Ricci P., Rossing W., Ratnadass A., Samietz J., Sattin, M., Veronelli V., Wery J., vander Werf W., van de Zande J.

## Program | Program overview

---

19 March 2013	
8:00-9:00	registration
9:00-11:00	<i>plenary lectures</i>
11:00-11:30	coffee break
11:30-13:00	<i>plenary lectures</i>
13:00-14:00	lunch break
14:00-16:00	<i>plenary lectures</i>
16:00-16:30	coffee break
16:30-18:30	<i>plenary lectures</i>
18:30-20:00	wine & cheese and more
20 March 2013	
8:00-9:00	registration
9:00-11:00	<i>parallel sessions</i>
11:00-11:30	coffee break
11:30-13:00	<i>parallel sessions</i>
13:00-14:00	lunch break
14:00-16:00	<i>parallel sessions</i>
16:00-16:30	coffee break
16:30-18:30	<i>parallel sessions</i>
18:30-20:00	wine & cheese and more
21 March 2013	
8:00-9:00	registration
9:00-11:00	<i>plenary lectures</i>
11:00-11:30	coffee break
11:30-13:00	<i>plenary lectures</i>
13:00-14:00	lunch break
14:00-15:00	additional free time for visiting exhibition/posters

## Program | Parallel Sessions and Workshops

---

Parallel sessions and workshops will be organized on March 20

*Preliminary list of sessions and workshops*

- National action plans: state of the art
- IPM past, present and future: from a large diversity to a common goal
- Decision support systems and disease forecasting models
- Semiochemicals and pheromones
- Biofungicides as alternative tools in diseases protection
- Plant Self-protection and induced resistance
- Innovative spraying equipment
- The role of advisors in implementing IPM

## Abstracts | Call for Abstract

---

### Abstract Preparation

Participants willing to present a contribution are asked to prepare an abstract, which will be included in the Conference book of abstracts. Abstracts **should be submitted on line**. **Only registered participants can submit an abstract**. After completing the registration process participants will receive a code to be used in the online abstract submission. Each participant can submit more than one abstract (up to 3). **Deadline for abstract submission is November 30**. Abstract acceptance will be confirmed by December 15; registration fee will be fully refunded until December 31.

**Contributions will be presented as posters. The scientific committee will select some contributions and invite authors to present them as orals in the parallel sessions or thematic workshops.**

Participants will receive the electronic version of the Conference book of abstracts at the meeting. The book of abstract will be also available on the website (download) from March 19.

The content of the abstract should be clear, concise and have been **revised by an experienced English speaker**.

**Abstract:** it should contain a short introduction, objectives, methods, results and conclusions not divided in chapters. Some of the sections may be omitted if they are not relevant. **Length is 3000 characters (spaces included)**.

**Online abstract submission:**

[www.futureIPM.eu](http://www.futureIPM.eu)

### Poster session

---

Posters will be located in the main exhibition room (Palameeting) and visible all through the duration of the meeting



## Future IPM | Registration

---

### REGISTRATION FEE

Registration fees cover conference participation, documents and materials, coffee breaks, lunches, evening aperitifs

<b>FULL REGISTRATION* (March 19-21 )</b>	<b>Eur. 350</b>
<b>ONE-DAY REGISTRATION** (choice between March 19, 20, 21)</b>	<b>Eur. 200</b>
Late registration (after December 31, 2012) or “on the spot” (only credit cards Visa, Mastercard, American express, Maestro, Bancomat) (Full)	Eur. 500
Late registration (after December 31, 2012) or “on the spot” (only credit cards Visa, Mastercard, American express, Maestro, Bancomat) (One day)	Eur. 350

\*Full registration will cover conference participation, documents and materials, 5 coffee breaks, 3 lunches, 2 evening aperitifs

\*\*One day registration will cover conference participation, documents and materials, 2 coffee breaks, 1 lunches, 1 evening aperitifs (on the last day 1 coffee break, 1 lunch)

**Online registration will be open from October 17, 2012**

***Registration fee fully reimbursed for cancellations until December 31, 2012; a fee of 100 € will be charged for cancellation after December 31, 2012***

**Online registration:**

**[www.futureIPM.eu](http://www.futureIPM.eu)**

### Shuttle and Hotel booking

Online Shuttle and Hotel booking will be available on line from September 30, 2012

### How to reach the Venue

---

Riva del Garda, Congress Centre - Parco Lido - 38066 Riva del Garda TN ([Google maps](#))

#### BY CAR OR COACH

motorway A22,

Brennero motorway, Rovereto sud exit: 15 minutes from the toll booth

scenic routes

From Brescia: arrive in Riva del Garda (80 km) following the Gardesana Occidentale (SS 45 bis) road

From Verona: follow the Gardesana Orientale (SS 249) road.

by coach

To reach Garda Trentino by bus there are direct links from Trento and Rovereto (Trentino Trasporti buses), from Verona and Desenzano (A.P.T.V. buses), from Brescia and Milan (S.I.A. buses)

#### LINKS

[A22 Autobrennero motorway](#)

#### BY PLANE

The nearest airports for Garda Trentino are:

Verona Airport "Valerio Catullo"

Welcome service at the airport and transfer (70 minutes from and to the destination by coach including a video presentation of the destination).

<http://www.aeroporto.verona.it>

Brescia Airport "Gabriele D'Annunzio"

<http://www.aeroporto.verona.it>

Bergamo Airport "Orio al Serio"

<http://www.sacbo.it>

Aeroporti Milano "Malpensa" e "Linate"

<http://www.sea-aeroporto.milano.it>

Venezia Airport "Marco Polo"

<http://www.veniceairport.it>

#### BY TRAIN

Those who arrive by train will find the nearest station is Rovereto (Brennero line) 20 km from Riva del Garda. A bus service by Trentino Trasporti links Rovereto with Torbole, Riva del Garda and Arco.

<http://www.trenitalia.com>

From outside Italy: [www.sbb.ch](http://www.sbb.ch)

Bus service

<http://www.ttspa.it>

## Sponsor & Exhibition | Sponsor and exhibition Information

---

If you are interesting in participation as an exhibitor or actively supporting the Conference please contact:

Floriana Marin [floriana.marin@fmach.it](mailto:floriana.marin@fmach.it)

Ilaria Pertot [ilaria.pertot@fmach.it](mailto:ilaria.pertot@fmach.it)

Claudio Ioriatti [claudio.ioriatti@fmach.it](mailto:claudio.ioriatti@fmach.it)

## WEBSITE | Additional and updated information

---

[www.futureIPM.eu](http://www.futureIPM.eu)

Info on the conference: Floriana Marin [floriana.marin@fmach.it](mailto:floriana.marin@fmach.it)

Info on scientific issues: Ilaria Pertot [ilaria.pertot@fmach.it](mailto:ilaria.pertot@fmach.it)

