

# PROGRAMME

## IOBC/WPRS Working Group “Landscape management for functional biodiversity”

Meeting May 21-23, 2014, Poznan, Poland

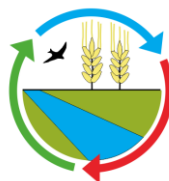
### Organizer Logotypes:



International Organisation  
for Biological and Integrated  
Control of Noxious Animals  
and Plants



Institute of Plant Protection -  
National Research Institute  
Poznań



Institute of Agricultural and  
Forestry Environment - Polish  
Academy of Sciences  
Poznań



Warsaw University of Life  
Sciences - SGGW

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## WEDNESDAY 21 MAY 2014

### 08.30 CONFERENCE REGISTRATION & SOFT DRINKS

- 09.00 **Welcome by local organizers** (Prof. Tadeusz Praczyk - Research Deputy Director of the Institute of Plant Protection in Poznań)
- 09.10 **Introduction by convenors** (John Holland & Bärbel Gerowitt)
- 09.20 **IOBC presentation** (Lene Sigsgaard, WG Liaison Officer)

### **Session 1: "Conservation biocontrol"**

*Session Organiser:* Bärbel Gerowitt (University of Rostock, Germany)

- 09.40 **Farming intensity and field margin complexity affected post-dispersal weed seed predation by arthropods in sunflower crops.** Anna-Camilla Moonen<sup>1</sup>, Gonzalo A.R. Molina<sup>2</sup>, Gionata Bocci<sup>1</sup> and Santiago L. Poggio<sup>2</sup> (<sup>1</sup>Scuola Superiore Sant'Anna, Italy; <sup>2</sup>University of Buenos Aires, Argentina)
- 10.00 **Wildflowers that serve as food supply for the parasitoid *Microplitis mediator* improve the effectiveness of biological control in a cabbage field** Guendalina Barloggio<sup>1,2</sup>, Mathias Kölliker<sup>2</sup>, Henryk Luka<sup>1,2</sup> and Oliver Balmer<sup>1,3</sup> (<sup>1</sup>Research Institute of Organic Agriculture; <sup>2</sup>University of Basel; <sup>3</sup>Swiss Tropical and Public Health Institute, Switzerland)
- 10.20 **Potential of different species of winter cress (Brassicaceae) as dead-end trap crops for diamondback moth (Lepidoptera: Plutellidae).** Francisco R. Badenes-Perez<sup>1,2</sup>, Michael Reichelt<sup>1</sup>, Jonathan Gershenzon<sup>1</sup>, David G. Heckel<sup>1</sup>. (<sup>1</sup>Max Planck Institute for Chemical Ecology, Germany; <sup>2</sup>Institute of Agricultural Sciences (CSIC), Spain)
- 10.40 **Assessing the use of *Lobularia maritima* as an insectary plant for the conservation of *Orius majusculus* and biological control of *Frankliniella occidentalis*.** Lorena Pumariño<sup>1</sup>, Oscar Alomar<sup>2</sup> (<sup>1</sup>Swedish University of Agricultural Sciences, Sweden; <sup>2</sup>IRTA Entomology, Spain)
- 11.00 COFFEE

## **Session 2: "Utilising floral resources"**

*Session Organiser:* Paul van Rijn (University of Amsterdam, The Netherlands)

- 11.30 **Which shrubs and trees can conserve natural enemies of aphids in spring?**  
Paul van Rijn (University of Amsterdam, The Netherlands)
- 11.50 **Targeted flower strips effectively promote natural enemies of aphids.**  
Matthias Tschumi<sup>1,2</sup>, Matthias Albrecht<sup>1</sup>, Martin H. Entling<sup>2</sup>, Katja Jacot<sup>1</sup>  
(<sup>1</sup>Agroscope, Institute for Sustainability Sciences, Switzerland; <sup>2</sup>University of Koblenz-Landau, Germany)
- 12.10 **Flowering crops as nutritional resources for *Ascogaster quadridentata* (Hymenoptera, Braconidae) and other beneficials in agroecosystems.**  
Annette Herz<sup>1</sup> and Gudrun Eder<sup>1,2</sup> (<sup>1</sup>JKI, Institute for Biological Control; <sup>2</sup>Technical University Darmstadt, Germany)
- 12.30 **Discussion**
- 13.00 **LUNCH**
- 14.00-15.00 **POSTER SESSION**
- 15.15- Visit to the BASF "Seeded flowering meadow" in agrocenosis - Jaroslawiec;  
invited dinner by BASF Polska.

**THURSDAY 22 MAY 2014**

## **Session 2: "Aspects of invertebrate ecology"**

*Session Organiser:* JOHN HOLLAND (Game and Wildlife Conservation Trust, UK)

- 09.00 **Changes of insect diversity and occurrence of entomopathogenic fungi in agricultural landscape.** Jerzy Karg, Stanisław Bałazy (PAN, Institute for Agricultural and Forest Environment, Poland)
- 09.20 **Quantifying movement of the predator carabid beetle *Pterostichus melanarius* in arable land.** Bas Allema, Walter Rossing, Wopke van der Werf, Lia Hemerik, Jeroen Groot, Eveliene Steingröver, Joop van Lenteren (Wageningen University, The Netherlands)

- 09.40 **Impact of drought and regulated deficit irrigation on attractiveness of *Diplotaxis tenuifolia* (Brassicaceae) to bees and hoverflies.** Jelena Barbir<sup>1</sup>, José Dorado<sup>1</sup>, César Fernández-Quintanilla<sup>1</sup>, Tijana Blanus<sup>2</sup>, Cedo Maksimovic<sup>3</sup>, Francisco R. Badenes-Pérez<sup>1</sup> (<sup>1</sup>Institute of Agricultural Sciences, CSIC, Spain; <sup>2</sup>University of Reading; <sup>3</sup>Imperial College London, UK)
- 10.00 **Are higher taxa level assemblages suited to discriminate different habitats? A case study using Braconid subfamilies in three Tuscan vineyards.** Augusto Loni, Andrea Lucchi (University of Pisa, Italy)
- 10.20 **Insects and globalization: sustainable control of exotic species in Italian agro-forestry ecosystems.** Daniela Lupi<sup>1</sup>, Umberto Bernardo<sup>2</sup>, Carmelo Peter Bonsignore<sup>3</sup>, Mario Colombo<sup>1</sup>, Maria Luisa Dindo<sup>4</sup>, Massimo Faccoli<sup>5</sup>, Chiara Ferracini<sup>6</sup>, Liberata Gualtieri<sup>2</sup>, Rita Marullo<sup>3</sup>, Luca Mazzon<sup>5</sup>, Gaetano Siscaro<sup>7</sup>, Pompeo Suma<sup>7</sup>, Luciana Tavella<sup>6</sup>, Stefano Maini<sup>4</sup> (<sup>1</sup>The University of Milan; <sup>2</sup>CNR Institute for Plant Protection UOS of Portici; <sup>3</sup>Mediterranea University of Reggio Calabria PAU; <sup>4</sup>University of Bologna; <sup>5</sup>University of Padua; <sup>6</sup>University of Torino; <sup>7</sup>University of Catania, Italy)
- 10.40 **Discussion**
- 10.50 **COFFEE**
- 11.30 **INTERACTIVE SESSION: Landscape-scale management tools for more effective biocontrol to sustain IPM.** Facilitators John Holland, Camilla Moonen and Walter Rossing.
- 13.00 **LUNCH**
- 14.00 **Visit Turew Station – 2 presentations of 15 minutes on the large scale versus diversified agriculture and biodiversity , field excursion and SOCIAL interactions including dinner.**

**Session 3: "The contribution of uncropped land"**

*Session Organiser:* Camilla Moonen (Scuola Superiore Sant'Anna, Italy)

- 09.00 **Pollinator community response to vegetation of semi-natural habitats around arable fields.** Agustín Bartual, Anna-Camilla Moonen (Scuola Superiore Sant'Anna, Italy)
- 09.20 **Botanical surveys as a base for the assessment of ecosystem services provided by semi-natural habitats in Hungary.** Orsolya Pintér, Zita Dorner, Márk Szalai, Barbara Geiger, József Kiss (Szent István University, Hungary)
- 09.40 **Edges of natural vegetation to increase the diversity of wild bees in agricultural field margins.** Juan Antonio Sanchez<sup>1</sup>, Aline Carrasco<sup>1</sup>, Michelangelo La-Spina<sup>1</sup>, Helena Ibáñez<sup>1</sup>, Germán Canomanuel<sup>2</sup>, F. Javier Ortiz-Sánchez<sup>3</sup>, Elena López<sup>1</sup>, Alfredo Lacasa<sup>1</sup> (<sup>1</sup>Instituto Murciano de Investigación y Desarrollo Agrario y Alimentario; <sup>2</sup>Syngenta; <sup>3</sup>Universidad de Almería, Spain)
- 10.00 **Conservation biological control of codling moth, *Cydia pomonella*.** Lene Sigsgaard (University of Copenhagen, Denmark)
- 10.20 **Discussion**
- 10.30 **COFFEE**

**Session 3: "Landscape investigations"**

*Session Organiser:* Daniela Lupi (The University of Milan, Italy)

- 11.00 **Constraints for studying the management of cereal moth borers with a landscape approach: a case study in North Benin.** Robin Drieu<sup>1</sup>, Pierre Silvie<sup>2</sup>, Philippe Menozzi<sup>3</sup>, Cyrille Adda<sup>4</sup>, Joel Huat<sup>3</sup>, Sandrine Auzoux<sup>2</sup>, Valérie Soti<sup>3</sup>, Régis Goebel<sup>2</sup> (<sup>1</sup>Montpellier SupAgro, France; <sup>2</sup>CIRAD, France; <sup>3</sup>CIRAD, Benin; <sup>4</sup>Africa Rice Center, Benin)
- 11.20 **A remote sensing and GIS approach to the relationship between cane grub infestations and natural vegetation in the sugarcane landscape of Queensland, Australia.** Peter Zellner<sup>1,2</sup>, Camille Lelong<sup>1</sup>, Valérie Soti<sup>3</sup>, Annelise Tran<sup>1</sup>, Nader Sallam<sup>4</sup>, Andrew Robson<sup>5</sup>, François-Régis Goebel<sup>1</sup>

(<sup>1</sup>CIRAD, France; <sup>2</sup>University of Würzburg, Germany; <sup>3</sup>CIRAD, Senegal; <sup>4</sup>SRA Limited, Australia; <sup>6</sup>Agri- Science Queensland, Australia)

11.40 **Composition and diversity of the weed flora influenced by arable management in a large-scaled agricultural landscape in North-East Germany.** Ines Heyer, Bärbel Gerowitt (University of Rostock, Germany)

12.00 **Effects of reforestation with non-native species on rove beetles (*Coleoptera: Staphylinidae*).** Dávid D. Nagy<sup>1</sup> & Zsuzsanna Debnár<sup>2</sup> (<sup>1</sup>MTA-DE Biodiversity and Ecosystem Services Research Group; <sup>2</sup>University of Debrecen, Hungary)

12.20 **Discussion and concluding remarks**

12.30 LUNCH & DEPART

## POSTERS

**The effects of mulching as habitat manipulation on the biodiversity of spiders (Araneae) on potato fields in Hungary.** Gergely Ambrus, Péter Dudás & Ferenc Tóth (Szent István University, Hungary)

**Field margins for biocontrol and biodiversity across crop rotations: Overview of the aims and approaches of Defra project IF01122.** Jason Baverstock<sup>1</sup>, Judith. K. Pell<sup>2</sup>, Jonathan Storkey<sup>1</sup>, Martin T. Torrance<sup>1</sup>, Samantha M. Cook<sup>1</sup> (<sup>1</sup>Rothamsted Research, U.K.; <sup>2</sup>J. K. Pell Consulting, U.K.)

**Field margin vegetation as a bridge for predatory mites (Phytoseiidae) migration into raspberry plantations.** Jakub Garnis, Zbigniew T. Dąbrowski (Warsaw University of Life Sciences (SGGW), Poland)

**The QuESSA Project: Quantification of Ecological Services for Sustainable Agriculture.** John Holland<sup>1\*</sup>, Philippe Jeanneret<sup>2</sup>, Felix Herzog<sup>2</sup>, Anna-Camilla Moonen<sup>3</sup>, Walter Rossing<sup>4</sup>, Wopke van der Werf<sup>4</sup>, Jozsef Kiss<sup>5</sup>, Maarten van Helden<sup>6</sup>, Maria Luisa Paracchini<sup>7</sup>, James Cresswell<sup>8</sup>, Philippe Pointereau<sup>9</sup>, Bart Heijne<sup>10</sup>, Eve Veromann<sup>11</sup>, Daniele Antichi<sup>12</sup>, Martin Entling<sup>13</sup>, Bálint Balázs<sup>14</sup> (Game and Wildlife Conservation Trust, UK<sup>1</sup>; Agroscope Reckenholz-Tänikon

Research Station, Switzerland<sup>2</sup>; Scuola Superiore Sant'Anna, Institute of Life Sciences, Italy<sup>3</sup>; Wageningen University, The Netherlands<sup>4</sup>; Szent Istvan University, Hungary<sup>5</sup>; Université de Bordeaux, Ecole - BxScAgro, France<sup>6</sup>; Joint Research Centre of the European Commission, Italy<sup>7</sup>; University of Exeter, UK<sup>8</sup>; SOLAGRO, initiatives and innovations for energy, agriculture, and environment, France<sup>9</sup>; Stichting Dienst Landbouwkundig Onderzoek, Applied Plant Research, The Netherlands<sup>10</sup>; Estonian University of Life Sciences, Estonia<sup>11</sup>; University of Pisa, Italy<sup>12</sup>; University of Koblenz-Landau, Germany<sup>13</sup>; Environmental Social Science Research Group, Hungary<sup>14</sup>)

**Diversified habitat as reservoir for ground-dwelling arthropods (Col., Carabidae) - preliminary results.** Michał Hurej<sup>1</sup>, Jacek Twardowski<sup>1</sup>, Witold Łykowski<sup>2</sup> (<sup>1</sup>Wrocław University of Life and Environmental Studies, Poland)

**Weed composition and diversity of three organic farms in Hungary.** Zsuzsanna Keresztes, Zita Dorner, Mihály Zalai (Szent István University, Hungary)

**The impact of short rotation coppice (SRC) willow on insect diversity.** Joanna Krzysińska, Katarzyna Nijak (Institute of Plant Protection National Research Institute, Poland)

**Germination characteristics of *Apera spica-venti* biotypes susceptible and resistant to ALS inhibitors.** Marta Stankiewicz-Kosyl, Aleksander Ciepka (Warsaw University of Life Sciences, Poland)

**Ground spider variability in a dry meadow.** Daniela Lupi<sup>1</sup>, Anna Rocco<sup>1</sup>, Romana F. Eördegh, Costanza Jucker<sup>1</sup>; Paolo Pantini<sup>2</sup> (<sup>1</sup>University of Milan, <sup>2</sup>Museum of Natural Sciences, Bergamo, Italy)

**Testing for the weed control potential of seed predators in agroecosystems.** Paula R. Westerman, Heike Pannwitt, Christian Selig, Friederike de Mol, Bärbel Gerowitt (University of Rostock, Germany)

**Effects of field margins on the weed composition of organic cereals.** Mihály Zalai, Zsuzsanna Keresztes, Zita Dorner (Szent István University, Hungary)