



**International Organisation for Biological and Integrated
Control of Noxious Animals and Plants (IOBC)**

West Palearctic Regional Section (WPRS)

Organisation Internationale de Lutte Biologique et Intégrée contre les Animaux et les Plantes Nuisibles (OILB)

Section Régionale Ouest Paléarctique (SROP)

FINAL PROGRAMME

IOBC/WPRS Working Group

“Landscape management for functional biodiversity”

Meeting 7-10 May 2012, Lleida, Spain

ORGANIZING COMMITTEE

**María José Sarasúa
Jesús Avilla
Georgina Alins
Jaume Lordan**

SCIENTIFIC COMMITTEE

**John Holland (Convenor)
Baerbel Gerowitt (co-convenor)
Oscar Alomar (Local organiser)
Felix Bianchi
Lisa Eggenschwiler
Maarten van Helden
Camilla Moonen
Michael Poehling
Walter Rossing**

MONDAY 7TH MAY 2012

15.30 h. - 19.00 h. REGISTRATION, COLLECTION OF DOCUMENTATION AND POSTER SET UP -
Centre de Cultures i Cooperació Transfonterera (Center of Cultures and Transboundary
Cooperation) - Campus de Cappont of the University of Lleida located at 67 Jaume II St.

19.30 h. - 22.00 h. VISIT TO THE “SEU VELLA” (OLD CATHEDRAL) AND WELCOME COCKTAIL we
will meet together at 19.00 h. at the Center of Cultures and Transboundary Cooperation - Campus
de Cappont of the University of Lleida located at 67 Jaume II St.

TUESDAY 8TH MAY 2012

08.30 h. REGISTRATION - *Centre de Cultures i Cooperació Transfonterera* (Center of Cultures and
Transboundary Cooperation) - Campus de Cappont of the University of Lleida located at 67 Jaume
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09.00 h. Introduction (John Holland, Bärbel Gerowitt) & IOBC presentation (Lene Siggaard).

Session 1: Companion planting (Chair: Bärbel Gerowitt)

09.15 h. *“Attractiveness of flowers of different plant species to bees (Hymenoptera: Apoidea) and hoverflies (Diptera: Syrphidae) of Central Spain”.* Jelena Barbir, José Manuel Martín, David Campos, César Fernández-Quintanilla, Francisco Rubén Badenes-Pérez, José Dorado.

09.30 h. *“Provision of ecological infrastructures to increase pollinators and other beneficial organisms in rainfed crops in Central Spain”.* Elisa Viñuela, Ángeles Adán, Joaquín Rodríguez, Sara Hernando, José Dorado, César Fernandez-Quintanilla, Germán Canomanuel, Alberto Fereres.

09.45 h. *“The suitability of field margin flowers as food source for Chrysoperla lacewings”* Paul C.J. van Rijn.

10.00 h. *“Effect of additional resources on aphidophagous parasitoid wasp activity on field margins in arable landscapes”* Mark Ramsden, Rosa Menendez, Simon Leather, Felix Wäckers.

10.15 h. DISCUSSION

10.30 h. COFFEE BREAK

11.00 h. *“Perennial field margins for functional biodiversity in UK vegetable rotation schemes: Establishment and resource provision”.* David R. George, Patricia Croft, Maureen Wakefield, Felix Wäckers.

11.15 h. *“Preliminary evaluation of sugars from flowering plants as food resources for Chrysoperla carnea (Stephens) (Neuroptera: Chrysopidae) in an olive agroecosystem”* Anabela Nave, Fátima Gonçalves, Maria da Conceição Rodrigues, Fernando Nunes, Mercedes Campos, Laura Torres.

11.30 h. *“Effects of companion plants on the behavior of the green peach aphid reared on pepper plants”* Refka Ben Issa, Laurent Gomez, Marie-Hélène Sauge, Hélène Gautier.

11.45 h. *“The impact of companion planting on the parasitism rate of the small white butterfly Pieris rapae (Lepidoptera: Pieridae)”* Riina Kaasik, Gabriella Kovács, Anne Luik, Eve Veromann.

12.00 h. *“Promoting agri-environment schemes for conservation biocontrol”.* John Holland.

12.15 h. DISCUSSION

12.30 h. LUNCH



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Session 2: Landscape studies 1 (Chair: Felix Bianchi)

14.00 h. *“Towards integrated assessment of natural pest control as part of a set of ecosystem services: the Landscape IMAGES approach”* Walter A.H. Rossing, Jeroen C.J. Groot.

14.15 h. *“Enhancing wild bees in agricultural landscapes”*. Silvia Dorn, Antonia Zurbuchen, Andreas Müller.

14.30 h. *“Spatial variability in ecosystem services: which predator does best where?”* Felix Bianchi, Nancy Schellhorn, Yvonne Buckley, Hugh Possingham.

14.45 h. *“Current status and potential future impact of invasive vespid wasps (Vespula germanica and Polistes dominulus) in South Africa”*. Ruan Veldtman, Pia Addison, Geoff D. Tribe.

15.00 h. *“Italian rice agroecosystems: a threat to insect biodiversity?”* Daniela Lupi, Sara Savoldelli, Anna Rocco, Bruno Rossaro.

15.15 h. *“Can surrounding landscapes be predictive of in-field pest infestation?”* Peter B. Goodell, Kris Lynn-Patterson, Robert J. Johnson.

15.30 h. DISCUSSION

15.45 h. Discussion: Techniques for measuring functional biodiversity

16.30 h. COFFEE BREAK

16.45 h. POSTER FLASH PRESENTATIONS & POSTER SESSION

WEDNESDAY 9TH MAY 2012

08.30 h. REGISTRATION

Session 3 Biodivine: Setting up biodiversity conservation actions in viticulture (Chair: Maarten van Helden)

08.45 h. *“Viticulture, landscape and functional biodiversity: agronomy, ecology, sociology and economy”* Maarten van Helden, Josépha Guenser, Emma Fulchin, Joël Rochard, Benjamin Porte.

09.00 h. *“GIS for planning conservation actions in viticulture landscapes”* Benjamin Porte, Joël Rochard, Maarten van Helden, Josépha Guenser, Emma Fulchin.

09.15 h. *“Monitoring arthropod diversity in Douro wine region vineyards”* Alexis Rataux, Cristina Carlos, Fátima Gonçalves, José Aranha, Josépha Guenser, Fernando Alves, Maarten Van Helden.



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09.30 h. *“Protocol for assessing bird abundance and richness in vineyards. A case study in Penedès area”* Francesc-Xavier Macià Valverde, Ignasi Torre, Josep R. Torrentó Marselles.

09.45 h. DISCUSSION

10.00 h. COFFEE BREAK

Session 4: Landscape studies 2 (Chair: Walter Rossing)

10.30 h. *“Do the heterogeneity and composition of agricultural landscapes in Central Chile influence native and exotic coccinellids in alfalfa fields?”* Audrey A. Grez, Tania Zaviezo, Annia Rodríguez-San Pedro, Jaime Hernández, Paz Acuña.

10.45 h. *“Effects of landscape complexity on parasitoid diversity and parasitism rates in alfalfa aphids: preliminary results”* Marina Janković, Srđan Stamenković, Milan Plečaš, Aleksandar Četković, Željko Tomanović.

11.00 h. *“An attempt to identify the factors influencing weed seed predation in an area with large field size”* Daniel Daedlow, Paula R. Westerman, Bärbel Gerowitt.

11.15 h. *“The spatial distribution and the composition of wild bee species available for pollination of early strawberry varieties in four different countries”* Erica Juel Ahrenfeldt, Björn Kristian Klatt, Julie Arildsen, Nina Trandem, Georg Andersson, Teja Tschardt, Lene Sigsgaard.

11.30 h. *“Is there a landscape effect on moth pest (H. armigera) abundance and infestation rate in cotton crops in North Benin?”* Tsafack Menessong N, Menozzi P, Brevault T, Ouin A.

11.45 h. *“Effects of landscape complexity on parasitoid diversity and biological control of cereal aphids”* Milan Plečaš, Srđan Stamenković, Marina Janković, Aleksandar Četković, Željko Tomanović.

12.00 h. DISCUSSION

12.30 h. LUNCH

Session 5: Natural enemy ecology (Chair: Oscar Alomar)

14.00 h. *“The effect of buffer zone width on biodiversity”* Søren Navntoft, Lene Sigsgaard, Kristian Kristensen, Peter Esbjerg.

14.15 h. *“Coleostephus myconis (L.) Rchb.f. role in conservation biological control in an olive grove from Trás-os-Montes (Portugal)”* Maria Villa, Valentim Coelho, José Alberto Pereira, Sónia A.P. Santos, Albino Bento.



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14.30 h. *“A molecular analysis of predation by generalist predators on the codling moth and the oriental fruit moth in organic apple orchards”* Catherine Boreau de Roincé, Claire Lavigne, Jean-Michel Ricard, Pierre Franck, Jean-Charles Bouvier, Alain Garcin, W.O.C. Symondson.

14.45 h. *“Effect of organic farming and reduced tillage activity on functional diversity and density of spiders”* Hafiz Muhammad Tahir, Muhammad Khalid Mukhtar.

15.00 h. *“Effect of density dependence on seed predation in dryland cereals”* Valentina Atanackovic Joel Torra, Barbara Baraibar, Paula R. Westerman.

15.15 h. *“Diversity and abundance of spiders in the flora of the fruit area around Lleida (NE Spain)”* Jaume Lordan, Georgina Alins, María José Sarasúa.

15.30 h. DISCUSSION & CLOSING REMARKS

16.00 h. COFFEE BREAK

THURSDAY 10TH MAY 2012

09.00-13.00 h. VISIT TO THE “ZEPA DE MAS MELONS” (Artesa de Lleida), a local project of landscape management for special protection of steppe birds. (Starting point of the visit in Center of Cultures and Transboundary Cooperation - Campus de Cappont of the University of Lleida located at 67 Jaume II St.)

13.30 h. FAREWELL LUNCH

POSTERS

- 1.** *“Effect of management strategies on rove and ground beetles of a hilly area in Northern Italy”* Lupi Daniela, Eördegh F. Romana, Corsi Nicolò, Rebecchi Michele, Zanetti Adriano, Facchini Sergio, Colombo Mario.
- 2.** *“Can entomophagous Heteroptera take a role in suppressing herbivorous insect pests?”* Mohamed A. Amro and Farouk A. Abdel-Galil.
- 3.** *“Effect of a flowering trap crop on insect pests and their natural enemies”* Francisco Rubén Badenes-Pérez and Beatriz Parrado Márquez.
- 4.** *“Natural enemies in organic citrus orchards: trees and ground cover distribution”* Calabuig, A., Domínguez-Gento, A., Ballester, R., González, S., Vercher, R.
- 5.** *“Preliminary study of predatory insects fauna in ecological infrastructure of Ravni kotari (Croatia) vineyards”* Franin Kristijan, Ražov Josip, Barić Božena.



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6. *"Interactions in agroecosystems: a short review"* Wladimir B. Tshernyshev, Valentina M. Afonina.
7. *"Suitability of two different trap types for catching aphid antagonists and pollinators"* Lisa Eggenschwiler, Eve Roubinet, Christine Tisch, Paula Rodriguez, Katja Jacot.
8. *"Seasonal dynamics of the vertical distribution of arthropods in wheat field"* Alexandr Semenov.
9. *"Flowering forbs for field margins: selecting species that optimise ecosystem services"* Romain J.G. Carrié, David R. George, Felix L. Wäckers.
10. *"Variation partitioning of landscape structure on arable plant communities at field scale"* X. Solé-Senan, A. Juárez, J. Recasens, J. Torra, A. Royo, J.A. Conesa.
11. *"Complexes of arthropods inhabiting different levels of grassy vegetation"* Valentina Afonina, Wladimir Tshernyshev, Alexandr Semenov, Andrey Semenov
12. *"The selection of native insectary plants for landscaping in greenhouse areas of SE Spain"* Rodríguez, Estefanía; Schwarzer, Vicky; van der Blom, Jan; Cabello, Tomás; González, Mónica.
13. *"Evaluation of different ground covers to maintain botanical biodiversity in viticulture"* Maarten van Helden, Josépha Guenser, Emma Fulchin.
14. *"Carabid beetles as bioindicators in environment risk assessment of GMO's"* Marcin Grabowski, Zbigniew T. Dabrowski.
15. *"Hymenoptera abundance on candidate plants for conservation biological control"* Judit Arnó, Rosa Gabarra, Óscar Alomar.
16. *"The field margin vegetation as a bridge for the predatory mite (Phytoseiidae) migration into strawberry plantations"* Zbigniew T. Dąbrowski, Jakub Garnis.
17. *"Biodiversity of plants and arthropods in key ecological structures of vineyards of the Alto Douro region"* Carlos C., Afonso, S., Crespí, A., Aranha, J., Thistlewood, H., Torres, L.
18. *"Preliminary study on the suitability of Hymenoptera: Braconidae as bioindicators of the pest management system in the vineyards"* Augusto Loni, Andrea Lucchi.