

Symposium and workshops  
April 1-3 2014, Warsaw, Poland

# Opportunities for enhancement of Integrated Pest Management

## Programme

Tuesday, 1st April 2014: DAY 1 – SYMPOSIUM (building no. 48, room 150/151)	
8.00 – 9.00	Registration
9.00 – 9.30	Opening ceremony
<b>Session 1</b>	<b>Induced plant resistance: current advances and perspectives</b>
9.30 – 11.30	<b>Moderators:</b> Charles M. Smith and Małgorzata Kielkiewicz
	<ul style="list-style-type: none"> <li>• Uwe Conrath (D): Plant defense priming in lab and field (30min)</li> <li>• Charles M. Smith (USA): How knowledge of the molecular bases of plant resistance to arthropod pests increases efficiency of breeding for crop resistant cultivars (30min)</li> <li>• Bogusław Leszczyński (PL): Basis of induced cereals resistance to aphids (30min)</li> <li>• Barbara Karpińska (PL): Local and systemic responses to aphid infestation (30min)</li> </ul>
11.30 – 13.00	Lunch
13.00 – 15.00	<b>Moderators:</b> Uwe Conrath and Małgorzata Kielkiewicz
	<ul style="list-style-type: none"> <li>• Cezary Sempruch (PL): Role of polyamines metabolism in the induced plant resistance to aphids (30min)</li> <li>• Marcin Filipecki (PL): Biotechnology in the development of control strategies of plant parasitic nematodes (30min)</li> <li>• Joris Glas (NL): Russet mite-induced plant defenses increase tomato resistance to a phytopathogen but facilitate a competing herbivore (30min)</li> <li>• Małgorzata Kielkiewicz (PL): Co-occurrence of mite infestation and soil drought affects induced responses in maize (30min)</li> </ul>
15.00 – 15.30	Coffee break
<b>Session 2</b>	<b>Functional biodiversity: the role of ecological infrastructures and invasive (alien) pests and natural enemies</b>
15.30 – 16.45	<b>Moderators:</b> Maarten van Helden and Zbigniew T. Dąbrowski
	<ul style="list-style-type: none"> <li>• Krzysztof Kujawa, Jerzy Karg (PL): What we learn from 50 year large scale field study on the biodiversity in an agricultural landscape? (25min)</li> <li>• Maarten van Helden (FR): From basic to applied research in enhancing functional biodiversity in agrocenosis: case studies in viticulture (25min)</li> <li>• John Holland (UK): Critical evaluation of agri-environmental habitats as components of IPM (25min)</li> </ul>
16.45 – 18.00	<b>Poster session - presentation and discussion</b>
Wednesday, 2nd April 2014: DAY 2 – SYMPOSIUM (building no. 48, room 150/151)	
9.00 – 10.15	<b>Moderators:</b> Maarten van Helden and Zbigniew T. Dąbrowski
	<ul style="list-style-type: none"> <li>• Michael Traugott (A): Molecular trophic ecology improves our functional understanding of biodiversity in pest management (25min)</li> <li>• Stanisław Bałazy (PL): The role of landscape vegetation on antagonistic fungi (25min)</li> <li>• Zbigniew T. Dąbrowski (PL): Exploring the Polish sustainable agriculture in search of a benchmark for biodiversity management in intensive agriculture systems (25min)</li> </ul>
10.15 – 10.45	Coffee break



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<b>Session 3</b>	<b>Perspectives and bottlenecks in manipulation of insect behaviour for enhancement of IPM</b>
10.45 – 12.15	<b>Moderators:</b> Nikolaos Papadopoulos and Sławomir A. Lux
	<ul style="list-style-type: none"> <li>James R. Carey (USA): Reconceiving policies for invasive insect pests: towards a new paradigm for the 21<sup>st</sup> century (30min)</li> <li>Rod Blackshaw (UK): Area-wide control of wireworms: from optimism to reality (30min)</li> <li>Anna Malacrida (IT) (30min): IPM in the insect omics era: applications and relevance</li> </ul>
12.15 – 13.15	Lunch
13.15 – 14.45	<b>Moderators:</b> Sławomir A. Lux and Nikolaos Papadopoulos
	<ul style="list-style-type: none"> <li>Gosta Nachman (DK): The effects of spatial distributions and dispersal of prey and predators on the outcome of biological control (30min)</li> <li>Remigiusz W. Olszak (PL): Practical successes and limitations of using biological agents and semiochemicals in orchard pest control in Poland (30min)</li> <li>Teun Dekker (SE): Attractive host volatiles for <i>Bactrocera invadens</i> (30min)</li> </ul>
14.45 – 15.15	Coffee break
15:15 – 16.45	<b>Moderators:</b> Gosta Nachman and Sławomir A. Lux
	<ul style="list-style-type: none"> <li>Heidrun Vogt (D): Implications of biological and ecological traits of the European cherry fruit fly, <i>Rhagoletis cerasi</i>, for IPM tactics (30min)</li> <li>Nikolaos Papadopoulos (GR): Fruit flies invasion challenges management of fruit pests in Europe (30min)</li> <li>Sławomir A. Lux (PL): Agent-based modeling for site-specific 'precision IPM' – appraisal of research priorities (30min)</li> </ul>
<b>Thursday, 3rd April 2014: 3 DAY – WORKSHOPS (building no. 35, rooms 105 and 122)</b>	
<b>Workshop 1</b>	<b>Implications of biodiversity in genetically modified plants (room 105)</b>
9.00 – 10.30	<b>Moderator:</b> Zbigniew T. Dąbrowski
	<ul style="list-style-type: none"> <li>Ramon Albajes (ES): Assessing the effects of GM crops on biodiversity - 15 years of Bt maize field tests in Spain (30min)</li> <li>Jörg Romeis (AT): What approaches and methods developed for GM plants can be included in the evaluation of GM trees (30min)</li> <li>Stanisław Karpiński (PL): Economy lesson from genetically modified plants (30min)</li> </ul>
10.30 – 11.00	Coffee break
11.00 – 12.30	<b>Moderator:</b> Zbigniew T. Dąbrowski
	<ul style="list-style-type: none"> <li>Petter Axelsson (SE): Can genetically modified trees affect aquatic ecosystems? (30min)</li> <li>Jeremy Sweet (UK): Does the ERA for GM trees needs a special methodology? (30min)</li> <li>Salvatore Arpaia (IT): The AMIGA contribution to assessment and monitoring of the GM plants impact on agro-ecosystems (30min)</li> </ul>
12.30 – 13.30	Lunch
<b>Participatory training on the risk assessment of the GM trees (room 105)</b>	
13.30 – 17.00	<b>Moderator:</b> Detlef Bartsch
	<ul style="list-style-type: none"> <li>Cristina Vettori (IT): Experience of Cost Action FP 0905 in the assessment of technical environmental implication of GM trees in Europe (30min)</li> <li>Detlef Bartsch (D): Genetically modified plants and their effect on biodiversity - the German experience (30min)</li> <li>Detlef Bartsch (D): Exercises - Environmental Risk Assessment of GM trees (30min)</li> </ul>

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<b>Workshop 2</b>	<b>On-farm behaviour of <i>Rhagoletis cerasi</i> and <i>Drosophila suzukii</i> and its modelling for enhancement of IPM (room 122)</b>
9.00 – 10.30	<b>Moderator:</b> Sławomir A. Lux
	<ul style="list-style-type: none"> <li>• Heidrun Vogt, Felix Briemand Kirsten Köppler (D): Occurrence of <i>D. suzukii</i> in Germany and recent findings (30 min)</li> <li>• Teun Dekker (SE): Olfactory correlates of <i>Drosophila suzukii</i>'s shift from rotten to ripe (30 min)</li> <li>• Orkun Kovanci (TR): The biology, ecology and current status of integrated control of <i>Rhagoletis cerasi</i> in Turkey (30 min)</li> </ul>
10.30 – 11.00	Coffee break
11.00 – 12.30	<b>Moderator:</b> Heidrun Vogt
	<ul style="list-style-type: none"> <li>• Katerina Bandzo (MK): Flight dynamics of the European cherry fruit fly (<i>Rhagoletis cerasi</i> L.) in the area around Skopje, R. Macedonia, and influence of some characteristics of the cherry varieties on the fruit infestation percentage by <i>R. cerasi</i> (30 min)</li> <li>• Katrina Merkel, Thomas S. Hoffmeister (D): From individual behavior to population effects: a study on <i>Fopius arisanus</i> (30 min)</li> <li>• Nikolaos Papadopoulos (GR): Dormancy responses and management decisions for <i>Rhagoletis cerasi</i> (30 min)</li> </ul>
12.30 – 13.30	Lunch
13.30 – 14.00	<b>Moderator:</b> Nikolaos Papadopoulos
	<ul style="list-style-type: none"> <li>• Sławomir A. Lux (PL): Modeling how grower and consumer priorities influence on-farm behavior and IPM of <i>R. cerasi</i> (30 min)</li> </ul>

