

# Programme

## Wednesday, June 22

**17:00-19:00**      **Registration and poster mounting**  
**19:00-20:30**      **Welcome reception**

## Thursday, June 23

**8:00-9:00**      **Registration and poster mounting**  
**9:00-9:20**      **Welcome addresses and introduction**  
**9:20-9:30**      **Short presentation on IOBC/WPRS** (Bigler, Franz)  
**9:30-9:40**      **Short presentation on MOBITAG project** (Sehnal, František)  
**9:40-10:10**      **Hutchison, William D.** (*invited*)  
Areawide suppression of European Corn Borer with Bt maize reaps savings to non-Bt maize growers: A new rationale for Bt maize adoption in Europe?

**10:10-10:50**      **COFFEE**

*Session I*      *GMHT crops*

*Chair*      *Gielkens, Marco*

10:50-11:20      **Soukup, Josef, Jursík, M., Holec, J.** (*invited*)

Changes in weed communities exposed to herbicides or herbicide-tolerant GM crops

11:20-11:40      **Pálinkás, Zoltán, Zalai, M., Szénási, Á., Dorner, Z., Szekeres, D.**

Botanical and arthropod diversity in GM HT maize treated with glyphosate or conventional herbicides

11:40-12:10      **Bohan, David A.** (*invited*)

Large scale effects: lessons from the GB farm scale evaluations of GM herbicide-tolerant crops

**12:10-13:40**      **LUNCH**

*Session II*      *Non-target effects of GM crops*

*Chair*      *Gathmann, Achim*

13:40-14:00      **Albajes, Ramon, Lumbierres, B., Madeira, F., Pons, X.**

Field trials to assess risks of transgenic crops for non-target arthropods

14:00-14:20      **Meissle, Michael, Álvarez-Alfageme, F., Romeis, J.**

Characterizing arthropod biodiversity in European field margins for environmental non-target risk assessment of genetically engineered crops

14:20-14:40 Schuppener, M., Aha, J., **Rauschen, Stefan**  
Environmental Risk Assessment for European non-target butterfly species and a Lepidoptera-resistant stacked Bt-maize variety

**14:40-15:20 COFFEE**

**Session III** *Non-target effects of Bt crops*

**Chair** *Thieme, Thomas*

15:20-15:40 **Svobodová, Zdeňka**, Habuštová, O., Hussein, H.M., Sehnal, F.  
Results from a two-year study on the impact of GM maize expressing Cry3Bb1 toxin on non-target arthropods

15:40-16:00 Twardowski, J.P., Bereś, P., **Dąbrowski, Zbigniew T.**, Hurej, M., Klukowski, Z., Warzecha, R., Sowa, S.  
Three year observations on the arthropod fauna on MON 810 as compared to commercial maize cultivars in southern Poland

16:00-16:20 **Schultheis, Eva**, Slusarenko, A.J., Rauschen, S.  
Assessment of the environmental impact of a “stacked” Bt-maize line with multiple insect-resistances on non-target arthropods using *Trigonotylus caelestialium* as a model organism

16:20-16:40 **Hagenbucher, Steffen**, Wäckers, F.L., Romeis, J.  
Indirect interactions between the induced defence system and the *Bt*-trait in insect-resistant cotton

**16:40-18:00 Poster presentations**

**Friday, June 24**

**Session IV** *GM arthropods*

**Chair** *Beech, Camilla*

9:00-9:30 **Mumford, John D.**, Bonsall, M.B. (*invited*)  
Risk analysis of genetically modified insects, invasive species and beneficial organism releases to the environment

9:30-9:50 **Beech, Camilla J.**  
Genetically ‘sterile’ insects in pest control programmes for public health and agriculture: Current status and future prospects

9:50-10:10 **Eckerstorfer, Michael**, Benedict, M., Franz, G., Gaugitsch, H., Greiter, A., Heissenberger, A., Knols, B., Kumschick, S., Nentwig, W., Rabitsch, W.  
Defining environmental risk assessment criteria for GM insects to be placed on the EU market

10:10-10:30 Devos, Y., Christodoulidou, A., Ehlert, C., Fernandez Dumont, A., Liu, Y., Mestdagh, S., Podevin, N., Lheureux, K., Bergman, P., **Waigmann, Elisabeth**  
EFSA's work on the safety assessment of genetically modified animals

**10:30-11:10 COFFEE**

11:10-11:40 **Devos, Yann**, Mestdagh, S., Lheureux, K. (*invited*)  
EFSA GMO Panel Guidance Document on the Environmental Risk Assessment of GM plants – Analysis of key elements and stakeholder comments

11:40-12:00 Discussion

**12:00-13:30 LUNCH**

*Session V Non-target effects of insecticidal GM crops*

*Chair Albajes, Ramon*

13:30-13:50 **Lüthi, Christoph**, Álvarez-Alfageme, F., Romeis, J.

Assessing the impact of bruchid-resistant ( $\alpha$ AI-1) transgenic legumes on hymenopteran parasitoids

13:50-14:10 **Priesnitz, Kai U.**, Thieme, T., Benker, U.

Potential impact of a genetically engineered stacked *Bt*-maize on ground beetles (Carabidae): field and laboratory studies

14:10-14:30 **Romeis, Jörg**, Hellmich, R.L., Candolfi, M.P., Carstens, K., De Schrijver, A., Gatehouse, A.M.R., Herman, R.A., Huesing, J.E., McLean, M.A., Raybould, A., Shelton, A.M., Waggoner, A.

Recommendations for the design of laboratory studies on non-target arthropods for risk assessment of genetically engineered plants

**14:30-15:10 COFFEE**

*Session VI Novel GM crops*

*Chair Rauschen, Stefan*

15:10-15:40 **Balázs, Ervin** (*invited*)

Novel approaches in genetic engineering in relation to the current regulation frames

15:40-16:10 **McLean, Morven A.** (*invited*)

Environmental risk assessment of insect-resistant RNAi plants: what's different?

16:10-16:30 Discussion

**17:00-22:00 Outdoor party**

## Saturday, June 25

### *Session VI*

#### *Novel GM crops (continued)*

#### *Chair*

*Schiemann, Joachim*

9:00-9:20

**Álvarez-Alfageme, Fernando**, von Burg, S., Romeis, J.

Effect of transgenic powdery mildew-resistant wheat on naturally occurring insect herbivores under different environmental conditions

9:20-9:40

**Drechsler, Nadine**, Thieme, T., Habekuss, A., Schubert, J.

Quantification of *Barley yellow dwarf virus* and *Wheat dwarf virus* in transgenic wheat and conventional cultivars

9:40-10:00

**Schlichting, André**, Hühnlein, A., Schubert, J., Leinweber, P., Thieme, T.

Effects of aphids and virus infection on the metabolism of conventional and transgenic potato plants

10:00-10:20

**Hoofman, Danny A.P.**, Bullock, J.M., Hails, R.S.

Seed bank, seed bank, seed bank: the population persistence of *Brassica* hybrids is influenced by crop rotations

**10:20-10:50**

**COFFEE**

### *Session VII*

#### *Bt crops: toxin expression and application*

#### *Chair*

*Sehnal, František*

10:50-11:10

**Sauer, Annette J.**, Nguyen, H.T., Nagel, D., Jehle, J.A.

Establishing of protein standards for Cry3Bb1, Cry2Ab2 and Cry1A.105 and quantification of multiple Cry protein expression in transgenic corn

11:10-11:30

Takács, E., Juracsek, J., Fónagy, A., **Székács, Andras**

Monitoring Cry34Ab1 and Cry35Ab1 protein concentrations in transgenic maize (*DAS-59122-7*)

11:30-11:50

López, C., Pérez-Hedo, M., Marques, T., **Eizaguirre, Matilde**

Tracking the fate of the Bt protein Cry1Ab in non-target Lepidopteran maize pests

11:50-12:10

**Sowa, Slawomir**

Environmental and economic aspects of permitting cultivation of genetically modified crops in Poland

**12:10-12:30**

**Discussion on future activities of the working group; working-group business** (Romeis, Jörg)

**12:30**

**Closure of the meeting**

**12:30-14:00**

**LUNCH**

## POSTER PRESENTATIONS

- 1) Grabczyńska, E., **Linkiewicz, Anna**, Sowa, S.  
Standardization of ELISA based method for quantification of Cry 1Ab protein
- 2) **Rosca, Ioan**, Cagan, L.  
Researches regarding influence of genetically modified corn on Coccinellidae fauna
- 3) **Rosca, Ioan**, Cagan, L.  
Researches regarding influence of genetically modified corn on Neuropteran fauna
- 4) **Kocourek, František**, Holý, K., Stará, J.  
Bt-maize and Trichogramma wasp - compatible strategies against European corn borer
- 5) Navrátil, O., Kodrík, D., Kludkiewicz, B., **Vinokurov, Konstatin S.**, Sehnal, F., Horáčková, V.  
Protease inhibitors as a possible new factor in agricultural plant protection against microbial and fungal attack
- 6) **Müller, Anne-Katrin**, Schuppener, M., Rauschen, S.  
Assessing the impact of Cry1Ab expressing corn pollen on larvae of *Aglais urticae* in a laboratory bioassay
- 7) **Grabowski, Marcin**, Grabczyńska, E., Czapla, A., Dąbrowski, Z.T.  
Laboratory studies on the effect of genetically modified maize MON 810 on selected carabid beetles (Coleoptera: Carabidae)
- 8) **Czapla, Anna**, Grabczynska E., Grabowski M., Kielkiewicz M.  
The potential effect of Bt-maize on non-target primary and secondary consumers
- 9) **Czapla, Anna**, Kielkiewicz, M., Zagdanska, B.  
The involvement of antioxidant enzymes in the protection of maize against non-target mite-herbivores and soil drought
- 10) **Czapla, Anna**, Kurczak, P., Kielkiewicz, M.  
The unexpected impact of Bt-maize on non-target insect-pest - the rose-grain aphid
- 11) Bereś, P., **Dabrowski, Zbigniew T.**, Kucharczyk, H., Czapla, A., Grabczyńska, E.  
Thrips on maize and their role in transferring Cry1Ab between trophic levels
- 12) **Álvarez-Alfageme, Fernando**, Bigler, F., Romeis, J.  
Laboratory toxicity studies demonstrate no adverse effects of Cry3Bb1 and Cry1Ab to larvae of *Adalia bipunctata* (Coleoptera: Coccinellidae)

- 13) **Álvarez-Alfageme, Fernando**, Meissle, M., Malone, L., Knecht, S., Nentwig, W., Romeis, J., Bigler, F.  
Database of terrestrial arthropods in European maize fields
- 14) von Burg, S., van Veen, F., **Álvarez-Alfageme, Fernando**, Romeis, J.  
Structure of an aphid-parasitoid food web on transgenic disease-resistant wheat
- 15) **Hussein, Hany M.**, Svobodová, Z., Habuštová, O., Sehnal, F.  
Effects of GM maize MON 88017 on the non-target, plant-dwelling insects
- 16) **Devos, Yann**, Hails, R.S., Messéan, A., Perry, J.N., Squire, G.R.  
Are concerns about feral genetically modified herbicide tolerant oilseed rape resulting from seed import spills scientifically justified?