Program

14th International Conference on Organic Fruit-Growing

Patronage: IFOAM EU Group
Monday, 22nd February 2010

10.00 – 10.30  Welcome addresses
Prof. Dr. Liebig, Rector of the University of Hohenheim
Prof. Dr. Bessei, Vice-Dean of the Faculty of Agriculture
Dr. K. Rühl, MLR Stuttgart
R. Ortlieb, Foeko
M. Schlüter, ifoam EU Group

10.30 – 10.45  TP ORGANICS – Technology platform for organic food and farming: A vision to set the organic research agenda of tomorrow
M. Schlüter, ifoam (B-Brussels)

Pome Fruit: Varieties and Strategies for Breeding
Chair: U. Mayr, F. Ruess

10.45 – 11.00  The Golden Sunshine Line® - a new apple series from breeding to marketing
F. Ruess (D-Weinsberg)

11.00 – 11.15  Apple Scab (Venturia inaequalis (Cooke) Wint.) attacks on cultivars and genotypes carrying different resistant genes in plantings with breaking through Vf - Rvi6 Gene
R. Vávra (CZ-Holovousy)

11.15 – 11.30  Assessment of the susceptibility to pests and diseases of 36 apple cultivars in four low-input organic orchards in France
C-E. Parveaud (F-GRAB)

11.30 – 11.45  Advanced strategies for breeding fire blight resistant high quality apples
I. Baumgartner (CH-Wädenswil)

11.45 – 12.15  Discussion

12.15 – 14.00  Lunch break

Strategies for Disease Control
Chair: P.J. Jansonius, M. Trapman

14.00 – 14.15  Screening of biocontrol agents for their efficacy against apple scab
S. Kunz (D-Konstanz)

14.15 – 14.30  Preventative and curative applications of carbonates against apple scab (Venturia inaequalis) in organic apple orchards
M. Kelderer (I-Laimburg)

14.30 – 14.45  Copper free production of organic Elstar apples: three years experience in The Netherlands
M. Trapman (NL-Zoelmond)
Monday, 22\textsuperscript{nd} February 2010

14.45 – 15.00 Technical copper minimising strategies to keep an old friend going  
\textit{U. Nannen (D-Hamburg)}

15.00 – 15.05 Toxicity of lime sulphur on predatory mite \textit{Typhlodromus pyri} in apple  
\textit{V. Psota (CZ-Brno)}

15.05 – 15.10 Epidemiological research on the etiology of twig scab as basis for a rational and ecological disease management  
\textit{W. Van Hemelrijck (BE-Sint Truiden)}

15.10 – 15.15 Effects of beetroot Vinasse on ascospore formation of \textit{Venturia pirina} in a one-year field trial on an organic Conference orchard  
\textit{B. Timmermans (NL-Driebergen)}

15.15 – 15.40 Discussion Strategies for Scab Control

15.40 – 16.10 Coffee break

16.10 – 16.25 Sooty blotch of apple – a progress report  
\textit{U. Mayr (D-Bavendorf)}

16.25 – 16.40 Combined treatments with BoniProtect (\textit{Aureobasidium pullulans}) and hot water to control storage diseases  
\textit{M. Trapman (NL-Zoelmond)}

16.40 – 16.55 Controlling \textit{Gloeosporium} rot on Pinova apple fruits  
\textit{M. Kelderer (I-Laimburg)}

16.55 – 17.00 Effect of different treatments with oil cakes, plant protection agents and potassium phosphite to control collar rot on Topaz  
\textit{M. Kelderer (I-Laimburg)}

17.00 – 17.15 UV-c radiation as an alternative tool to control powdery mildew on apple and strawberry  
\textit{W. Van Hemelrijck (BE-Sint Truiden)}

17.15 – 17.35 Discussion Strategies for Disease Control

17.35 – 17.50 Monitoring \textit{E. amylovora} using Real Time PCR  
\textit{R. Vögele, (D-Hohenheim)}

17.50 – 18.05 Fire blight control strategies in organic fruit growing  
\textit{S. Kunz (D-Konstanz)}

18.05 – 18.15 Discussion Strategies Fireblight Control

18.15 – 20.00 Assembly of the advisory group on fruit and Vegetable of the IFOAM EU Group: \textit{Members only}

20.00 Dinner
### Sustainability
*Chair: Peter Maxin*

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<td>8.30 – 8.40</td>
<td>Introduction</td>
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<td>R. Ortlieb, Foeko</td>
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<tr>
<td>8.40 – 8.45</td>
<td>The Foeko Working Group “Intensive Extensive”</td>
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<td>R. Ortlieb, Föko</td>
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<td>8.45 – 9.00</td>
<td>Potential and limits of Pesticide Free Apple Growing by a self-regulating orchard set-up: project presentation and first experiences</td>
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<td>F. Weibel (CH-Frick)</td>
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<td>9.00 – 9.15</td>
<td>Rosy apple aphid (<em>Dysaphis plantaginea</em> Pass.): observations on population dynamics and experiences of natural control</td>
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<td>L. Mattedi (I-San Michele)</td>
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<td>9.15 – 9.20</td>
<td>Enhancing abundance of natural enemies in apple orchard using flowering strips</td>
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<td>V. Falta (CZ-Prague)</td>
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<td>9.20 – 9.25</td>
<td>Towards more sustainability in organic fruit growing: German fruitgrowers first steps to improve their production system</td>
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<td>J. Kienzle (D-Kernen)</td>
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<td>9.25 – 10.00</td>
<td>Discussion: Strategies for a more sustainable system</td>
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<td>10.00 – 10.30</td>
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### Soil Management
*Chair: Franco Weibel*

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<td>Multitrophic effects of organic fertilization and tree-row management in cider-apple orchards</td>
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<td><em>E. Dapena</em> (ES-Serida)</td>
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<td>10.45 – 11.00</td>
<td>Studies on earthworm populations in orchards</td>
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<td><em>P. Scheewe</em> (D-Dresden)</td>
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<td>11.00 – 11.05</td>
<td>Influence of effective microorganisms (EM) on yield and quality in organic apple production</td>
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<td><em>M. Filipp</em> (AU-Vienna)</td>
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<td>11.05 – 11.35</td>
<td>Discussion Strategies Soil Management</td>
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**Economy and Development of Organic Production Systems**
*Chair: Peter Maxin*

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<td>11.35 – 11.50</td>
<td>Cost price calculations for organically and conventionally grown apples in Sweden</td>
<td>J. Ascard (SE-Alnarp)</td>
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<td>11.50 – 11.55</td>
<td>Improving organic apple growing in Kosovo and Albania – a challenge</td>
<td>E. Kullaj (AL-Tirana)</td>
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<td>11.55 – 12.00</td>
<td>Promoting organic food in Albania</td>
<td>E. Leksinaj (AL-Tirana)</td>
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<td>12.00 – 12.15</td>
<td>Discussion Economy and Development of Organic Systems</td>
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<td>12.15 – 14.00</td>
<td>Lunch break</td>
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<td>14.00 – 15.30</td>
<td>Poster presentation</td>
<td><em>Posters see list at the end of the program</em></td>
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**Management Strategies in Small Fruit Cultivation**
*Chair: B. Pfeiffer*

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<td>15.30 – 15.35</td>
<td>Black and red currant cultivars for organic production</td>
<td>H. Lindhard (DK-Aarslev)</td>
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<tr>
<td>15.35 – 15.40</td>
<td>Biological control of American gooseberry mildew - cultivation systems and preventive applications</td>
<td>L. Brockkamp (D-Weinsberg)</td>
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<td>15.40 – 15.45</td>
<td>Effect of potassium bicarbonate on the control of powdery mildew (Sphaerotheca mors-uvae) of gooseberry (Ribes uva-crispa) of gooseberry (Ribes uva-crispa)</td>
<td>M. Wenneker (NL-Wageningen)</td>
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<td>15.45 – 16.00</td>
<td>Discussion Management Strategies in Gooseberriey and Black and Red Currant Cultivation</td>
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<tr>
<td>16.00 - 16.05</td>
<td>Which strawberry varieties are suitable for organic fruit growers?</td>
<td>B. Pfeiffer (D-Weinsberg)</td>
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<td>16.05 - 16.10</td>
<td>Evaluation of strawberry cultivars for resistance to Verticillium dahliae Kleb.</td>
<td>K. Olbricht (D-Dresden)</td>
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<td>16.10 – 16.25</td>
<td>Yield and fruit quality parameters of new early-ripening strawberry cultivars in organic growing on a highly Verticillium-infested site</td>
<td>H. Weissinger (AU-Vienna)</td>
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16.25 – 16.30  Difficulties with mustard as a biofumigation possibility against *Verticillium*-Wilt
*C. Steen (D-Nuertingen)*

16.30 – 16.35  Testing of varieties, mulch materials and biofungicides Supresivit (*Trichoderma harzianum*) and Polyversum (*Pythium oligandrum*) in organic strawberries
*S. Bocek (CZ-Brno)*

16.35 – 16.40  Effect of Plant Growth-Promoting Bacteria on mineral – organic fertilizer use efficiency, plant growth and mineral contents of strawberry (*Fragaria x ananassa* L. Duch.)
*H. Karlidag (TUR-Izmir)*

16.35 – 16.40  Effect of new organic fertilizers on growth of strawberry cv. Elsanta: Preliminary results
*E. Malusa (PL-Skierniewice)*

16.40 – 16.45  Evaluation of the product Soleo® for control of powdery mildew in strawberry
*D. Bernad (ES-Zaragoza)*

16.45 – 17.15  Discussion Management Strategies in Strawberry Cultivation

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<th>Management Strategies in Stone Fruit Cultivation</th>
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<td><em>Chair: F. Warlop</em></td>
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17.15 – 17.30  Testing of different sour cherry varieties under organic cultivation
*B. Pfeiffer (D-Weinsberg)*

17.30 – 17.35  Suitability of sweet cherry cultivars for organic production in Eastern Austria
*A. Spornberger (AU-Vienna)*

17.35 – 17.40  The first results of *Trichoderma asperellum* treatment in production of organic sour cherries
*J. Kowalska (PL-Poznan)*

17.40 – 17.45  An experience of cherry fruit fly *Rhagoletis cerasi* control with nets in Trentino, Italy
*A. Grassi (I-San Michele)*

17.45 – 18.15  Discussion Management Strategies in Stone Fruit Cultivation
### Stone Fruit: Strategies for Plum Moth Control  
*Chair: F. Warlop*

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<tr>
<td>8.30 – 8.45</td>
<td>Regulation of plum moth (<em>Cydia funebrana</em>) with mating disruption and entomopathogenic nematodes in organic orchards</td>
<td>G. Schmückle-Tränkle (D-Weinsberg)</td>
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<td>8.45 – 9.00</td>
<td>Laboratory experiments with entomopathogenic fungi on artificial hideouts for biocontrol of <em>Cydia pomonella</em> and <em>Cydia funebrana</em></td>
<td>D. Stephan (D-Darmstadt)</td>
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<td>9.00 – 9.15</td>
<td>Infection of the plum fruit moth, <em>Cydia funebrana</em> (Lepidoptera: Tortricidae) by <em>Cydia pomonella granulovirus</em> (<em>CpGV</em>)</td>
<td>A. Reineke (D-Geisenheim)</td>
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<td>9.15 – 9.30</td>
<td>Discussion Strategies for Plum Moth Control</td>
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<td>9.30 – 10.00</td>
<td>Coffee break</td>
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### Management Strategies for Codling Moth Control  
*Chair: J. Kienzle*

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<tr>
<td>10.00 – 10.15</td>
<td>Resistance of codling moth against <em>Cydia pomonella</em> granulovirus (<em>CpGV</em>): State of knowledge</td>
<td>J. Jehle (D-Darmstadt)</td>
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<td>10.15 – 10.30</td>
<td>Efficacy of new <em>CpGV</em> (<em>Cydia pomonella</em> Granulovirus) isolates against resistant and susceptible Codling moth populations in Italy</td>
<td>S. Caruso (I-Modena)</td>
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<td>10.30 – 10.35</td>
<td>Application of molecular methods to identify genes involved in <em>CpGV</em>-resistance of the codling moth, <em>Cydia pomonella</em></td>
<td>N. Gund (D-Geisenheim)</td>
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<td>10.35 – 10.40</td>
<td>The effect of controlling codling moth (<em>Cydia pomonella</em>) with <em>Steinernema carpocapsae</em> (Nemasys® C) on crop yield</td>
<td>A.P. Brown (GB-Littlehampton)</td>
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<td>10.40 – 10.45</td>
<td>Regulation of <em>Cydia pomonella</em> by <em>Steinernema feltiae</em> in Northern Germany</td>
<td>B. Benduhn (D-Jork)</td>
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<td>10.45 – 10.50</td>
<td>Three years experience with entomopathogenic nematodes for the control of overwintering codling moth larvae in different regions of Germany</td>
<td>J. Kienzle (D-Kernen)</td>
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<td>10.50 – 10.55</td>
<td>Laboratory experiments to determine the liquid formulation for a spraying application technique for <em>Trichogramma</em> parasitized eggs to control the codling moth <em>Cydia pomonella</em></td>
<td>O. Zimmermann (D-Darmstadt)</td>
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Wednesday, 24th February 2010

10.55 – 11.10 Overview of “ALT’CARPO” concept and its development in France
   F. Warlop (F-Avignon)

11.10 – 11.25 Controlling codling moth with different netting structures and their influence on crop yield and quality
   M. Kelderer (I-Laimburg)

11.25 – 11.50 Discussion Codling Moth Management Strategies

Control Strategies for Other Pests
Chair: Jutta Kienzle

11.50 – 12.10 Control of the woolly apple aphid (Erisoma lanigerum Hausm.) by releasing earwigs (Forficula auricularia L.) and support oil applications
   I. Toups (D-Rheinbach)

12.10 – 12.20 The effect of different treatments on pear psyllid (Cacopsylla pyri) in organic pear growing
   G. Brouwer (NL-Wageningen)

12.20 – 12.30 Vole trapping fences - a new approach to migration barriers
   B. Walther (D-Münster)

12.30 – 14.00 Lunch break

Crop Regulation
Chair: M. Kelderer

14.00 – 14.15 Flower thinning of apples cv ‘Elshof’ using environmentally friendly compounds
   H. Lindhard-Pedersen (DK-Aarslev)

14.15 – 14.30 Effect of transpiration inhibitors on June fruit drop of apple trees
   E. Lardschneider (I-Laimburg)

14.30 – 14.45 Thinning by shading: economic benefit for organic apple growers?
   E. Bravin (CH-Wädenswil)

14.45 – 15.00 Comparison of different thinning measures for organic grown apples (cultivar ‘Pinova’)
   S. Sinatsch (D-Weinsberg)

14.50 – 15.00 Discussion Strategies for Crop Regulation
Posters presented in Poster Presentation

Posters, that are not presented as spotlight presentation in one of the oral sessions are printed in bold letters

Strategies for Disease Control

1. Toxicity of lime sulphur on predatory mite *Typhlodromus pyri* in apple
   *V. Psota*

2. Epidemiological research on the etiology of twig scab as basis for a rational and ecological disease management
   *E. Croes, W. Van Hemelrijk, A. De Landtsheer, W. Keulemans, P. Creemers*

3. Effects of beetroot Vinasse on ascospore formation of *Venturia pirina* in a one-year field trial on an organic Conference orchard
   *B.G.H. Timmermans, P.J. Jansonius, R. Bruinenberg*

Strategies for Pest Control

4. NeemAzal-T/S -current status of registration and maximum residue levels in the EU
   *H. Kleeberg, E. Hummel, B. Ruch, N. Walther*

5. Application of molecular methods to identify genes involved in CpGV-resistance of the codling moth, *Cydia pomonella*
   *N. Gund (D-Geisenheim)*

6. Regulation of *Cydia pomonella* by *Steinernema feltiae* in Northern Germany
   *B. Benduhn, P. Heyne, P. Maxin*

7. The effect of controlling codling moth (*Cydia pomonella*) with *Steinernema carpocapsae* (Nemasys® C) on crop yield
   *A.P. Brown*

8. Three years experience with entomopathogenic nematodes for the control of overwintering codling moth larvae in different regions of Germany
   *J. Kienzle, D. Heinisch, J. Kiefer, M. Trautmann, F. Volk, J. Zimmer; C.P.W. Zebitz*

9. Laboratory experiments to determine the liquid formulation for a spraying application technique for *Trichogramma* parasitized eggs to control the codling moth *Cydia pomonella*
   *O. Zimmermann, B. Wührer*

10. The effect of different treatments on pear psyllid (*Cacopsylla pyri*) in organic pear growing
    *G. Brouwer*

11. Vole trapping fences - a new approach to migration barriers
    *B. Walther, O. Fuelling*
Quality analysis

12. Sensory and instrumental analysis of selected cultivars of apples from organic and conventional production

13. Reliable assessment of aroma patterns in fruit and vegetables
   D. Ulrich, K. Olbricht (D)

Small Fruit

   A. Dressler, P. Scheewe, P. Lentzsch, K. Olbricht

15. Which strawberry-varieties are suitable for organic fruit growers
   B. Pfeiffer, L. Brockamp

16. First experiences with two preceding crops in strawberry organic farming
   L. Odstrcilova (CZ)

17. Potential Use of Plant Growth Promoting Rhizobacteria in Organic Broccoli (Brassica oleracea L., var. italica ) Production
   E. Yildirim, H. Karlidag, M. Turan, M. F. Donmez (TUR)

18. Effect of Plant Growth-Promoting Bacteria on Mineral - Organic Fertilizer Use Efficiency, Plant Growth and Mineral Contents of Strawberry (Fragaria x ananassa L. Duch.)
   H. Karlidag, E. Yildirim, M.Turan, M. F. Donmez

19. Testing of varieties, mulch materials and biofungicides Supresivit (Trichoderma harzianum Rifai aggr.) and Polyversum (Pythium oligandrum Drechs.) in organic strawberries
   S. Boček, P. Šalaš, J. Mokričková, S. Patočková, M. Tvrdnıková, H. Sasková

20. Difficulties with mustard as a biofumigation possibility against Verticillium-Wilt
   C. Steen, K. Dillmann, R. Ortlieb

   E. Malusa, L. Sas-Paszt, J. Ciesielska

22. Evaluation of the product Soleo® for control of powdery mildew in strawberry
   E. Martín, E. Fernández, C. Solans, D. Bernad

23. Effect of potassium bicarbonate on the control of powdery mildew (Sphaerotheca mors-uvae) of gooseberry (Ribes uva-crispa)
   M. Wenneker, J. Kanne
Posters presented in Poster Presentation

24. Biological control of American gooseberry mildew - cultivation systems and preventive applications
   L. Brockamp

25. Black and red currant cultivars for organic production
   H. Lindhard Pedersen

Stone Fruit

26. Investigations of control strategies against Monilia disease in organic sour cherry production
   S. Obenaus, H. Rank, P. Scheewe

27. The first results of Trichoderma asperellum treatment in production of organic sour cherries
   J. Kowalska, D. Remlein-Starosta

28. An experience of cherry fruit fly Rhagoletis cerasi control with nets in Trentino, Italy
   A. Grassi, D. Profaizer, R. Maines, G. Visintainer

29. Suitability of sweet cherry cultivars for organic production in eastern Austria
   S. Ostojic, J. Telfser, A. Spornberger, H. Keppel

Soil Management

30. Influence of effective microorganisms (EM) on yield and quality in organic apple production
   M. Filipp, A. Spornberger, H. Keppel, R. Brunmayer

Sustainability

31. Enhancing abundance of natural enemies in apple orchard using flowering strips
   V. Falta, K. Holy, R. Vavra

Organic Fruit Growing in Albania

32. Promoting organic food in Albania
   E. Leksinaj

33. Improving organic apple growing in Kosovo and Albania – a challenge
   A. Spornberger, E. Kullaj, A. Mehmeti, B. Öhlinger, S. Sylana, A. Demaj, T. Thomai