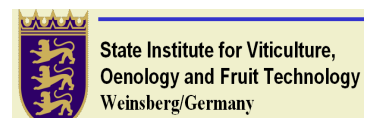


Programme



21st International Conference on Organic Fruit-Growing

Patronage: IFOAM ORGANICS EUROPE



Monday, 19th February 2024

- 10.00 – 10.30 **Welcome addresses**
Prof. Dr. Ralf Voegele, Dean of the University of Hohenheim
Martin Ries, Ministry of Rural Affairs and Consumer Protection
Baden-Wuerttemberg
Eduardo Cuoco, IFOAM Organics Europe
Torsten Wichmann, Vice President of FOEKO e.V

Session Breeding and Performance of Pome Fruit Varieties

Chair: C. Koenig

- 10:30 – 10:45 Steps towards Dessert Fruit Varieties with Quantitative Host Resistance - Report
N. Bolliger, Pomaculta (CH)
- 10:45 – 11:00 Selection and development of late-flowering apple varieties to avoid frost damage in organic fruit growing
B. Scherrer, LVWO Weinsberg (D)
- 11:00 – 11:15 Screening apple cultivars better adapted to organic fruit production – a transborder and participatory approach
M. Lateur, CRA-W (B)
- 11:15 – 11:20 Participative breeding of unique Danish apple cultivars
Torben Bo Anderson, Uni Kopenhagen (DK)
- 11:20 – 11:35 Biological traits of clone varieties of *Malus sieversii* from the ex-situ collection in Almaty
G. Mukan, Institute of Botany Almaty, Republic of Kazakhstan
- 11:35 – 11:40 DECIDUOUS: a user-friendly tool to support fruit tree choice for agroforestry
F. Warlop, GRAB Avignon (F)
- 11.40 – 12:15 Discussion
- 12:15 – 13:15 Lunch break

Project Workshop: InnOBreed – How to better adapt breeding to organic farming?

Fruit breeding for organic low input production requires a major paradigm shift. In this workshop we will initiate a discussion around Innovative Solutions (ISs) such as socio-economical innovations and collect your opinion about the notion of robustness in cultivars and genitors selection. We will also present some important new traits to evaluate on fruit tree genetic resources, pre-breeding and advanced material for several crops in a low input organic farming system context. First achievements and prospective of the European InnOBreed project will also be presented.

- 13:15 – 13:30 General introduction and discussion: The philosophy behind the InnOBreed project and few of its general concepts and ongoing practical activities
Marc Lateuer
- 13:30 – 13:50 Presentation and discussion of key results of the InnOBreed survey
Clémence Boutry
- 13:50 13:55 How to address the concept of “robustness” in organic breeding and variety testing processes? What does “robustness” means and how to select for it?
A Survey will be distributed to the audience in order to collect their opinion about what is “robustness”
- 13:55 – 14:10 A short exchange of views on which are the top 3 “new” most important traits expected for a better future adaptation of fruit tree organic farmers for coming decennia.
- 14:10 – 14:30 The socio-economical innovations around participative breeding, variety testing and fair trade in organic farming systems.

Session Strategies for Disease Management

Chair: S. Buchleither

- 14:30 – 14:45 Application of acid clay against sooty blotch in organic apple cultivation in South Tyrol
Josef Telfser, RC Laimburg (I)
- 14:45 – 15:00 Sooty blotch management in summer: alternatives to the use of copper
M. Schluchter, KOB Bavendorf (D)
- 15:00 – 15:05 Potential reduction of sooty blotch on apples using specialized brushing technique after harvest
L. Schlittenhardt, KOB Bavendorf (D)
- 15:05 – 15:25 Discussion strategies for sooty blotch control

Monday, 19th February 2024

Session Strategies for Disease Management

Chair: S. Buchleither

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|---------------|---|
| 15:25 – 15:55 | Coffee break |
| 15:55 – 16:10 | Wine Yeast as Potential Biological Control Agent Against Downy Mildew of Grapevine (<i>Plasmopara viticola</i>)
<i>Torben Bo Toldam-Andersen, Copenhagen University (DK)</i> |
| 16:10 – 16:15 | Differences in apple cultivar susceptibility to apple blotch disease
<i>S. Richter, JKI Dresden (D)</i> |
| 16:15 – 16:20 | Hyperspectral analysis of storage rot disease in apple
<i>Joe-Anne Viscio, Uni Hohenheim (D)</i> |
| 16:20 – 16:35 | Field experiments: Pear scab on ‘Conference’
<i>Kiki Kots, University of Wageningen (NL)</i> |
| 16:35 – 16:40 | Real-time PCR as a promising tool to monitor the epidemiology of <i>Venturia pirina</i>
<i>Melanie van Driel, University of Wageningen (NL)</i> |
| 16:40 – 17:00 | Discussion |

17:00 – 18:00 Workshop Breeding for organic fruit growing and the current political background

Introduction Maria Zintl, ifoam organics Europe

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|-------|-------------------------------------|
| 18:00 | Dinner |
| 20:00 | Meeting of the Organizing Committee |

Session Strategies for Pest Management

Chair: J. Kienzle

- 08:30 – 08:45 Laying hens in apple orchards to reduce fruit damages caused by *Cydia pomonella* : myth or reality ?
S. Bosshard, INRA Avignon (F)
- 08:45 – 09:00 “OekoapfelForward”: New strategies for codling moth resistance management and fungicide reduction in organic apple production
S. Biganski, JKI, Dossenheim (D)
- 09:00 – 09:15 Further Investigations of the Sex Pheromone of Female Pear Gall Midge, *Contarinia pyrivora*
D. Hall, NRI Greenwich (GB)
- 09:15 – 09:20 Catching apple and pear sawfly on white sticky roller tape
G. Brouwer, Delphy (NL)
- 09:20 – 09:35 Discussion
- 09:35 – 09:50 Aphid regulation in covered organic apricot production by open rearing and releasing of beneficial insects
M. Friedli, FIBL Frick (CH)
- 09:50 – 09:55 Feeding ants with sugar: control of rosy apple aphid
S. Kemp, Delphy (NL)
- 09:55 – 10:00 Evaluation of hoverfly releases for the biological control of woolly apple aphid in combination with flower strips in an apple orchard
F. Panzeri, RC Laimburg (I)
- 10:00 – 10:15 Discussion
- 10:15 – 10:45 Coffee break
- 10:45 – 10:50 Invasive stink bug damages in fruit crops - Damage occurrence and development during storage
N. Haag, LTZ Augustenberg (D)
- 10:50 – 11:05 The Brown Marmorated Stink Bug and its Biological Control – Quo vadis?
C. Dieckhoff, LTZ Augustenberg (D)
- 11:05 – 11:20 What makes plants attractive for a polyphagous bug? Investigations on host plant selection of *Halyomorpha halys* for developing a new plant protection strategy for organic farming
A. Eben, JKI Dossenheim (D)

Tuesday, 20th February 2024

Session Strategies for Pest Management

Chair: J. Kienzle

- 11:20 – 11:35 First results with the release of *Trissolcus cultratus* Walker for the control of the red legged stinkbug *Pentatoma rufipes* L.
H. Al karrat, Uni Hohenheim (D)
- 11:35 – 11:40 Testing effects of field realistic pesticide tank mixtures used in organic orchard farming on adult honey bees and bee colonies
C. Seidel, JKI Braunschweig
- 11:40 – 12:15 Discussion
- 12:15 – 13:15 Lunch break
- 13:15 – 14.40 Poster Presentation**
- 14:40 – 15:00 Laudatios for members of organizing committee that retire

Session Strategies for the Enhancement of Biodiversity

Chair: G. Brouwer

- 15:00 – 15:15 Development of an extended decision threshold for the application of plant protection products in Organic Fruit Growing: A case study on the control of *Anthonomus pomorum* (L.) with pyrethrins
H. Maisel, Uni Hohenheim (D)
- 15:15 – 15:30 First experience in extension service working with the new catalogue of measures for nature conservation integrated in the orchard management
B. Benduhn, ÖON e.V., Jork (D)
- 15:30 – 15:45 How about biological control in market gardening agroforestry?
F. Warlop, GRAB Avignon (F)
- 15:45 – 15:50 Flower reservoirs in organic stone fruit orchards: Promoting functional biodiversity with a low input strategy
L. Reinbacher, FIBL Frick (CH)
- 15:50 – 15:55 The importance of native flora in orchards
E. Wilhelm, RC Laimburg (I)
- 15:55- 16:15 Discussion

Tuesday, 20th February 2024

Session Sustainability and Orchard Design

Chair: S. Buchleither

- 16:15 – 16:20 The orchard as a complex system: a Permaculture Design Model
E. Dallavalle, Pianoro (I)
- 16:20 – 16:35 First results of applying an automatically operating rain roof covering system in organic apple production
T. Arnegger, KOB Bavendorf (D)
- 16:35 – 16:40 Agrivoltaics in apple farming – comparing two roof systems and four apple cultivars
A. Bohr, KOB Bavendorf (D)
- 16:40 – 17:05 Discussion
- 17:05 – 17:15 Break

17:15 – 18:15 **Workshop: Is there a potential of the use of commercial beneficials in the strategy to control woolly apple aphid?**

Chair *Jutta Kienzle*

Peter Katz from Katz Biotech AG will join the discussion online

- 18:15 Dinner

Wednesday, 21th February 2024

Session Small Fruit: Strategies of Organic Cultivation

Chair: C. Koenig

- 08:30 – 08:35 Application of pupal parasitoids for the biological control of *Drosophila suzukii* (Diptera: *Drosophilidae*) in berry fruit production
M. Ponchon, HS Geisenheim (D)
- 08:35 – 08:40 Use of dead-end plants in orchards: A potential strategy to control *Drosophila suzukii*?
S. Wenz, HS Geisenheim (D)
- 08:40 – 08:45 Effect of different practices enhancing biodiversity on pest and beneficial organism populations in organic strawberry and raspberry production
G. Podedworny, NIHR Skiernewice (PL)
- 08:45 – 08:50 Rice bran as non-chemical soil fumigant for organic strawberry cultivation
J. Telfser, RC Laimburg (I)
- 08:50 – 09:20 Discussion

Wednesday, 21th February 2024

Session Stone Fruit: Strategies of Organic Cultivation

Chair: *F. Warlop*

- 09:20 – 09:35 Innovative organic apricot orchards to control pests and diseases: interest of rain cover, insect net and chicken breeding
C.E. Parveaud, GRAB Avignon (F)
- 09:35 – 09:40 Breeding of robust peach cultivars for organic production in Austria
A. Spornberger, BoKu Vienna (A)
- 09:40 – 10:10 Discussion
- 10:10 – 10:30 Coffee break

Session Crop Regulation

Chair: *J. Telfser*

- 10:30 – 10:45 Can the addition of paraffin oil improve the thinning effect of lime sulphur
E. Lardschneider, RC Laimburg
- 10:45 – 11:00 Discussion

Session Strategies for Soil Health Care

Chair: *E. Malusa*

- 11:00 – 11:15 Impact of living mulches on belowground biodiversity and soil nutrient status of an organic apple orchard
E. Malusa, NRHI Skiernewice (PL)
- 11:15 – 11:20 Development of a model to define a soil quality index
E. Malusa, HRI Skiernewice (PL)
- 11:20 – 11:25 Soil management strategies and observations on their effect on soil fertility: Survey of German organic fruit growers
B. Lepp, Uni Hohenheim (D)
- 11:25 – 11:30 Effect of application of mycorrhizal fungi on apple tree growth after planting
R. Vavra, Holovousy (CZ)
- 11:30 – 12:00 Discussion

Wednesday, 21th February 2024

12:00 – 13:00 Lunch break

13:00 – 14:00 Project Workshop Excalibur: Microbial inocula and opportunities for plant nutrition (and protection)

Chair and Introduction: E. Malusa

14:00 – 14:15 Wrap up, End of Conference

Posters presented in Poster Presentation

1. Participative breeding of unique Danish apple cultivars
M. Korsgaard, Uni Copenhagen (DK)
2. Differences in apple cultivar susceptibility to apple blotch disease
S. Richter, JKI Dresden (D)
3. Real-time PCR as a promising tool to monitor the epidemiology of *Venturia pirina*
Melanie van Driel, University of Wageningen (NL)
4. Catching apple and pear sawfly on white sticky roller tape
Gerjan Brouwer, Delphy (NL)
5. Feeding ants with sugar: control of rosy apple aphid
S. Kemp, Delphy (NL)
6. Evaluation of hoverfly releases for the biological control of woolly apple aphid in combination with flower strips in an apple orchard
F. Panzeri, RC Laimburg (I)
7. Testing effects of field realistic pesticide tank mixtures used in organic orchard farming on adult honey bees and bee colonies
Christine Seidel, JKI Braunschweig
8. Flower reservoirs in organic stone fruit orchards: Promoting functional biodiversity with a low input strategy
L. Reinbacher, FIBL Frick (CH)
9. The importance of native flora in orchards
Elena Wilhelm, RC Laimburg (I)
10. Application of pupal parasitoids for the biological control of *Drosophila suzukii* (Diptera: *Drosophilidae*) in berry fruit production
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11. Use of dead-end plants in orchards: A potential strategy to control *Drosophila suzukii*?
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 12. Effect of different practices enhancing biodiversity on pest and beneficial organism populations in organic strawberry and raspberry production
G. Podedworny, NIHR Skierniewice (PL)
 13. Rice bran as non-chemical soil fumigant for organic strawberry cultivation
S. Soppelsa & J. Telfser, RC Laimburg (I)
 14. Invasive stink bug damages in fruit crops - Damage occurrence and development during storage
N. Haag, LTZ Augustenberg (D)
 15. Development of a model to define a soil quality index
E. Malusa, HRI Skierniewice (PL)
 16. Soil management strategies and observations on their effect on soil fertility: Survey of German organic fruit growers
B. Lepp, Uni Hohenheim (D)
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How to arrive at the Conference

Your way to Tagungszentrum Bernhäuser Forst

Dr.-Manfred-Müller-Straße 4, D-70794 Filderstadt, Phone +49 711 7 97 61-0

E-Mail: info@et-befo.de

From Stuttgart Airport to conference house (see map):

- Walk outside the airport-building to S-Bahn station
- Take S2 direction Schorndorf, leave in Echterdingen (2 minutes)
- walk 2 minutes to Echterdingen station and there take bus no. 76 direction Degerloch ZOB
- leave the bus after about 12 minutes drive at Plattenhardt Waldstraße
- walk about 8 minutes to Dr. Manfred Müller-Str. 4 - **Tagungszentrum Bernhäuser Forst**

Connection 1 x per hour, from Stuttgart-Airport at 18:08 ; 19:08

or:

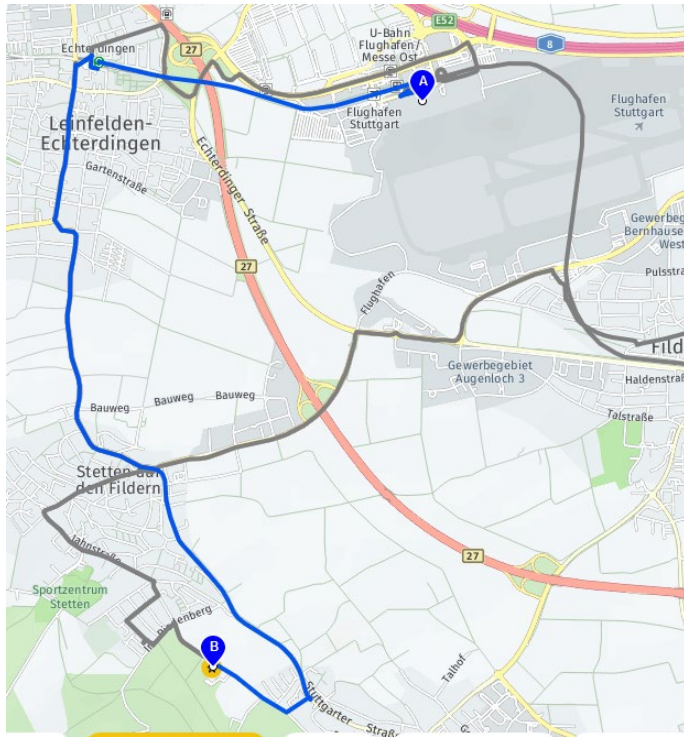
- Walk outside the airport-building to bus station [Echterdingen Flughafen/Messe \(SAB\)](#)
- take bus 812 direction Bernhausen Bahnhof
- leave the bus after about 30 minutes drive at Plattenhardt Waldstraße
- walk about 8 minutes to Dr. Manfred Müller-Str. 4 - Tagungszentrum Bernhäuser Forst

Connection 1 x per hour, from Stuttgart-Airport at 17:49 ; 18:49

From Stuttgart main station:

- Take U5 to Leinfelden station from track 4
- Leave there and take Bus no 818 direction Stetten / Erlach
- leave the bus after 22 minutes at Stetten Forststraße
- walk about 10 minutes to Dr. Manfred Müller-Str. 4 - Tagungszentrum Bernhäuser Forst

Connection 1 x per hour, from Stuttgart at xx:37



We made a reservation in a restaurant for sunday evening from 18:30 on:

Taverna Athos

Gräbleswiesenweg 50, 70771 Leinfelden

You may walk there within 15 minutes (1,3 km) from the conference house.

