



WPRS International Organisation for Biological and Integrated Control of Noxious  
Animals and Plants: West Palaearctic Regional Section

SROP Organisation Internationale de Lutte Biologique et Intégrée contre les Animaux et les  
Plantes Nuisibles: Section Régionale Ouest Paléarctique

IOBC Working Group "Integrated Plant Protection in Fruit Crops"  
**Sub Group "Soft Fruits"**

**9<sup>th</sup> International IOBC/WPRS Workshop on Integrated Plant  
Protection of soft fruits**

5–7 September 2018  
Islande Hotel  
Ķīpsalas iela 2, Rīga, Latvia

**Third announcement**

On behalf of the IOBC/WPRS WG "IPP Fruit Crops" Subgroup Soft Fruits, you are cordially invited to the forthcoming workshop that will take place from 5<sup>th</sup> to 7<sup>th</sup> of September 2018 that will take place in Riga, Latvia hosted by the Institute of Horticulture, Latvia University of Life Sciences and Technologies.

The aim of the meeting is to bring together the latest advances in research on the integrated control of pests, diseases and weeds of soft fruits, provide an opportunity for exchange information and ideas and stimulate joint research and collaboration.

WG Convenor	SG Convenor	Local organisers
<b>Claudio Ioriatti</b>  Center for Technology Transfer  Fondazione Edmund Mach Via E. Mach 1 38010 S. Michele all'Adige (TN), ITALY Tel.: +39-0461-615 514 Fax: +39-0461-615 500 Email: <a href="mailto:claudio.ioriatti@iasma.it">claudio.ioriatti@iasma.it</a>  URL: <a href="http://www.fmach.it/">http://www.fmach.it/</a>	<b>Christian Linder</b>  Département fédéral de l'économie, de la formation et de la recherche DEFR  Agroscope Route de Duillier 50 CP 1012 1260 Nyon 1, SWITZERLAND Tel.: +41-22-363 4 389 Fax: +41-22-362 1 325 Email: <a href="mailto:christian.linder@agroscope.admin.ch">christian.linder@agroscope.admin.ch</a>  URL: <a href="https://www.agroscope.admin.ch/agroscope/en/home.html">https://www.agroscope.admin.ch/ agroscope/en/home.html</a>	<b>Inga Moročko-Bičevska</b> <b>Arturs Stalazs</b> (workshop secretary)  Institute of Horticulture, Latvia University of Life Sciences and Technologies Graudu iela 1, Ceriņi, Krimūnu pag., Dobeles nov., LV-3701, LATVIA Tel.: +371-25 148 582; +371-26 711 411 Fax: +371-63 781 718 Email: <a href="mailto:inga.morocko@llu.lv">inga.morocko@llu.lv</a> ; <a href="mailto:arturs.stalazs@llu.lv">arturs.stalazs@llu.lv</a>  URL: <a href="http://darzkopibasinstitutus.lv">http://darzkopibasinstitutus.lv</a>

## Scientific committee

Arturs Stalažs (Institute of Horticulture, Local organiser, Latvia)  
Christian Linder (Agroscope Changins, Sub Group Convenor, Switzerland)  
Daniele Prodorutti (Fondazione Edmund Mach, Italy)  
Inga Moročko-Bičevska (Institute of Horticulture, Local organizer, Latvia)  
Līga Jankevica (University of Latvia)  
Vincent Michel (Agroscope Conthey, Switzerland)

## Proposed topics

- Biology of pests and diseases
- Diagnostic tools for pests and diseases
- Monitoring and forecasting of pests and diseases
- Plant resistance and cultivars suitable for integrated and organic farming
- Post-harvest and storage diseases
- Certification and health of propagation stock
- Management of diseases, pests and weeds (biocontrol, chemical, alternative, physical, sanitation)
- Practical implementation of IPM in soft fruits

## Programme and time schedule

### *Tuesday, 4 September 2018*

Arrival and accommodation in the hotel

### *Wednesday, 5 September 2018*

9:00–9:30	<b>Registration</b>
9:30–10:00	<b>Opening and introductory presentations</b> Christian Linder & Claudio Ioriatti (IOBC) Inese Ebele (Director of Institute of Horticulture, Latvia)
<b>Session 1</b>	<b>Parasitoids in IPP of soft fruits</b> Session leaders: Christian Linder & Marc Kenis Invited lecture
10:00–10:30	<b>Marc Kenis</b> How close are we from a release of Asian parasitoids against <i>Drosophila suzukii</i> in Europe? Oral presentations
10:30–10:50	O1.1 Nasim Amiresmaeili, Jörg Romeis, <b>Jana Collatz</b> Cold tolerance of <i>Trichopria drosophilae</i> , a natural enemy of <i>Drosophila suzukii</i>
10:50–11:10	Coffee brake

- 11:10–11:30 O1.2 **Sarah Wolf**, Svetlana Boycheva, Jörg Romeis, Jana Collatz  
Multitrophic interactions of *Dosophila suzukii*, wild fruits and a native pupal parasitoid
- 11:30–11:50 O1.3 **Estelle Postic**, Caroline Granado, Yannick Outreman, Anne Le Ralec  
Unravelling trophic webs between aphids and parasitoids in strawberry greenhouses to improve a biological control program
- 11:50–12:10 O1.4 Marco Valerio Rossi Stacconi, Alberto Grassi, Gianfranco Anfora, **Claudio Ioriatti**  
Biological control of *Drosophila suzukii* by means of the pupal parasitoid *Trichopria drosophilae*: field and semifield experiences

12:10–13:10 Lunch

**Session 2** **Pests and their biology**  
Session leaders: Claudio Ioriatti & Arturs Stalažs

- 13:10–13:30 O2.1 **Christa Lethmayer**, Matthias Wernicke, Sylvia Blümel  
Investigations of potential oviposition deterrents for *Drosophila suzukii*
- 13:30–13:50 O2.2 **Camille Minguely**, Catherine Baroffio, Lindsey Norgrove, Christoph Kopp  
Distribution of the eriophyoid mite species *Phyllocoptes gracilis* (Acari: Eriophyidae) on European raspberries (*Rubus idaeus*) in Switzerland
- 13:50–14:10 O2.3 **Arturs Stalažs**, Maksims Balalajkins  
Overview of seabuckthorn fruit fly (*Rhagoletis batava*) in Latvia and Europe
- 14:10–14:30 O2.4 **Aurore D. C. Panel**, Laura Zeeman, Bart J. van der Sluis, Peter van Elk, Bart A. Pannebakker, Bregje Wertheim, Herman H. M. Helsen  
Overwintered *Drosophila suzukii* are the main source for infestations of the first fruit crops of the season

**Poster session** & Coffee brake  
(posters of Session 1 & 2)

- 14:30–15:00 P1.1 **Isa Lindqvist**, Anne Lemmetty, Satu Latvala  
The common flower bug (*Anthocoris nemorum*) — a potential biological control agent for apple orchards in Finland
- P1.2 Małgorzata Tartanus, **Eligio Malusá**, Witold Danelski  
Monitoring of fruit pests in organic soft fruits plantations and testing of biocontrol agents
- P2.1 **Arturs Stalažs**  
*Glischrochilus* beetles as pests of raspberry and strawberry fruits

**Session 3** **Guidelines for Integrated Production of soft fruits**  
Session leaders: Carlo Malavolta & Aude Alaphilippe

- 15:00–17:00 **Christian Linder, Carlo Malavolta, Aude Alaphilippe**  
Update of the IOBC IP Guidelines for soft fruits

**Thursday, 6 September 2018**

9:00–9:30      **Registration**

**Session 4      Diseases and pathogens of soft fruits**

Session leaders: Vincent Michel & Inga Moročko-Bičevska

- 9:30–9:50      O4.1      **Vincent Michel**, Christian Wohler, Max Kopp, Hagen Thoss, Michael Mannale, Marilena Palmisano  
Fungicide resistance of *Botrytis cinerea*: first results from Switzerland
- 9:50–10:10      O4.2      **Brankica Tanović**, Jovana Hrustić, Milica Mihajlović  
Pathogens associated with strawberry crown and root rot
- 10:10–10:30      O4.3      **Inga Moročko-Bičevska**, Olga Sokolova, Kristīne Vēvere, Māris Jundzis, Jamshid Fatehi  
Fungal pathogens associated with cankers and decline of seabuckthorn
- 10:30–10:50      O4.4      **Arne Stensvand**, Aruppillai Suthaparan, Belachew Asalf, Rodrigo Onofre, Pål From, Natalia Peres, William Turechek, Andrew Bierman, Mark Rea, David Gadoury  
Non-chemical control of powdery mildew in strawberry
- 10:50–11:10      Coffee brake
- 11:10–11:30      O4.5      **Vincent Michel**  
*Phytophthora cactorum* disseminated by irrigation in substrate grown strawberries

**Session 5      IPP strategies in soft fruits**

Session leaders: Arne Stensvand & Brankica Tanović

- 11:30–11:50      O5.1      **Peter Melis**, Marieke Vervoort, Tom Van Delm  
Autonomous control of powdery mildew as part of IPM strategy in strawberry
- 11:50–12:10      O5.2      **Daniele Prodorutti**, Davide Profaizer, Gianpiero Ganarin, Sandro Conci, Tommaso Pantezzi, Gino Angeli  
Experimental trials to control strawberry powdery mildew in Italy
- 12:10–13:10      Lunch
- 13:10–13:30      O5.3      **Michelle T. Fountain**, Chantelle Jay, David Hall, Dudley Farman  
Push-Pull with synthetic attractants and repellents for control of fruit pests
- 13:30–13:50      O5.4      **Bianca Boehnke**, Kirsten Köppler, Clemens Augel, Alexandra Wichura, Julian Lindstaedt, Jan-Henrik Wiebusch, Adrian Engel, Silke Benz, Heidrun Vogt  
Demonstration project "Exclusion netting for managing spotted wing drosophila in fruit crops" — Results 2017
- 13:50–14:10      O5.5      **Vincent Van Kerckvoorde**, Rik Clymans, Eva Bangels, Ammar Alhmedi, Tom Thys, Madelena De Ro, Jochem Bonte, Hans Casteels, Patrick De Clercq, Dany Bylemans, Tim Belien  
Comparison of additives to enhance chemical control of *Drosophila suzukii*

- 14:10–14:30 O5.6 **Simon Foster**  
Using Biobest Flying Doctors for targeted application of biopesticides
- 14:30–14:50 O5.7 **Eligio Malusá**, Małgorzata Tartanus, Cezary Tkaczuk, Loredana Canfora, Flavia Pinzari  
Protection of organic strawberry plantations from *Melolontha* spp. through an integrated approach: results from four-year trials in Poland

**Poster session & Coffee brake**  
(posters of Session 4 & 5)

- 14:50–16:30 P4.1 Katherine A. G. Nielsen, Gunn Mari Strømeng, Magne Nordang Skårn, Kari Ørstad, **Arne Stensvand**, May Bente Brurberg  
Resistance to fenhexamid, boscalid and pyraclostrobin in *Botrytis* spp. in Norwegian strawberry fields
- P5.1 Mila Grahovac, Vera Stojšin, Mladen Petreš, **Brankica Tanović**, Ferenc Bagi, Dragana Budakov  
Efficacy of *Bacillus subtilis* (strain BS10) in control of *Botrytis cinerea* in strawberry
- P5.2 Fabio Kuonen, Mélanie Dorsaz, **Camille Minguely**, Catherine Baroffio  
Swiss IPM strategies against *Drosophila suzukii* (Diptera: Drosophilidae). Part I
- P5.3 Fabio Kuonen, Mélanie Dorsaz, **Camille Minguely**, Catherine Baroffio  
Swiss IPM strategies against *Drosophila suzukii* (Diptera: Drosophilidae). Part II
- P5.4 **Pauliina Palonen**, Anni Pinomaa, Tero Tommila  
Effect of high tunnel on raspberry yield and berry quality
- P5.5 Sandra Minova, Zane Metla, **Līga Jankevica**  
Impact of coniferous trees bark extract formulations on growth of phytopathogenic fungi *Botrytis cinerea* and *Colletotrichum acutatum* on strawberry leaves
- P5.6 **Darinka Koron**  
Weed control in Slovenian integrated and organic strawberry production
- P5.6 **Sarmīte Strautiņa**, Valda Laugale, Ieva Kalniņa, Anita Osvalde, Dace Siliņa  
Project: Evaluation of small fruit cultivars perspective for integrated production in different regions of Latvia and development and improvement of their growing technologies
- 18:00–22:00 Social dinner

**Friday, 7 September 2018**

- 8:00–19:00 Technical tour to seabuckthorn and cranberry growing farms

## Further information

### Technical information for presentations and publication

The time limit of oral presentations is 20 minutes (including 5 minutes for discussion).

PC/Laptop and data projector will be provided for presentations in the conference room. Technical assistance will be provided.

Please prepare your **poster** no larger than A0 size (841 mm width × 1189 mm height). The surface where the poster could be hung in the conference room will be marked with a “P” and a number. We ask poster presenters to find their name followed by this index (e. g. **P/1**) in the programme.

The authors of accepted abstracts will be expected to prepare and submit online a full manuscript or a two-page extended abstract. After editing, the manuscripts or extended abstracts will be published in an IOBC- WPRS Bulletin. Instructions to authors for the Bulletin manuscripts are available on the IOBC-WPRS website at [http://www.iobc-wprs.org/pub/instruction\\_authors.html](http://www.iobc-wprs.org/pub/instruction_authors.html).

Please send your manuscripts to [christian.linder@agroscope.admin.ch](mailto:christian.linder@agroscope.admin.ch). The deadline for submission of manuscripts is 1<sup>st</sup> December 2018.

### Official language

English is the official language of the workshop.

### Venue

The event will be held at Islande Hotel, Riga city, Latvia. Address: Islande Hotel, Kļīpsalas iela 2, Rīga (Hotel home page: <http://www.islandehotel.lv>)

### Accommodation

Participants who did not reserved their accommodation at Islande Hotel until the deadline (4 August 2018), can find a various level hotels are available in the vicinity of conference venue and Riga City that can be checked at <https://www.booking.com>.

### Travel

**By bus** for European participants — International Bus Station is situated in Riga centre, and is close to many hotels which can be reached by walking or by public transport, if hotels not close to city centre.

**By airplane** — Riga International Airport is situated 13 km from centre of Riga city. Website of the airport: <http://www.riga-airport.com/en/main/main>.

**Travel from Airport to centre of Riga city** — for travelling from airport to Riga regular public bus traffic (city bus line number 22), several private bus lines and taxi services are available. For use of city transport lines, the special tickets should be obtained at news-stalls situated in airport building. City transport tickets are available for particular number of drives, and, when you are inside transport, for each drive activation of ticket is necessary. There is also possibility to buy (by cash) the ticket at bus driver, but then ticket price is higher. More information on city transport lines is available at *Rīgas Satiksme* website <https://www.rigassatiksme.lv/en/>.

### **Currency and credit cards**

The unit of currency is euro (EUR). International credit cards are accepted at most hotels, restaurants and shops. ATMs are available at the Airport and all over the Riga city.

### **Technical tour**

Conference officially will be closed in 7 September 2018, with technical tour provided for registered participants (whole day) to cranberry and seabuckthorn farms.

Riga offers a lot of places of interest, more information can be found on the website: <http://www.latvia.travel/en/city/riga-8>.

### **Assistance**

For details regarding workshop please contact Arturs Stalažs (see below).

For details regarding workshop please contact:

**Arturs Stalažs** (secretary)

Email: [arturs.stalazs@llu.lv](mailto:arturs.stalazs@llu.lv)

Tel.: +371-26 711 411

Fax: +371-63 781 718