



**Integrated apple production:  
past, present and future.**

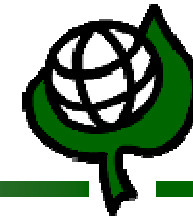
C. Ioriatti

IOBC-WPRS WG Integrated Protection of Fruit Crops

***IOBC***

[www.iobc-wprs.org](http://www.iobc-wprs.org)

# Past:



Dr Hendrik Jacob de Fluiter  
20 February 1907 – 28 January 1970



Participants of the meeting at Ovronnaz, July 9 – 11, 1976

(from left to right): G. Altner, H. Steiner, G. Celli, F. Schneider, M. Baggioini

*From the initial aim to expand biological control within the IPM to the comprehensive concept of **integrated fruit production***

# Present:



year	locality	country	Local organizers	participants	represented countries	presentations		Proceedings IOBC/wprs Bulletin
						oral	poster	
2014	Stellenbosch	South Africa	Cheryl Lennox Meitz-Hopkins Alana den Breeyen	50	15	32	22	vol 110 (2015)
2014	Pergine	Italia	Alberto Grassi Daniele Prodorutti	115	19	38	26	vol 109 (2015)
2014	Vienna	Austria	Christa Lethmayer and Fritz Polesny	61	21	38	15	vol 112 (2016)
2016	Thessaloniki	Greece	Petros Damos	129	23	72	53	vol 123 (2017)
2017	Jurmala	Latvia	Regina Rancane	45	19	30	15	in preparation

*Invasive species (SWD, BMSB); (classical) biological control & conservation BC semiochemicals control-tools, modelling, organic production, climate change, apple phenology, ontogenic resistance, disease management*

# Present:



*The WG and SG convenors (from left side): Petros Damos, Claudio Ioriatti, Lucía-Adriana Escudero-Colomar, Christian Linder and Arne Stensvand.*



*The new convenor of the SG “Pome fruit arthropods” Tim Belien.*

## Next meetings:

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- 2018 Soft fruits: (September), in Riga, Latvia
- 2019 Stone fruits SG, pome fruit arthropods SG, semiochemicals WG (January) in Lisboa, Portugal
- 2020 at Agricultural University of Plovdiv, Bulgaria
- 2020/1 (October) Girona

# Future: challenges for IFP



- Climate change/increase of int.trade
  - Invasive species and emergent diseases
  - ban to import alien species to establish classical biocontrol
- Pesticides
  - Restrictions in pesticide registration and use
  - Residue limits
- Measure of the effects on the ecosystem
  - **Water** and soil pollution
  - **Bystander pesticide exposure**
- Food grown using IPM principles is rarely labelled
- Replacement of expertise of retired applied scientists
- Lobbying at national and EU level
  - Speeding up the registration and the market introduction of environmentally safe BCAs
  - Introduction of alien beneficials after official assessment
- Sharing information with other WGs
  - Joint meetings
  - Invited key note speakers from collateral disciplines
    - Improvement in spraying technologies to reduce pesticide use
    - agricultural techniques: modification of tree architecture.
- Labelling: integrated → sustainable?
  - Minimising water and carbon footprint
- Improve advisory services and food authorities attendance
- Increase student grants

# Many thanks for your attention



*Pergine - Italy 2014*



*Stellenbosch – South Africa 2014*



*Thessaloniki – Greece 2016*



*Vienna – Austria 2014*