Working Group Benefits and Risks of Exotic Biological Control Agents

Olga Ameixa
History of the WG and why it started

2007: The IOBC-WPRS Working Group “Benefits and risks of exotic biological control agents” was initially established in recognition of the concerns surrounding the spread of *Harmonia axyridis* (Coleoptera: Coccinellidae), but its remit was always broader, and has become more so over the years.

2009: Engelberg, Switzerland
11: Hluboká, Czech Republic
14: Bornholm, Denmark
18: Azores, Portugal
21: Still to decide
Meetings of WG: Benefits and Risks of Exotic Biological Control Agents

Switzerland 2009
Czech Rep. 2011
Denmark 2015
Portugal 2018

No. delegates

Meetings
Country based delegates attending former meetings

Bornholm

Azores

Country of institution

Country of institution
A new team emerged during the Azores meeting.

Convenor: Olga Ameixa, Univ. of Aveiro, PT

Jana Collaz, Agroscope, CH

Pavel Kindlmann, CzechGlobe, CZ

Olda Nedved, Univ. of South Bohemia, CZ

Danny Haelewaters, Univ. of South Bohemia, CZ

Liaison-Officer: Gudrun STRAUSS, AGES, AU
IOBC-WPRS

Working Group “Benefits and Risks of Exotic Biological Control Agents”

Proceedings of the Fourth Meeting

at
Ponta Delgada, Azores, Portugal
12th to 14th September 2018

Editors:
Danny Haelewaters
Jana Collatz

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Last meeting

- H. axyridis
- Halyomorpha halys
- Drosophila suzukii,
- Gonipterus platensis
- Paropsisterna selmani

Development of proper risk assessments for the studied biological control agents

Interaction with other IOBC WG
- Integrated Protection of fruit crops
- Biocontrol and IPM on North Africa and Near East
- ...
- ...
- BCA
Symposium at ICE2020: Benefits and Risks of Exo7c BCA

- Helen Roy *Harmonia and beyond* (CEH; UK)
- Joe Kaser *Indirect effects of biological control agents* (USDA; USA)
- Fang Hao Wan/Nian Wan Yang *Benefits from biological control in greenhouses* (CAAS; China)
- Fathia Khamis Mohamed/Fathia Khamis *Post release assessment of exotic leafminer parasitoids* (ICIPE; Kenya)
- Jana Collatz (confirmed) *Assessing establishment of biocontrol agents – overwintering as a major factor* (Agroscope; Switzerland)
- Danny Haelewaters (confirmed) *The potential of dual fungal infections in controlling invasive populations of Harmonia axyridis* (University of South Bohemia; Czech Republic)
- Paula Gomes Zapata (confirmed) *Alternate biocontrol of rust fungi* (Purdue University; USA)
- Pavel Kindlmann (confirmed) *Effects of alien invading predators on native predator-prey systems: models vs. empirical data.* (CHGLOBE; Czech Republic)

We plan to submit a proposal on *symposium proceedings* for a Special Issue of BioControl with the symposium proceedings.
Future:

- Continue to extend the focus of the group to other exotic biocontrol agents, still providing a forum for research on *Harmonia axyridis*.
- Attract new members to the group.
- Symposium in the next International Congress of Entomology 2020, Helsinki.
- Organizing the next Group meeting in 2021.
Thank you all for your attention!