

HONEY BEE HEALTH SYMPOSIUM 2019: “New approaches to HB health”

Rome, 13-15th Feb 2019

Note: first 2 days of symposium in meeting room + the 3rd day (optional) of technical tour (visit to a professional beekeeper’s facilities nearby Rome)

Hotel Palatino, Via Cavour 213, Rome

13 February 2019

07.45 Registration and set-up of poster exhibition

8.30 – 9.10 Opening Session

Chairs: Riccardo Jannoni-Sebastianini (Apimondia) and Giovanni Formato (IZSLT)

08.30 Welcome from organizers

Italian Ministry of Health – *Silvio Borrello, Gaetana Ferri*

Istituto Zooprofilattico Sperimentale del Lazio e della Toscana (IZSLT) - *Ugo Della Marta*

Apimondia - *Peter Kozmus*

8.50 Welcome from supporting organizations

FAO (Food and Agriculture Organization) - *Berhe Tekola*

Italian Ministry of Agriculture – *Alessandra Pesce*

Italian Ministry of Environment – *Carlo Zaghi*

9.10–10.10 Plenary Session: “An overview of the Honey Bee Pathologies in 2019”

9.10 - 9.30 - Michele Mortarino: “EU Honey Bee Health perspectives”

Veterinary Faculty, University of Milan.

9.30 – 9.50 Jeff Pettis: “Extra-EU Honey Bee Health perspectives”

Apimondia

9.50 – 10.10 Juan Lubroth: “FAO perspectives on honey bees in terms of animal health and food security”

FAO - Animal Production and Health Division (AGA)

10.10 – 10.30 Discussion

10.30 Coffee break

11.00 – 14.50 Session “Good Beekeeping Practices - GBPs”

11.00 “Pre-clinic indicators as innovative tools to guarantee honey bee health, in the context of the Era—Net project: *BPRACTICES*” - Giovanni Formato (IZSLT)

11.20 - “HIVELOG and the Internet of Things – IoT” - Flemming Vejsnaes (Danish Beekeeping Association DBA, Denmark)

11.40 – 12.00 Discussion on “GBP”

12.00 – 13.00 *Scientific contributions on “Good Beekeeping Practices” (part I)*

13.00 Lunch

14.30 – 14.50 *Scientific contributions on “Good Beekeeping Practices” (part II)*

14.50 – 17.20 Session “Aethina tumida – The Small Hive Beetle (SHB)”

Chair: Marc Oliver Schafer (*Aethina tumida* -Small hive beetle- OIE Reference Laboratory) and Andrea Maroni Ponti (Ministry of Health)

14.50 "An update on small hive beetles" Peter Neumann (University of Bern)

15. 10 "Small hive beetle invasion in EU" (Franco Mutinelli – National Reference Laboratory for Apiculture, Italy)

15.30 – 15.50 Discussion on "*Aethina tumida* – The Small Hive Beetle (SHB)"

15.50 – 16.10 Coffee break

16.10 – 17.10 Scientific contributions on "SHB"

17.10 – 17.20 Discussion on "SHB"

17.20 – 17. 50 Practical demonstrations:

"HiveTracks: Using Free and Open Software to Harmonize the Worlds Bee Data, Guide Beekeepers to Best Practices and Build a Genius Hive" (Joseph Cazier and James Wilkes – Appalachian State University - USA)

14 February 2019

9.00 – 13.00 Session "Main HB diseases"

Chair: Jeff Pettis (Apimondia) and Benjamin Dainat (Agroscope)

9.00 – 9.20 "Varroa resistant Honey Bees", Benjamin Dainat (Agroscope)

9.20 – 9.40 "Updates on *Nosema ceranae*" Mariano Higes and Raquel Martín-Hernández (Centro de Investigación Apícola y Agroambiental de Marchamalo)

9.40 – 10.00 "Diagnosis and control of AFB and EFB", Emanuele Carpana (CRA-API)

10.00 – 10.20 "Hive debris (ring tests) to diagnose AFB, EFB, Nosema spp. And SHB", Antonella Cersini (IZSLT) and Antonia Griesbacher (AGES)

10.20 – 10.40 EMA representative (to be defined by Macri)

10.40 – 10.50 Discussion on "Main HB diseases"

10.50 – 11.10 Coffee break

11.10 – 12. 30 Scientific contributions on "Main HB diseases"

12.30 – 13.00 Discussion on "Main HB diseases"

13.00 Lunch

14.30 – 16.50 Parallel sessions:

1) Session "Honey bees, environmental pollution and pesticides"

or

2) Session "SHB in Calabria region: economic impact and financing"

1) Session "Honey bees, environmental pollution and pesticides"

14.30 – 16.50 Session "Honey bees, environmental pollution and pesticides"

Chairs: Diego Pagani (Apimondia) and Alberto Masci (Ministry of Agriculture)

14.30 – 14.50 "Honey Bees as indicators of sustainable use of pesticides", Valter Bellucci and Pietro Bianco (ISPRA)

14.50 – 15.10 Using pollen to monitor pesticide environmental pollution with a citizen scientist approach: the INSIGNA project (Sjef van der Steen, Alveus AB Consultancy)

15.10 - 15.20 Discussion on “Honey bees, environmental pollution and pesticides”

15.30- 15.40 Coffee break

15.40 – 16.40 Scientific contributions on “HB, environmental pollution and pesticides”

16.40 – 16.50 Discussion on “HB, environmental pollution and pesticides”

2) “SHB in Calabria region: economic impact and financing”

14.30 - 14.50 “SHB in Italy: economic considerations and financing” Cristina Salvioni (University of Chieti-Pescara, Italy)

14.50 - 16.50 Round Table: Asger Sørensen (Apimondia), Dr. Marco Pellegrini (Ministry of Agriculture), Dr. Andrea Maroni Ponti (Ministry of Health), Roberto Henke (CREA-PB), Dr. Gianluca Grandinetti (Calabria Region), Raffaele Cirone (FAI – Italian Beekeepers’ Federation), Giuseppe Cefalo (UNAAPI –National Union of Italian Beekeepers), Antonio D’Angeli (ANAI – National Association of Italian Beekeepers), Diego Pagani/Giorgio Baracani (CONAPI – Italian Beekeepers’ National Consortium).

16.50 – 17.20 *Practical demonstrations*

- Innovative methods to assist beekeepers in controlling *Varroa destructor*: “Treat in time” (Pasquale Rombolà and Marco Pietropaoli - IZSLT)

- Innovative, non-invasive pollen sampling methods (Giulio Loglio – Veterinarian; Sjeff van der Steen – Alveus AB Consultancy;)

17.20 – 17.30 Conclusions of the Honey Bee Health symposium 2018 from organizers

(IZSLT – Ugo Della Marta, Apimondia – Peter Kozmus and Riccardo Jannoni-Sebastianini)

15 February 2019 (optional)

Technical tour in collaboration with professional beekeepers

Local organizer: Marco Pietropaoli (IZSLT)

Scientific Committee

Jeff Pettis (Apimondia)

Andrea Maroni Ponti, Luigi Ruocco and Daniele Scricciolo (Ministry of Health)

Andrea Leto, Giancarlo Ferrari and Giovanni Formato (IZSLT)

Juan Lubroth (FAO)

Alberto Contessi (Osservatorio miele)

Alberto Masci (Ministry of Agriculture)

Valter Bellucci (ISPRA)

Franco Mutinelli (NRL) and Luciano Ricchiuti (II.ZZ.SS.)

Organizing Committee

Peter Kozmus and Riccardo Jannoni-Sebastianini (Apimondia)

Silvio Borrello and Gaetana Ferri (Ministry of Health)

Ugo Della Marta (IZSLT)

Berhe Tekola (Director of Animal Production and Health Division. FAO)

Alessandra Pesce (Ministry of Agriculture)

Carlo Zaghi (Ministry of Environment)

Rita Marciànò (Latom Region)

Emanuela Balocchini (Tuscany Region)

Secretariat

Filippo Jannoni-Sebastianini and Riccardo Jannoni-Sebastianini (Apimondia);

Paola Ferracin and Maria Teresa Sotgiu (Kassiopea Group);

Antonella Bozzano, Giovanni Formato, Patrizia Gradito, Marco Pietropaoli, Jorge Rivera-Gomis, Marzia Romolaccio and Alessandra Tardiola (IZSLT).