



International meeting

## APIS SILVATICA

First edition - **Pantelleria 2022:**  
*The western honey bee's place in Nature*

### UPDATED MEETING PROGRAM:

**Monday May 16, 2022**

**Afternoon:** 16.00-20.00 **Conference participants arrival and registration**

**Evening:** 20.30-23.00 **Social Dinner**

**Day 1, Tuesday May 17, 2022**

**Morning (9,30-13,00)**

Topic: **Unmanaged colonies of *Apis mellifera***

Chairmans: **Fabrice Requier** and **Ljubiša Stanisavljevic**

10,00-10,30 Meeting opening and customary greetings

10,30-10,40 **Jeff Pettis** (President of APIMONDIA) **opening of the conference**

10,40-11,00 Pr. I.: *Apis mellifera* in nature (**Paolo Fontana**, Edmund Mach Foundation, Italy)

| Time        | SPEAKER                             | Affiliation  | Title   |
|-------------|-------------------------------------|--|---|
| 11,00-11,20 | <b>Malagnini Valeria</b>            | Edmund Mach Foundation (ITALY)                       | Honey bees in Pantelleria   |
| 11,20-11,40 | <b>A. Felicioli &amp; I. Floris</b> | University of Pisa;<br>University of Sassari (Italy) | Antagonism between flies and bees   |
| 11,40-12,00 | <b>Ljubiša Stanisavljevic</b>       | University of Belgrade (Serbia)                      | Unprecedented Density and Persistence of Feral Honey Bees in Urban Environments |

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|             |                      |   | of a Large SE-European City (Belgrade, Serbia)   |
| 12,00-12,20 | <b>Z. Lipinski</b>   | Institute of Animal Reproduction and Food Research of the Polish Academy of Sciences (Poland) | Swarming, absconding, migration and related phenomena in unmanaged honeybees ( <i>Apis mellifera</i> ) |
| 12,20-12,40 | <b>Jeff Pettis</b>   | President of APIMONDIA  | Wild and managed <i>Apis</i> in Groix island (France)  |
| 12,40-13,00 | <b>Stefano Reale</b> | Istituto Zooprofilattico Sperimentale della Sicilia (Italy)                                   | Molecular profiles to estimate the genetic variability in the Sicilian honeybee population             |

**Coffee break corner: Bar open from 10.00 to 12.00 am**

**Afternoon (14,00-17,00):**

Topic: **The conservation of *Apis mellifera* subspecies**

Chairmans: **Joann Sy** and **Paolo Fontana**

14,30-15,00 Pr. I.: Genetic research on *Apis mellifera* ssp. (**Per Kryger**, Aarhus University, Denmark)

| <b>Time</b> | <b>SPEAKER</b>           | <b>Affiliation</b>                   | <b>Title</b>  |
|-------------|--------------------------|--------------------------------------|---|
| 15,00-15,20 | <b>Fani Hatjina</b>      | Institute of Animal Science (Greece) | Preservation and selection of local Greek honey bees in the island of Gavdos/ SafeAgroBee project   |
| 15,20-15,40 | <b>Tjeerd Blacquiere</b> | Natural Beekeeping Trust             | Darwin Black Box protocol in the Netherlands and a reflection on the threat of artificial selection and man-mediated movement of colonies on the genetic diversity of honeybees |

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| 15,40-16,00 | <b>Cecilia Costa</b>      | Council for Agricultural Research and Economics (Italy) | Robust local populations: lessons learned                                |
| 16,00-16,20 | <b>Hayatu Usman Dukku</b> | Abubakar Tafawa Balewa University (Nigeria)             | The conservation of local honey bee populations: The African perspective |
| 16,20-16,40 | <b>Nicolas Laarman</b>    | POLLINIS (France)                                       | Gene modified bee: a false solution for beekeeping and conservation      |
| 16,40-17,00 | <b>Antonio Nanetti</b>    | Council for Agricultural Research and Economics (Italy) | The project MediBees   |
|             |                           |   |  |

**Coffee break corner: Bar open from 3.30 to 5.30 pm**

**18,00-19,00** – First round table for the definition of a collegial document for the protection of the unmanaged colonies of *Apis mellifera* (**Pantelleria Declaration**) – Chairman Paolo Fontana

Day 2, **Wednesday 18 May 2022**

**Morning (9,30-13,00)**

Topic: **Interaction between managed and unmanaged bees, and wild bees**

Chairmans: **Antonio Felicioli** and **Jeff Pettis**

10,00-10,30 Pr. I.: Interaction honey bee vs. other bees (**Laura Bortolotti**, Council for Agricultural Research and Economics, Italy)

| Time        | SPEAKER                  | Affiliation   | Title  |
|-------------|--------------------------|---|--|
| 10,30-10,50 | <b>Francesca Coppola</b> | University of Pisa (Italy)                              | Interspecific trophic breakdown of the pollen source between wild and managed bees |
| 10,50-11,10 | <b>Giovanni Cilia</b>    | Council for Agricultural Research and Economics (Italy) | Honey bee pathogen spillover to wild pollinators in North Italy                    |

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| 11,10-11,30 | <b>Ingolf Steffan-Dewenter</b>   | University of Würzburg (Germany)   | Resource use and colony performance of honey bees in forest landscapes                 |
| 11,30-11,50 | <b>F. Cappa, R. Cervo &amp; A. Cini</b>  | University of Florence (Italy)   | Antagonistic interactions between wild bees, managed honey bee colonies and wasps      |
| 11,50-12,10 | <b>Monica Vercelli, Antonio Felicioli, Marino Quaranta, Rafael De Silveira Bueno, Tommaso La Mantia &amp; Gabriella Lo Verde</b> | Ispra (Italy); University of Pisa (Italy); Council for Agricultural Research and Economics (Italy) University of Palermo (Italy) | How many managed honey bee colonies in a semiarid island? The case study of Lampedusa. |
| 12,10-12,30 |  |  |  |

**Coffee break corner: Bar open from 10.00 to 12.00 am**

**Afternoon (14,30-17,00)**

Topic: **The value and the conservation of *Apis mellifera* unmanaged colonies**

Chairmans: **Valeria Malagnini** and **Delphine Panziera**

14,30-15,00 Pr. I.: Honey bees surviving *Varroa destructor* infestations in the World: lessons we can take (**Yves le Conte**, French National Institute for Agriculture, Food, and Environment)

| <b>Time</b> | <b>SPEAKER/TOPIC</b>                | <b>Affiliation</b>  | <b>Title</b>  |
|-------------|-------------------------------------|---|---|
| 15,00-15,20 | <b>N. G. Meloni &amp; I. Floris</b> | University of Vienna (Austria); University of Sassari (Italy)             | Wild, Domesticated, Native: Humans-Bees Relationship in Cultural Anthropology |
| 15,20-15,40 | <b>Fanny Mondet</b>                 | French National Institute for Agriculture, Food, and Environment (France) | Molecular basis for the resistance to varroa                                  |

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| 15,40-16,00 | <b>Delphine Panziera</b>   | Wageningen University & Research (Netherlands) | Small rewilding project using nest boxes in The Netherlands and the (naturally-selected) mechanisms involved in resistance to Varroa                |
| 16,00-16,20 | <b>Ginevra Celani, Anna Berti Suman, Antonello Iannacci, Simone Bergonzoli &amp; Danny Clice</b> | Resilient Bee APS                              | Citizen science for the monitoring of Italian unmanaged honey bees: implementation of measurement protocols and “bee guardians” management systems. |
| 16,20-17,00 | <b>G. Meloni &amp; M. Leimstättner</b>   | University of Vienna (Austria)                 | The Journey of the Bees – Nomadic Beekeeping in Europe (Movie)  |

**Coffee break corner: Bar open from 3.30 to 5.30 pm**

**18,00-19,00** – Second round table for the definition of a collegial document for the protection of the unmanaged colonies of *Apis mellifera* (**Pantelleria Declaration**) – Chairman [Fani Hatjina](#)

**Day 3, Thursday 19 May 2022**

**Morning (10,00-13,10):**

Topic: **Monitoring wild pollinators and wild *Apis mellifera***

Chairman: **Monica Vercelli/Marino Quaranta**

09,30-10,00 **welcome coffee**

10,00-10,30 Pr. I.: Red list - state of play - bees and other pollinators (**Marino Quaranta**, Council for Agricultural Research and Economics, Italy)

| <b>Time</b> | <b>SPEAKER</b>       | <b>Affiliation</b>             | <b>Title</b>   |
|-------------|----------------------|--------------------------------|--|
| 10,30-10,50 | <b>Paolo Fontana</b> | Edmund Mach Foundation (Italy) | Mapping and monitoring Western honey bee unmanaged colonies                                      |
| 10,50-11,10 | <b>Arrigo Moro</b>   | Honey Bee Watch Team (Italy)   | Honey Bee Watch: An International Scientific Initiative for the Protection of Surviving Colonies |

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|-------------|--|---|---|
| 11,10-11,30 | <b>Fabrice Requier</b>                           | French National Research Institute for Sustainable Development (France) | Wild-living honey bees in Europe: colony density, survival rate and conservation plans  |
| 11,30-11,50 | <b>Simone Flaminio</b>                           | Council for Agricultural Research and Economics (Italy)                 | Beewatching citizen science on bees   |
| 11,50-12,10 | <b>Manuela Giovanetti</b>                        | Council for Agricultural Research and Economics (Italy)                 | BeeNet wild bee monitoring  |
| 12,10-12,30 | <b>Andree Cappellari &amp; Valeria Malagnini</b> | University of Padua (Italy)<br>Edmund Mach Foundation (Italy)           | The effect of seasonality and landscape composition on pollen   |
| 12,30-12,50 | <b>Gianfranco Caoduro &amp; Nicola Tormen</b>    | World Biodiversity Association (Italy)                                  | From natural beekeeping to the San Michele all'Adige Declaration to the Domus mellifera project: from beekeeping to biodiversity. |
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**Coffee break corner: Bar open from 10.00 to 12.00 am**

**Afternoon (14,30-18,30)**

**Topic: The protection of unmanaged colonies of *Apis mellifera* and of other bees** - Chairman: **Gennaro Di Prisco**

14,30-15,00 Pr. I.: Italian and EU legislation for the protection of bees (**Noa Simon Delso & Piotr Medrzycki**, Beelife, Belgium; Council for Agricultural Research and Economics, Italy)

| <b>Time</b> | <b>SPEAKER/TOPIC</b>         | <b>Affiliation</b>         | <b>Title</b>  |
|-------------|------------------------------|----------------------------|---|
| 15,00-15,20 | <b>Chiara Benedetta Boni</b> | University of Pisa (Italy) | Threats for wild bumblebees conservation on three islands of Tuscan Archipelago National Park |

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| 15,20-15,40 | <b>Anna Gajda, Ewa Mazur &amp; Bartłomiej Molasy</b>   | Warsaw Agricultural University (Poland)  | Research on the causes of death of honey bee colonies ( <i>Apis mellifera</i> L.) inhabiting log hives in the Klodzka Valley - Case study |
| 15,40-16,00 | <b>Fani Hatjina, Sjef Van der Steen &amp; INSIGNIA consortium</b>  | INSIGNIA -EU consortium  | Biomonitoring of environmental pollutants   |
| 16,00-16,20 | <b>Ilaria Negri</b>  | Università Cattolica del Sacro Cuore, Piacenza (Italy)   | Airborne particulate matter: a potential threat to pollinators  |
| 16,20-16,40 | <b>Keith Browne</b>  | National University of Dublin (Ireland)  | Protecting honey bees on the island of Ireland: Our journey from discovery to legislation   |
| 16,40-17,00 | <b>Karen Power, Tecla Toscano, Gennaro Altamura, Patrizio Catalano, Manuela Martano &amp; Paola Maiolino</b> | CERVENE, Dep. of Veterinary Medicine and Animal Productions (Italy); Ist. Zooprofilattico Sperimentale del Mezzogiorno (Italy); Dip. prevenzione asl Na2Nord (Italy) | <i>Vespa orientalis</i> : a possible vector for honeybee pathogens  |
| 17,00-17,20 | <b>Antonio Nanetti</b>   | Council for Agricultural Research and Economics (Italy)  | Beepath   |

**Coffee break corner: Bar open from 3.30 to 5.30 pm**

**17,30-18,30** - Final round table for the definition of a collegial document for the protection of the unmanaged colonies of *Apis mellifera* (**Pantelleria Declaration**) - Chairman: Monica Vercelli

Day 4, Friday 20 May 2022

**Morning (9,30,00-13,00)**

Topic: **World bee day**

9,30-11,00 Celebration of world bee day (**Authorities**)  
M. **Giarratano** (Ecological Transition Ministry)  
Salvatore **Gabriele** (Pantelleria Island National Park - President)  
Toni **Scilla** (Sicilian Region - Agricultural Assessor)  
Vincenzo **Campo** (Pantelleria Municipalità - Mayor)

Signature of the **Pantelleria Declaration** (document for the protection of the unmanaged colonies of *Apis mellifera*)

Topic: **Informative session on the meeting topics**

Chairman: **Ignazio Floris/Sonia Anelli**

| <b>Time</b> | <b>SPEAKER/TOPIC</b>                |   |   |
|-------------|-------------------------------------|---|---|
| 11,00-11,15 | <b>S. Anelli &amp; A. Biddittu</b>  | Pantelleria National Park                                     | La gestione delle api: il punto di vista del Parco Nazionale Isola di Pantelleria   |
| 11,15-11,30 | <b>L. Di Martino</b>                | Maiella National Park   | Monitoring and conservation of pollinators in the territory of the Maiella National Park  |
| 11,30-12,45 | <b>M. Perrone</b>                   | Cinque Terre National Park                                    |   |
| 11,45-12,05 | <b>I. Floris &amp; N. G. Meloni</b> | University of Sassari (Italy); University of Vienna (Austria) | Le interazioni dell'uomo con le api. Testimonianze e racconti di un'isola del Mediterraneo (Sardegna, Italia)/Man's interactions with honey bees. Evidence and tales of a Mediterranean island (Sardinia, Italy). |
| 12,05-12,25 | <b>I. Floris &amp; A. Felicioli</b> | University of Sassari (Italy); University of Pisa (Italy)     | Birds in relation to honey bees/Uccelli in relazione alle api   |
| 12,25-12,45 | <b>M. Pusceddu &amp; A. Satta</b>   | University of Sassari (Italy)                                 | La medicina sociale dall'ape da miele sino all'uomo/Social medication: from honey bee to humankind  |
| 12,45-13,00 | Probably <b>Alessia Rotta</b>       | Environment Commission Chamber of Deputies                    | Una legge per la tutela degli apoidei antofili / Law for conservation of apoidea anthophila   |

**Coffee break corner: Bar open from 10.00 to 12.00 am**