



Apisfero News n.ro 11 – February 2019

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## ApimondiaRoma 2019

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## APIMELL 2019

March 2, 2019 – Write down this appointment! At **APIMELL on Saturday 2 March from 2.30 pm in room D** we will meet to talk about a debated topic and will do it starting from a question: **Why is it useful to count the varroa?**

## Delivery of 10 BeeVS

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## Agripiemonte Miele

February 1, 2019 – The **Agripiemonte Miele association has also chosen to use the BeeVS** for its Varroa control campaigns in the course of 2019. A good opportunity to weave new and important relationships.

## Automatic counting service

2019 – Starting from this year, **the automatic pay-per-use service is finally available.** It is necessary to associate oneself with Apisfero and to express one's own needs:

1. period of use of the instrument;



Sabato 2 marzo 2019

Ore 14:30 sala D



Titolo dell'incontro:

### Perché è utile contare la Varroa?

Come coniugare la ricerca scientifica alla pratica apistica.

Intervengono:

G. Formato (IZSLT)

M. Porporato (UniTo-DISAFa)

M. Rubinigg (Biene Österreich)

S. Angeli (UniBz)

*A cosa serve contare la Varroa?*

*Quali sono i limiti del conteggio umano?*

*Esistono degli strumenti per il conteggio automatico.*

*Quanto sono affidabili questi strumenti?*

*Per quali scopi possono essere utilizzati?*

Ingresso libero

*Al termine dell'incontro ci sarà la consegna ufficiale di dieci Bee Varroa Scanner alla Federazione Apicoltori Austriaci Biene Österreich*

Organizzato dai ricercatori dell'associazione Apisfero A.P.S.

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## New features

Thanks to a survey among users who used the BeeVS, we have introduced **new features that make it easier to use the Bee Varroa Scanner.** We have added the following features:

1. scanning by selection from the list and not just by QRCode;
2. the scan preview to check the image quality before proceeding;
3. Switch off of the BeeVS by remote control; (p.3)

## ApimondiaRoma 2019

February 13, 2019 – At the symposium organized by IZSLT from 13 to 15 February 2019, Apisfero has brought a wind of innovation with a speech on the state of the art of the automatic Varroa counting system based on based on artificial intelligence. The research, lasted more than two years, has led Apisfero to present at an international level **a device capable of recognizing and counting the varroa on the bottom of the hive with a precision that is superior to that of the expert human eye.** The assessment of the results of the automatic counting device was carried out by the University of Turin - DISAFA Prof. Marco Porporato and the scientific manager of the Austrian Beekeepers Federation Biene Österreich Prof. Michael Rubinigg. Now the device is available and the first to use it will be the Austrian beekeeper friends.

**In addition, the use of BeeVS has been included by the Piedmont Region in the PRISA 2019, Integrated Regional Plan for Animal Health.**

The ApimondiaRoma symposium opens up new perspectives for beekeeping. The Apps available for managing beekeeping activities such as HiveTracks and HiveLog can be integrated with the Apisfero database in order to offer the automatic counting service on these platforms as well. Stay connected while awaiting the beekeeping event of Apimondia Montreal in Canada.

We would like to thank Giovanni Formato and his IZSLT team, always very active and dynamic in creating opportunities for exchange ideas in the beekeeping field.



Figure 1 - Presentation of the BeeVS at ApimondiaRoma 2019

## APIMELL 2019

March 2, 2019 – Write down this appointment! At **APIMELL on Saturday 2 March from 2.30 pm in room D** we will meet to talk about a debated topic and will do it starting from a question: **Why is it useful to count the varroa?**

The following guest will help us to find an answer to this and other related questions:

G. Formato (IZSLT)

M. Porporato (UniTo-DISAFA)

M. Rubinigg (Biene Österreich)

S. Angeli (UniBz)

We will discover together that **today technology can increase our ability and speed to observe and make crucial decisions** to avoid the collapse of colonies due to varroa.

An opportunity to bring the research world closer to beekeeping practice and vice versa, it is in fact a **mutual exchange of knowledge and exchange of best practice.** Beekeepers and bee-keeping associations are invited to bring their experience.

### Delivery of 10 BeeVS

March 2, 2019 – On Saturday 2 March, around 4:30 pm, after the meeting that Apisfero has organized, **10 Bee Varroa Scanner will be delivered to the Austrian Beekeepers Federation.**

The scanners will be used throughout the year throughout Austria **for the selection program of queen bees** presenting a hygienic behavior VSH.

In addition, the Apisfero database will be integrated with the Austrian Varroa mapping platform [www.bienengesundheit.at](http://www.bienengesundheit.at). In this way **the sentinel beekeepers who take care of the Varroa count will perform this operation in an easier and more precise way with the help of the Bee Varroa Scanner.**



## Automatic counting service

2019 – Starting from this year, **the automatic pay-per-use service is finally available**. To use the service you must join Apisfero and express your interest by writing to [info@apisfero.org](mailto:info@apisfero.org).

It is important for Apisfero to know:

1. When and for how long you want to use the device;
2. How many scans are necessary.

It is advisable to express your interest in time considering that there is a waiting list of about 4 months.

## Agripiemonte Miele

February 1, 2019 – The **Agripiemonte Miele association has chosen to use the BeeVS** for its Varroa control campaigns during 2019. A good opportunity to weave new and important relationships.

The technicians of Agripiemonte Miele have made the first 300 scans in a single day.



Figure 3 – Technicians of Agripiemonte Miele using the BeeVS

## New features

Thanks to a survey among users who used the BeeVS, we have introduced **new features that make easier to use the Bee Varroa Scanner**. We have added the following features:

1. scanning by selection from the list and not just by QRCode;
2. the scan preview to check the image quality before proceeding;
3. Switch off of the BeeVS by remote control;
4. The Austrian language;
5. USB socket to charge the mobile terminal used as a remote control;
6. Screw-in power socket.

Future BeeVS will be able to scan an even larger area of the fund, thus managing to scan the fund of even 12 frame hives.

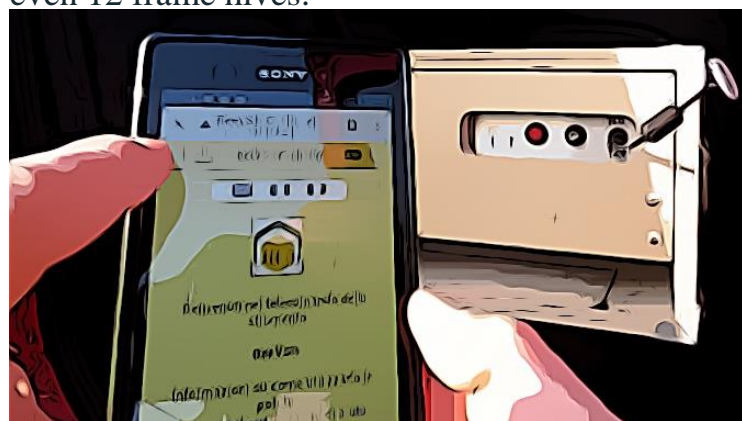


Figure 4 – Use in the field of BeeVS

