

Apisfero News n. 19 – May 2024

5x1000 for beekeeping research

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Finally, after a long journey, Apisfero APS has been included in the [RUNTS](#), the Single National Register of Third Sector entities. From this year we can receive the 5x1000 to finance our beekeeping research.

Thank you if you can allocate your 5x1000 for Apisfero. (only for italian taxes)

SCELTA PER LA DESTINAZIONE DEL CINQUE PER MILLE DELL'IRPEF	
SOSTEGNO DEGLI ENTI DEL TERZO SETTORE ISCRITTI NEL RUNTS DI CUI ALL'ART. 46, C. 1, DEL D.LGS. 3 LUGLIO 2017, N. 117, COMPRESI LE COOPERATIVE SOCIALI ED ESCLUSE LE IMPRESE SOCIALI COSTITUITE IN FORMA DI SOCIETA', NONCHE' SOSTEGNO DELLE ONLUS ISCRITTE ALL'ANAGRAFE	FINAN
FIRMA	FIRMA
Codice fiscale del beneficiario (eventuale)	Codice fisc. beneficiaria
97814760019	

Meliza international fair

The [Meliza International Fair](#) in Zamora (Spain) from 16 to 18 February 2024 represented the first Spanish arrival for our association. It was an important opportunity to raise awareness of our Varroa count scanner and to deepen scientific reports. On this occasion we met [Microfy.ai](#) with whom we actively collaborate. Many exhibitors and the public, an excellent organization that we thank.



Azuqueca de Henares ecomuseum

Among Meliza's several happy encounters was the one with Agustin Arias Martinez, manager of the [Azuqueca World Beekeeping Ecomuseum](#) near Madrid.

Our association has decided to donate one of our instruments to the ecomuseum. Visitors will be able to challenge the machine to see who counts the Varroa better and faster.



In the next few weeks we organize the shipping.

Varroa maturity classification at MeAVeAS

From 22 to 24 April 2024, the International IEEE [Measurement and applications in veterinary and animal sciences](#) workshop took place in Turin where Prof. Pier Paolo Danieli presented the [three-year research work](#) (page 11) which involved the DAFNE department of University of Tuscia and Apisfero entitled *Investigating the honey bee – varroa mite relationship through the developmental stage of the parasite an application of images analysis and AI*. In essence, starting from the scans, we not only determine the number of varroes present but **we divide the varroes maturity into two classes: mature and immature**. This automatic classification therefore allows us to better study the hygienic behavior of honey bees, opening up new perspectives in the selection activity and in the field of beekeeping research.

APIMELL 2024

During the usual appointment of the [Apimell](#) 2024 international beekeeping exhibition held in Piacenza EXPO from 1 to 3 March 2024 in which we have participated since the beginning of our journey, on Saturday afternoon we held the round table entitled:

Riconoscimento e conteggio automatico della varroa

BeeVS: avanzamenti nell'uso dell'intelligenza artificiale per discriminare gli stadi di sviluppo del parassita

On this occasion the speakers who spoke: prof. P.P. Danieli (Unitus), G. Francini (Apisfero scientific manager), M. Rubinigg (researcher and beekeeper) shared the results of the three-year research for the classification of varroa which involved the two research bodies. The debate focused on the potential implications for beekeeping research that these scientific advances could have.



The fair has returned to having very high public influxes, as in the pre-pandemic periods, confirming itself as a fundamental fair in the international and Italian beekeeping scene. Proud to bring new scientific contributions to this location, a watershed place between failure and success for our research activity.



CREA

We are pleased to communicate that the [CREA](#) of Bologna is using one of our scanners for its research while with the CREA of Rome we have started a process of scientific collaboration which we hope will lead to new scientific publications.

Databees

The automatic counting will be integrated into the [Databees](#) beekeeping management software specialized for queen bee breeders and selectors. A further step to improve the possibility of using automatic counting in an increasingly useful way for beekeepers. It is a very practical and functional software designed by a professional beekeeper and which responds precisely to the management needs of the beekeeping company from A to Z, from the hive to delivery.



AI Ethics and Business

Within the City of Turin, a network is being established for the ethical and responsible use of artificial intelligence in which we were invited to participate as an example before its time. Meetings will take place where various use cases will be analyzed, including ours from the point of view of the compliance and contractual business model. The principle is that ethics in A.I. bring a competitive advantage and greater trust.

Are you a company?

And would you like to give your customers the opportunity to adopt hives monitored with our technology based on Artificial Intelligence?

Contact us and we will explain how to participate in the Sustain hive project.