



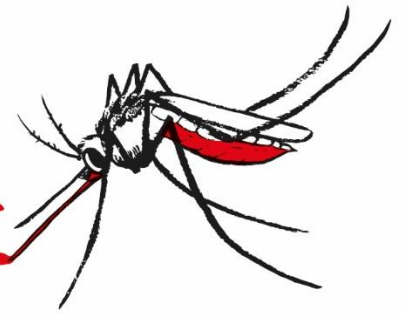
European Mosquito
Control Association

XI International Conference

7-10 November 2023,

Palma, Spain

SHAPING THE FUTURE
OF VECTOR CONTROL IN EUROPE



Universitat
de les Illes Balears



Applied Zoology and Animal
Conservation Research Group



Universitat
de les Illes Balears



Agro-Environmental and
Water Economics Institute

XI International EMCA Conference, Palma, Spain 2023

Programme at glance

Start	End	Monday 6th of November
9:00	18:00	EMCA training course. Guillem Colom Casasnoves build. Ground floor. Laboratory of Zoology WHO-TDR meeting. Guillem Cifre build. Ground floor. Videoconference room 6
18:00	19:30	EMCA Board Meeting (to be attended by Board members only). Gaspar Melchor de Jovellanos build. 1 st floor. Grade room B

Tuesday 7th of November

8:00	9:00	<i>Walk in and registration.</i> Gaspar Melchor de Jovellanos Build. 1 st floor. Assembly hall
9:00	9:30	Opening session - Welcome addresses <i>Chair: Miguel Ángel Miranda</i>
9:30	10:00	Keynote lecture. Chair: Francis Schaffner The isthmus. <u>Dr David Dyjack</u> . National Environmental Health Association (NEHA)
10:00	11:00	Session 1: Surveillance and management of invasive mosquito species <i>Chairs: Sarah Delacour & Francis Schaffner</i>
10:00	10:15	The potential use of detection dogs for the surveillance of the Asian tiger mosquito. <u>Tobias Suter</u> . Swiss Tropical and Public Health Institute
10:15	10:30	Introduction and spread of the invasive mosquito <i>Aedes koreicus</i> in Italy: insights from population genetics. <u>Laura Soresinetti</u> . University of Pavia
10:30	10:45	Using wooden mouth spatulas as oviposition support in ovitraps – What do we miss? <u>Karin Bakran-Lebl</u> . Austrian Agency for Health and Food Safety
10:45	11:00	Development of an artificial intelligence-based workflow for the reliable identification of mosquito species. <u>Kristopher Nolte</u> . Bernhard Nocht Institute for Tropical Medicine
11:00	11:30	<i>Coffee/tea break</i>
11:30	13:00	Session 1: Surveillance and management of invasive mosquito species (cont.) <i>Chairs: Sarah Delacour & Francis Schaffner</i>

- 11:30 11:45 Track the Tiger: unraveling resting site preferences of *Aedes albopictus* in Occitania, France. Antoine Mignotte. Altopictus
- 11:45 12:00 Mosquito species identification with geometric morphometrics and CNNs based on wing images. Felix Sauer. Bernhard Nocht Institute for Tropical Medicine
- 12:00 12:15 Invasive mosquito species and their (mis)management in Germany. Helge Kampen. Friedrich-Loeffler-Institut
- 12:15 12:30 Evaluating spatial and temporal covariate resolution in surveillance and modelling of mosquitoes. Cedric Marsboom. Avia-GIS
- 12:30 12:45 Remote monitoring of disease vector mosquitoes using smart traps with a novel optical sensor. Hugo Osório. National Institute of Health of Portugal
- 12:45 13:00 Lessons learnt from invasive mosquito species control in Belgium. Isra Deblauwe. Institute of Tropical Medicine of Belgium

13:00 14:00 *Lunch*

14:00 15:30 Session 1: Surveillance and management of invasive mosquito species (cont.)

Chairs: Carlos Barceló & Eleonora Flacio

- 14:00 14:15 Comparison between different methods to measure the density of *Aedes albopictus*. Stefano Vettore. Entostudio SRL
- 14:15 14:30 Addressing geographic gaps in UK mosquito surveillance: investigating mosquito distributions in Scotland. Georgia Kirby. University of Glasgow
- 14:30 14:45 Estimating Asian tiger mosquito dispersal through genetic analyses. Vincente Jiménez-Ontiveros. Universitat Pompeu Fabra
- 14:45 15:00 Blood-feeding preferences of *Aedes albopictus* in laboratory conditions. Carlos Barceló. University of the Balearic Islands
- 15:00 15:15 Swiss national monitoring programme of invasive *Aedes* mosquitoes: strategy adaption after 10 years. Bianca Modespacher. Swiss Tropical and Public Health Institute
- 15:15 15:30 Development and validation of a MidInfraRed Spectroscopy approach for *Aedes albopictus* age grading. Alessandra Della Torre. Sapienza University of Rome

15:30 16:30 Session 2: Best practices for mosquito control and biocide management

Chairs: Ruben Bueno Marí & Mara Moreno

- 15:30 15:45 Delaying the establishment of *Aedes albopictus*: Mosquito foci elimination in private places in the Netherlands. Adolfo Ibáñez-Justicia. Netherlands Institute for Vectors, Invasive plants and

Plant Health, Centre for Monitoring of Vectors

- 15:45 16:00 The mortality of *Aedes albopictus* larvae in natural breeding sites. Andrea Drago. Entostudio SRL
- 16:00 16:15 First characterisation of knock-down-resistance mutations within the *vgsc* gene in *Culex pipiens*. Alessandra Della Torre. Sapienza University of Rome
- 16:15 16:30 Behavioural resistance in malaria vectors occurred prior to the scale-up in insecticide-based vector control. Bram Van De Straat. James Cook University
- 16:30 20:00 *Social event: welcome cocktail*. Castillo de San Carlos

Wednesday 8th of November

- 9:00 9:30 Keynote lecture.** Chair: Miguel Ángel Miranda
The coordination of the Spanish National Plan for Prevention, Surveillance and Control of Vector-Borne Diseases. Dr Lucia García San Miguel. Ministry of Health, Madrid. Coordinating Center of Sanitary Alerts and Emergencies
- 9:30 11:00 Session 3: Vector control in the context of disease outbreaks**
Chairs: Karin Bakran-Lebl & Miguel Ángel Miranda
- 9:30 9:45 ARBOPREVENT: Moving from reactive to proactive strategies for the prevention of West Nile virus in Spain. Mikel González. Estación Biológica de Doñana (EBD-CSIC)
- 9:45 10:00 Human-mosquito biting networks and the dynamics of mosquito-borne diseases. John Palmer. Universitat Pompeu Fabra
- 10:00 10:15 Effects of sublethal doses of insecticide on egg-laying, biting and resistance of *Anopheles gambiae*. Gwendoline Acerbi. University of Neuchâtel
- 10:15 10:30 A hybrid model to unveil the role of *Culex torrentium* in West Nile virus transmission in Europe. Sara Margarida Martins-Afonso. Bernhard Nocht Institute for Tropical Medicine
- 10:30 10:45 Epic 2023 rainfall causes mosquito population explosions and impacts West Nile Virus surveillance in Colorado. Robert Hancock. Metropolitan State University of Denver
- 10:45 11:00 Management of major mosquito species, with special emphasis on vectors of dengue and malaria in Pakistan. Muhammad Mukhtar. National Malaria Control Program of Pakistan
- 11:00 11:30 *Coffee/tea break*

11:30 13:00 Session 4: Citizen science and community involvement for mosquito surveillance and control

Chairs: Alessandra Della Torre & Andrea Drago

- 11:30 11:45 Next generation community-based surveillance of mosquitoes: Coupling citizen scientists, experts and machines. Roger Eritja. Centre d'Estudis Avançats de Blanes (CEAB-CSIC)
- 11:45 12:00 Overwintering of tiger mosquitoes (*Aedes albopictus*) in two villages in Belgium. Marie Hermy. Sciensano
- 12:00 12:15 Mosquito Alert ITALIA 2020-2022: citizen engagement, achievements and criticisms. Alessandra Della Torre. Sapienza University of Rome
- 12:15 12:30 Mass trapping for *Aedes albopictus* control in residential areas: NESOTIGER, a large-scale field trial. Ignacio Gil Torró. Inesfly Corporation SL
- 12:30 12:45 Places and times of human-mosquito interaction in urban areas: insights from Barcelona. Isis Sanpera-Calbet. Centre d'Estudis Avançats de Blanes (CEAB-CSIC)
- 12:45 13:00 Buzz and croak: microwetland biodiversity links through field, experimental, and citizen science studies. Aitor Cevidanes. NEIKER

13:00 14:00 *Lunch*

Poster session. Gaspar Melchor de Jovellanos Build. 1st floor. Hall

See poster list below (Pages 9-11)

14:00 15:30 Mosquito Alert session (to be attended by MA members only). Gaspar Melchor de Jovellanos build. Ground floor. Room AB03

15:30 16:00 *Coffee/tea break*

16:00 17:30 Session 5: One health: challenges and perspectives

Chairs: Alexandra Chaskopoulou & Ignacio Ruiz-Arrondo

- 16:00 16:15 Results of entomological surveillance 2022 for West Nile and Usutu virus in northeastern Italy. Fabrizio Montarsi. Istituto Zooprofilattico Sperimentale delle Venezie
- 16:15 16:30 Investigation of *Dirofilaria* spp. infection in *Culex pipiens* mosquitoes and dogs across Attica Region. Marina Bisia. Benaki Phytopathological Institute
- 16:30 16:45 Integrated approaches for mosquitoes blood meal analysis, species identification and virus screening in Spain. Luis Hernández-Triana. Animal and Plant Health agency
- 16:45 17:00 Assessing the risk of mosquito-borne diseases in Scotland and their response to environmental change. Heather Ferguson. University of Glasgow

- 17:00 17:15 *Culex pipiens* biotype *pipiens* and *Cx. torrentium* show opportunistic host-feeding patterns. Magdalena Wehmeyer. Bernhard Nocht Institute for Tropical Medicine
- 17:15 17:30 Evaluation of methods using honey dipped FTA-Filter for detection of mosquito borne viruses. Tobias Lilja. National Veterinary Institute of Sweden
- 17:30 19:00 **EMCA AGM** (to be attended by all EMCA members). Gaspar Melchor de Jovellanos Build. 1st floor. Assembly hall
- 19:00 20:30 **Tasting of local products offered by INAGEA-UIB**. Gaspar Melchor de Jovellanos Build. 1st floor. Hall

Thursday 9th of November

- 9:00 9:30 Keynote lecture.** Chair: Eleonora Flacio
In search of new tools towards improving sand fly control strategies. Dr Alexandra Chaskopoulou. Research Entomologist EBCL, USDA-ARS
- 9:30 11:00 Session 6: Surveillance and management of black flies, sand flies, ticks, and others**
Chairs: Jolyon Medlock & Tatiana Şuleşco
- 9:30 9:45 A survey of sand flies across their known northern distribution range limit in Western Europe, summer 2023. José Risueño. University of Murcia
- 9:45 10:00 The Phlebotomine sand fly fauna of Switzerland revisited. Francis Schaffner. University of Zürich
- 10:00 10:15 Black flies (Simuliidae): best practices for a major emerging pest in southern Europe. Part 1: Surveillance. Ignacio Ruiz-Arrondo. Centro de Investigación Biomédica de La Rioja
- 10:15 10:30 Black flies: best practices for a major emerging pest in southern Europe. Part 2: Treatments and evaluation. Marcos López-de-Felipe. FleboCollect
- 10:30 10:45 Stable fly management at a Donkey Sanctuary in Spain: a new IPM approach. Gérard Duvallet. University Paul-Valéry Montpellier
- 10:45 11:00 Integrated approaches for surveillance of ticks and tick-borne diseases of livestock importance. Luis Hernández-Triana. Animal and Plant Health Agency
- 11:00 11:30 *Coffee/tea break*
- 11:30 12:00 Session 6: Surveillance and management of black flies, sand flies, ticks, and others**
Chairs: Jolyon Medlock & Tatiana Şuleşco

- 11:30 11:45 “Paparra Balear” a citizen science project for the surveillance of ticks in the Balearic Islands (Spain). Miguel Ángel Miranda. University of the Balearic Islands
- 11:45 12:00 Risk evaluation of mosquito species and their effects on human and animal health in Qatar. Fatima Al-Khayat. Qatar university
- 12:00 13:00 Session 7: Mosquito control in the Mediterranean region and wetland conservation**
Chairs: Estella Gonzalez & Hans Jerrentrup
- 12:00 12:15 Drivers of the abundance of a local population of *Aedes albopictus* in Catalonia (Spain). Laura Blanco-Sierra. Centre d’Estudis Avançats de Blanes (CEAB-CSIC)
- 12:15 12:30 Larvicide treatment optimisation at a botanical garden. Jesús Bellver-Arnau. Centre d’Estudis Avançats de Blanes (CEAB-CSIC)
- 12:30 12:45 Cost-benefit analysis of *Aedes albopictus* population reduction methods evaluated in southern France. Cyrille Czeher. EID-Med
- 12:45 13:00 Achieving operational effectiveness on a regional scale: challenges and solutions of Western Greece's project. Nikolaos Perros. Ecodevelopment SA
- 13:00 14:00 *Lunch*
- 14:00 14:30 Round table: Best practices for mosquito control in built-up areas**
Chair: Florence Fouque
 Sandra Gewehr, Andrea Drago, Rubén Bueno-Marí, Spiros Mourelatos
- 16:00 18:00 *Social events (visits)*. Meeting point : Parc de la Mar. Details to be announced
- 20:00 *Gala dinner*. Lío Palma

Friday 10th of November

- 9:00 9:30 Keynote lecture.** Chair: Sandra Gewehr
 WHO and Vector Control, from the first recommendations to the current evidence-based guidelines. Dr Florence Fouque. Polytechnic School of Zurich and Faculty of Medicine of Montpellier. Scientist and Focal Point for vectors at TDR/WHO.
- 9:30 11:00 Session 8: New technologies and practices in vector control**
Chairs: Sandra Gewehr & Andreas Rose
- 9:30 9:45 Combining SIT with automation and machine learning to reduce mosquito-borne disease

- globally. Evdoxia Kakani. Verily/Debug
- 9:45 10:00 Application of SIT as an integrated control measure for *Ae. albopictus* in the Canton of Ticino (Switzerland). Eleonora Flacio. University of applied sciences and arts of Southern Switzerland
- 10:00 10:15 VEClim - an early warning support system for climate-sensitive vector-borne diseases. Kamil Erguler. The Cyprus Institute
- 10:15 10:30 A mechanistic model to predict spatial temporal patterns of *Culex pipiens s.s./Cx. torrentium* in Germany. Leif Rauhöft. Bernhard Nocht Institute for Tropical Medicine
- 10:30 10:45 MosChito rafts: eco-compatible floating structures for the control of larvae of native and invasive mosquitoes. Agata Negri. University of Milan
- 10:45 11:00 Targeting host factors to stop viral replication in *Aedes albopictus*. Alejandra Centurión-Carrera. Fraunhofer IME-BR
- 11:00 11:30 *Coffee/tea break*
- 11:30 12:30 Session 8: New technologies and practices in vector control (cont.)**
Chair: Heather Ferguson & Spiros Mourelatos
- 11:30 11:45 Preliminary results on the implementation of a boosted Sterile Insect Technique targeting *Aedes albopictus*. Antonios Michaelakis. Benaki Phytopathological Institute
- 11:45 12:00 E4Warning: preliminary data on mark release recapture of *Culex pipiens* in Switzerland. Eva Veronesi. University of applied sciences and arts of Southern Switzerland
- 12:00 12:15 The value of data collection and processing in mosquito control projects. Stella Kalaitzopoulou. Ecodevelopment SA
- 12:15 13:00 Conference closing, awards, announcements**
 Chair: Sandra Gewehr
- 15:00 18:00 **EMCA Best practices WG meeting.** Gaspar Melchor de Jovellanos build. 1st floor. Grade room B

Saturday 11th of November

- 9:00 13:00 **EMCA Best practices WG meeting.** Sa Riera build. Room 26. Palma city centre.
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XI International EMCA Conference, Palma, Spain 2023

Posters list

Session 1: Surveillance and management of invasive mosquito species

S1-01	Contrasting <i>Aedes albopictus</i> and <i>Aedes japonicus</i> egg laying activity in 2021-2022, in northern Spain	<u>Aitor Cevidanes</u> (NEIKER)
S1-02	Comparison of a multiplex PCR with DNA Barcoding for identification of container breeding mosquito species	<u>Julia Reichl</u> (Austrian Agency for Food and Health Safety)
S1-03	Entomological surveillance of <i>Aedes albopictus</i> and arbovirus imported cases in Eastern Spain throughout 2022	<u>David López-Peña</u> (University of Valencia)
S1-04	The use of thoracic chaetotaxy as a tool for identification of <i>Aedes</i> invasive species	<u>Tatiana Suleşco</u> (Bernhard Nocht Institute for Tropical Medicine)
S1-05	Invasive mosquito surveillance in the UK, 2020 - 2023	<u>Jolyon Medlock</u> (UK Health Security Agency)
S1-06	Genetic diversity and wing geometric morphometrics among four populations of <i>Aedes aegypti</i> from Benin	<u>Hanna Jöst</u> (Bernhard Nocht Institute for Tropical Medicine)
S1-07	First observations of <i>Aedes albopictus</i> (Skuse 1894) in Sweden	<u>Anders Lindström</u> (National Veterinary Institute of Sweden)
S1-08	The rise of <i>Aedes albopictus</i> in the Basel region at the Swiss-French-German tri-national border	<u>Martin Gschwind</u> (Swiss Tropical and Public Health Institute)
S1-09	Uncovering <i>Aedes albopictus</i> spatio-temporal dynamics at urban microscales through genetic and network analyses	<u>Federica Lucati</u> (Universitat Pompeu Fabra)
S1-10	Estimating the number of female mosquitoes from the number of eggs	<u>Eleonora Flacio</u> (University of applied sciences and arts of Southern Switzerland)
S1-11	Spreading of invasive mosquito <i>Aedes japonicus</i> and <i>Aedes koreicus</i> in Italy	<u>Alice Michelutti</u> (IZSve)
S1-12	Tree-hole breeding mosquitoes in the Prater area in Vienna, Austria: Do we find tiger mosquitoes there?	<u>Hans-Peter Fuehrer</u> (Institute of Parasitology, Vetmeduni Vienna)
S1-13	Spread of the Asian tiger mosquito in western Switzerland: measures taken, successes and problematic cases	<u>Lukas Engeler</u> (University of applied sciences and arts of Southern Switzerland)
S1-14	A journey through time: a decade of entomological surveillance in the Canary Islands	<u>Irene Serafín- Pérez</u> (Instituto Universitario de Enfermedades Tropicales y Salud Pública de Canarias/ Universidad de La Laguna)

Session 2: Best practices for mosquito control and biocide management

S2-01	Effect of gender in the duration of the topical repellent efficacy against mosquitoes	<u>Andrea Drago</u> (Entostudio SRL)
S2-02	Efficacy and repellence of a Lethal Ovitrap coated with Inesfly 5A IGR NG: laboratory tests	<u>Mikel Bengoa</u> (Anticimex)
S2-03	Spatial distribution of pyrethroid resistance-associated mutations in <i>Aedes albopictus</i> across southern France	<u>Antoine Mignotte</u> (Altopictus)
S2-04	Lack of pyrethroid resistance alleles in <i>Aedes caspius</i> sympatric with resistant <i>Ae. albopictus</i> and <i>Cx. pipiens</i>	<u>Alessandra Della Torre</u> (Sapienza University of Rome)

Session 3: Vector control in the context of disease outbreaks

S3-01	A mathematical model for the transmission dynamics of Usutu virus in Germany	<u>Pride Duve</u> (Bernhard Nocht Institute for Tropical Medicine/ University of Hamburg)
S3-02	Carry-over and fitness effects in <i>Culex</i> species along a land-use gradient	<u>Carmen Villacañas De Castro</u> (Carl von Ossietzky Universität Oldenburg)
S3-03	The impact of various parameters of water bodies for the abundance and species composition of mosquito larvae	<u>Kristina Valavičiūtė-Pocienė</u> (Nature Research Centre)

Session 4: Citizen science and community involvement for mosquito surveillance and control		
S4-01	Mosquito nuisance and control in the UK in 2022; A questionnaire-based survey of Local Authorities	<u>Jolyon Medlock</u> (UK Health Security Agency)
S4-02	Modelling spatial risk of malaria through probability distribution of <i>Anopheles atroparvus</i> and imported cases	<u>Mikel A. González</u> (Estación Biológica de Doñana EBD-CSIC)
S4-03	Abacus: a rapid and reliable method to estimate larval abundance of container mosquitoes in the field	<u>Guillaume Lacour</u> (Altopictus)
S4-04	Mosquito Alert: Schools collaborate in vector control through citizen science	<u>Santi Escartin</u> (Centre d'Estudis Avançats de Blanes CEAB-CSIC)
Session 5: One health: challenges and perspectives		
S5-01	Spread of <i>Dirofilaria immitis</i> and <i>D. repens</i> in Europe	<u>Renke Lühken</u> (Bernhard Nocht Institute for Tropical Medicine)
S5-02	The risk of dengue virus emergence in Romania, in the conditions of climate warming	<u>María Larisa Ivanescu</u> (Iasi University of Life Sciences)
Session 6: Surveillance and management of black flies, sand flies, ticks, and others		
S6-01	DNA barcoding Latvian mosquitoes (Diptera: Culicidae) reveals hidden species diversity	<u>Tatiana Şuleşco</u> (Bernhard Nocht Institute for Tropical Medicine)
S6-02	Contribution to the knowledge of black flies (Diptera: Simuliidae) in the Republic of Moldova	<u>Tatiana Şuleşco</u> (Bernhard Nocht Institute for Tropical Medicine)
S6-03	Tick distribution in the UK and possible expansion of <i>Ixodes ricinus</i> identified using passive surveillance	<u>Jolyon Medlock</u> (UK Health Security Agency)
S6-04	Prevalence of <i>B. burgdorferi</i> s.l., <i>A. phagocytophilum</i> and <i>Babesia</i> spp. in questing <i>Ixodes ricinus</i> in the UK	<u>Jolyon Medlock</u> (UK Health Security Agency)
S6-05	Pathogens detected in ticks collected from foxes (<i>Vulpes vulpes</i>) in the United Kingdom	<u>Estela González</u> (Animal and Plant Health Agency)
S6-06	Sand fly entomological survey in outskirts areas with high incidence of human leishmaniosis in southern Spain	<u>Daniel Bravo-Barriga</u> (University of Córdoba)
S6-07	Understanding the vector role and distribution of Stomoxyini flies (Diptera: Muscidae) in the Balearic Islands	<u>Daniel Bravo-Barriga</u> (University of Córdoba)
Session 7: Mosquito control in the Mediterranean region and wetland conservation		
S7-01	Results from a 3-years field evaluation of a mass trapping strategy against <i>Aedes albopictus</i> and <i>Aedes aegypti</i>	<u>Nicolas Le Doeuff</u> (EID-Med)
S7-02	Field efficacy of consecutive VectoMax® FG larvicide treatments against <i>Aedes albopictus</i> and <i>Culex pipiens</i>	<u>Diego Parrondo-Montón</u> (University of applied sciences and arts of Southern Switzerland)
S7-03	Seasonality, ecology and control of floodwater mosquitoes in a summer flooded riverine wetland in Britain	<u>Jolyon Medlock</u> (UK Health Security Agency)
S7-04	An update on the ecology, seasonality and distribution of <i>Culex modestus</i> in England	<u>Jolyon Medlock</u> (UK Health Security Agency)
S7-05	Vector control in a Spanish natural environment, La Peña reservoir	<u>Laura Perigot-Poyo</u> (Quimera Biological Systems S.L)
S7-06	Effect of water salinity on immature performance and the lifespan of adult Asian tiger mosquito	<u>Laura Blanco-Sierra</u> (Centre d'Estudis Avançats de Blanes CEAB-CSIC)
S7-07	<i>Wolbachia pipientis</i> infections in populations of <i>Aedes albopictus</i> , <i>Culex pipiens</i> and <i>Drosophila melanogaster</i>	<u>Rubén Bueno-Marí</u> (Rentokil Initial)
S7-08	Mosquito breeding in street catch basins: diversity of species and effects of a residual treatment in Valencia	<u>Ignacio Gil-Torró</u> (Inesfly Corporation S.L)
S7-09	Monitoring the effects of mosquito control on the	<u>Raquel Gutiérrez-Climente</u> (EID-Med)

	biodiversity of wetlands	
S7-10	Mosquitoes and rewetting of peatlands	<u>Disa Eklöf</u> (National Veterinary Institute of Sweden)
Session 8: New technologies and practices in vector control		
S8-01	Optical recognition of the eggs of four Aedine mosquito species	<u>Eleonora Flacio</u> (University of applied sciences and arts of Southern Switzerland)
S8-02	Random mutations induced by a sub-sterilising dose GR on <i>Ae. albopictus</i> male pupae and transmission to progeny	<u>Diego Parrondo-Montón</u> (University of applied sciences and arts of Southern Switzerland)
S8-03	Pilot study to evaluate alternative and eco-friendly methods for mosquito control in an urban area (Italy)	<u>Alice Michelutti</u> (IZSve)
S8-04	RNA interference as an alternative control strategy against mosquito populations	<u>Bodunrin Omokungbe</u> (Justus-Liebig University)
S8-05	Validation of FTA cards to detect mosquitoes and arboviruses in surveillance programmes	<u>Lisa Josefine Winter</u> (Bernhard Nocht Institute for Tropical Medicine)
S8-06	Assessment of a mobile qPCR laboratory to test Guatemalan mosquitoes for DENV, CHIKV, and Zika viruses	<u>Cameron Gundry</u> (Co-Diagnostics, Inc.)
S8-07	Strong electric field repel mosquitoes: Initial field tests, using charged Venetian blinds	<u>Andreas Rose</u> (Biogents AG)
S8-08	Mark-Release-Recapture of <i>Aedes albopictus</i> in Portugal: the influence of climatic factors	<u>Hugo Osório</u> (National Institute of Health)
S8-09	New approaches to determine the age of <i>Culex pipiens</i> s.s. mosquitoes	<u>Maria I. González</u> (Centre d'Estudis Avançats de Blanes CEAB-CSIC)
S8-10	Improving spraying by air stream: Spraying efficiently from 0.5 up to 13 m and saving up to 40% liquid	<u>Tobias Hüni</u> (Birchmeier Sprühtechnik AG)

XI International EMCA Conference, Palma, Spain 2023

List of participants

Surname	Name	Affiliation	Country
Abu Imroz	Ali	Russell IPM Ltd	United Kingdom
Acerbi	Gwendoline	University of Neuchâtel	Switzerland
Ahmed	Ayman	University of Khartoum	Sudan
Al-Khayat	Fatima	Qatar university	Qatar
Alsedig	Khider	National Public Health Laboratory	Sudan
Bakran-Lebl	Karin	Austrian Agency for Health and Food Safety	Austria
Barandika	Jesse	NEIKER	Spain
Barceló	Carlos	University of the Balearic Islands	Spain
Bartumeus	Frederic	Centre d'Estudis Avançats de Blanes (CEAB-CSIC)	Spain
Basí	Joan	Mancomunitat Servei Control Mosquits Badia de Roses i Baix Ter	Spain
Beck	Matthias	KABS e.V.	Germany
Belica	Michal	City Hall of the Bratislava	Slovakia
Bellet	Christophe	EIRAD	France
Bellver Arnau	Jesús	Centre d'Estudis Avançats de Blanes (CEAB-CSIC)	Spain
Bengoa Paulis	Mikel	Anticimex	Spain
Benzonana	Laura	Co-Diagnostics, Inc.	United States
Bindler	Philippe	Brigade Verte	France
Bisia	Marina	Benaki Phytopathological Institute	Greece
Blanco Sierra	Laura	Centre d'Estudis Avançats de Blanes (CEAB-CSIC)	Spain
Blue	Christian	Biologisk Myggkontroll	Sweden
Borràs Borràs	David	Institut de Recerca i Formació Agroalimentària i Pesquera de les Illes Balears (IRFAP)	Spain
Bravo-Barriga	Daniel	University of Cordoba, Cordoba	Spain
Bueno-Marí	Rubén	Rentokil Initial	Spain
Centurió Carrera	Alejandra	Fraunhofer IME-BR	Germany
Cevidanes	Aitor	NEIKER	Spain
Charoenwiriypap	Teerapap	Kasetsart University	Thailand
Chaskopoulou	Alexandra	EBCL, USDA-ARS	Greece
Costa Osório	Hugo	National Institute of Health of Portugal	Portugal
Crivei	Luciana Alexandra	Iasi University of Life Science	Romania
Czeher	Cyrille	EID-Med	France
Deblauwe	Isra	Institute of Tropical Medicine	Belgium
Delacour Estrella	Sarah	University of Zaragoza/ Quimera Biological Systems S.L.	Spain
Della Torre	Alessandra	Sapienza University of Rome	Italy
Dennehy	Jessica	Arctech Innovation	United Kingdom
Diamantopoulos	Vasileios	University of Thessaly/ General Director of Public Health and Social Welfare	Greece
Dinglasan	Rhoel	University of Florida Emerging Pathogens Institute	United States
Drago	Andrea	Entostudio SRL	Italy

Duvallet	Gérard	University Paul-Valery Montpellier	France
Duve	Pride	Bernhard Nocht Institute for Tropical Medicine/ University of Hamburg	Germany
Dyjack	David	National Environmental Health Assn	United States
Eklöf	Disa	National Veterinary Institute of Sweden	Sweden
Elanga Ndille	Emmanuel	University of Dschang / Centre for Research in Infectious Diseases (CRID)	Cameroon
Engeler	Lukas	University of applied sciences and arts of Southern Switzerland (SUPSI)	Switzerland
Erguler	Kamil	The Cyprus Institute	Cyprus
Eritja	Roger	Centre d'Estudis Avançats de Blanes (CEAB-CSIC)	Spain
Escartin	Santi	Centre d'Estudis Avançats de Blanes (CEAB-CSIC)	Spain
Ferguson	Heather	University of Glasgow	United Kingdom
Fernandez	Marlon	Co-Diagnostics, Inc.	Guatemala
Flacio	Eleonora	University of applied sciences and arts of Southern Switzerland (SUPSI)	Switzerland
Fouque	Florence	WHO	Switzerland
Foussadier	Rémi	EIRAD	France
Frick	Gerda	Klaus Thomas Zimmermann	Austria
Fuehrer	Hans-Peter	Institute of Parasitology, Vetmeduni Vienna	Austria
García Howlett	Manuel	Lokímica S.A.	Spain
García Masiá	Isaac Antonio	Rentokil Initial	Spain
Garcia San Miguel	Lucia	Ministry of Health	Spain
Gewehr	Sandra	Ecodevelopment SA	Greece
Gil Torró	Ignacio	Inesfly Corporation S.L	Spain
Gonzalez	Mikel Alexander	Estación Biológica Doñana (EBD-CSIC)	Spain
González	María I.	Centre d'Estudis Avançats de Blanes (CEAB-CSIC)	Spain
Gonzalez Fernandez	Estela	Animal and Plant Health Agency	Spain
Gschwind	Martin	Swiss Tropical and Public Health Institute	Switzerland
Gundry	Cameron	Co-Diagnostics, Inc.	United States
Gutiérrez Climente	Raquel	EID-Med	France
Haddad	Nabil	Lebanese University	Lebanon
Haecker	Irina	Justus Liebig University	Germany
Hancock	Robert	Metropolitan State University of Denver	United States
Heitmann	Anna	Bernhard Nocht Institute for Tropical Medicine	Germany
Hermy	Marie	Sciensano	Belgium
Hernandez Triana	Luis M	Animal and Plant Health Agency	UK
Houben	Sarah	Avia-GIS	Belgium
Hüni	Tobias	Birchmeier Sprühtechnik AG	Switzerland
Ibáñez-Justicia	Adolfo	Netherlands Institute for Vectors, Invasive plants and Plant Health (NIVIP), Centre for Monitoring of Vectors (CMV)	Netherlands
Ibarrondo	Patirke	NEIKER	Spain
Ivanescu	Maria Larisa	Iasi University of Life Sciences	Romania

Jansen	Stephanie	Bernhard Nocht Institute for Tropical Medicine/ University of Hamburg	Germany
Jaramillo Ramirez	Gloria Isabel	Universidad Cooperativa de Colombia	Colombia
Jeannin	Christian	EDIALUX FRANCE	France
Jerrentrup	Hans	KABS e.V.	Germany
Jiménez Ontiveros	Vicente Luis	Universitat Pompeu Fabra	Spain
Jöst	Hanna	Bernhard Nocht Institute for Tropical Medicine	Germany
Jutzeler	Matilda	Biologisk Myggkontroll	Sweden
Kakani	Evdoxia	Verily/Debug	United States
Kalaitzopoulou	Stella	Ecodevelopment SA	Greece
Kampen	Helge	Friedrich-Loeffler-Institut	Germany
Karch	Anais	A.R.D	France
Kehrer-Berger	Anja	German Environment Agency	Germany
Kirby	Georgia	University of Glasgow	United Kingdom
Krebs	Thomas	Brigade Verte	France
Kuhn	Carola	German Environment Agency	Germany
Lacour	Guillaume	Altopictus	France
Le Doeuff	Nicolas	EID-Med	France
Leconge	Maureen	EDIALUX FRANCE	France
Leyva Silva	Maureen Isabel	Institute of Tropical Medicine Pedro Kourí	Cuba
Li	Shuang	Biogents AG	Germany
Lilja	Tobias	National Veterinary Institute of Sweden	Sweden
Lindström	Anders	National Veterinary Institute of Sweden	Sweden
López De Mateo	Santiago	Inesfly Corporation S.L	Spain
López Peña	David	University of Valencia	Spain
López-de-Felipe	Marcos	FleboCollect	Spain
Lucati	Federica	Universitat Pompeu Fabra	Spain
Lühken	Renke	Bernhard Nocht Institute for Tropical Medicine	Germany
Luzón	Raúl	Vectobal	Spain
Majambere	Silas	Valent Biosciences LLC	Norway
Marsboom	Cedric	Avia-GIS	Belgium
Martins Afonso	Sara Margarida	Bernhard Nocht Institute for Tropical Medicine	Germany
Masià	Montserrat	COPATE	Spain
Mbogo	Charles	Pan African Mosquito Control Association (PAMCA)	Kenya
Medlock	Jolyon	UK Health Security Agency	United Kingdom
M'ghirbi	Youmna	Institut Pasteur of Tunis	Tunisia
Michaelakis	Antonios	Benaki Phytopathological Institute	Greece
Michelutti	Alice	IZSve	Italy
Mignotte	Antoine	Altopictus	France
Mindru	Raluca	Iasi University of Life Sciences	Romania
Miranda	Miguel Ángel	University of the Balearic Islands	Spain
Mirkovic	Aleksandar	EKO-SAN PLUS	Serbia
Mirkovic	Ivan	EKO-SAN PLUS	Serbia

Mitrović	Jelena	PUC City Sanitation	Serbia
Modespacher	Bianca	Swiss Tropical and Public Health Institute	Switzerland
Montarsi	Fabrizio	Istituto Zooprofilattico Sperimentale delle Venezie	Italy
Moreno	Mara	Henkel Ibérica	Spain
Mourelatos	Spiros	Ecodevelopment SA	Greece
Mukhtar	Muhammad	National Malaria Control Program (NMCP)	Pakistan
Müller	Gabi	Urban Pest Advisory Service, City of Zurich	Switzerland
Müller	Pie	Swiss Tropical and Public Health Institute	Switzerland
Naranjo	Raúl	Mylva	Spain
Nararak	Jirod	Kasetsart University	Thailand
Negri	Agata	University of Milan	Italy
Njoroge	Margaret Mendi	ICIZE	Kenya
Nogues	Georges	EDIALUX FRANCE	France
Nolte	Kristopher	Bernhard Nocht Institute for Tropical Medicine	Germany
Ollé	Àlex	Mancomunitat Servei Control Mosquits Badia de Roses i Baix Ter	Spain
Omokungbe	Bodunrin	Justus Liebig University	Germany
Palmer	John	Universtitat Pompeu Fabra	Spain
Papadakis	Antonios	Deputy Head, Public Health Administration, Region of Crete	Greece
Parrondo Monton	Diego	University of applied sciences and arts of Southern Switzerland (SUPSI)	Switzerland
Patsoula	Eleni	University of West Attica	Greece
Perigot Poyo	Laura	Quimera Biological Systems S.L	Spain
Perros	Nikolaos	Ecodevelopment SA	Greece
Pfirsch	Francoise	EMCA	France
Pfitzer	Wolf Peter	KABS e.V.	Germany
Plenge-Bönig	Anita	Institute for Hygiene and Environment, City of Hamburg	Germany
Poletto	Eleonora	Istituto Zooprofilattico Sperimentale delle Venezie	Italy
Pous	Ernest	Mancomunitat Servei Control Mosquits Badia de Roses i Baix Ter	Spain
Pybis	James	Russell IPM Ltd.	United Kingdom
Radosavljevic	Milenko	EKO-SAN PLUS	Serbia
Rajković	Milica	PUC City Sanitation	Serbia
Rauhöft	Leif	Bernhard Nocht Institute for Tropical Medicine	Germany
Reichl	Julia	Austrian Agency for Food and Health Safety	Austria
Risueño	José	University of Murcia	Spain
Rodríguez Camacho	Sara	Instituto Universitario de Enfermedades Tropicales y Salud pública de Canarias	Spain
Rose	Andreas	Biogents AG	Germany
Ruiz Arrondo	Ignacio	Centro de Investigación Biomédica de La Rioja (CIBIR)	Spain
Ruocco	Gioele	Ekommerce Srl	Italy
Sabatini	Alberto	IGEBA Geraetebau GmbH	Germany

Sanpera-Calbet	Isis	Universitat Pompeu Fabra	Spain
Sasson	Petra	Verily / Debug	United States
Sauer	Felix	Bernhard Nocht Institute for Tropical Medicine	Germany
Schaffner	Francis	FS Consultancy	Switzerland
Schneider	Anna	Institute of Tropical Medicine	Belgium
Schöck	Isabelle	Senckenberg Gesellschaft für Naturforschung	Germany
Schweitzer	Jérémy	Brigade Verte	France
Seelig	Frederik	The Global Vector Hub/Aarhus University	Denmark
Serafín Pérez	Irene	Instituto Universitario de Enfermedades Tropicales y Salud Pública de Canarias/ Universidad de La Laguna	Spain
Slavi	Mahi	EMCA	Greece
Snelinski	Birgit	German Environment Agency	Germany
Soresinetti	Laura	University of Pavia	Italy
Spencer	Freya	Arctech Innovation	United Kingdom
Spina	Giuseppe	Ekommerce Srl	Italy
Stančić	Igor	Ciklonizacija AD	Serbia
Stano	Michal	City Hall of the Bratislava	Slovakia
Şuleşco	Tatiana	Bernhard Nocht Institute for Tropical Medicine	Germany
Suter	Tobias	Swiss Tropical and Public Health Institute	Switzerland
Thilly	Xavier	EDIALUX FRANCE	France
Torrellas	Marina	Mancomunitat Servei Control Mosquits Badia de Roses i Baix Ter	Spain
Valavičiūtė-Pocienė	Kristina	Nature Research Centre	Lithuania
Van de Straat	Bram	James Cook University	Australia
Veronesi	Eva	University of applied sciences and arts of Southern Switzerland (SUPSI)	Switzerland
Versteirt	Veerle	Agency for Nature and Forest	Belgium
Vettore	Stefano	Entostudio SRL	Italy
Villacañas de Castro	Carmen	Carl von Ossietzky Universität Oldenburg	Germany
Vukićević Radić	Olivera	PUC City Sanitation	Serbia
Wehmeyer	Magdalena Laura	Bernhard Nocht Institute for Tropical Medicine	Germany
Weitzel	Thomas	KABS e.V.	Germany
Wint	William	Environmental Research Group Oxford Ltd	United Kingdom
Winter	Lisa Josefine	Bernhard Nocht Institute for Tropical Medicine	Germany
Zankl	Niko	Biogents AG	Germany
Zimmermann	Klaus	Klaus Thomas Zimmermann	Austria

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Practical information

Event	Day/time	Location	Person in charge
EMCA training course	Monday 6/11/2023 (9:00-18:00)	Guillem Colom Casasnoves build. (UIB). Ground floor. Laboratory of zoology	Carlos Barceló & Miguel Á. Miranda
WHO-TDR meeting	Monday 6/11/2023 (9:00-18:00)	Guillem Cifre build. (UIB). Ground floor. Videoconference room 6	Sandra Gewehr
EMCA Board Meeting	Monday 6/11/2023 (18:00-19:30)	Gaspar Melchor de Jovellanos build. (UIB). 1 st floor. Grade room B	Francis Schaffner
XI International EMCA congress	Tuesday 7/11/2023 (8:00h) - Friday 10/11/2023 (13:00h)	Gaspar Melchor de Jovellanos Build. (UIB) 1 st floor. Assembly hall	Organising committee
Welcome Cocktail	Tuesday 7/11/2023 (16:30-20:00)	Castillo de San Carlos. Carretera Dic de l'Oest, s/n, Palma	Carlos Barceló & Miguel Á. Miranda
Mosquito Alert session	Wednesday 8/11/2023 (14:00-15:30)	Gaspar Melchor de Jovellanos build. (UIB). Ground floor. Room AB03	Roger Eritja
Social events	Thursday 9/11/2023 (16:00-18:00)	Parc de la Mar. Palma (details will be announced)	Carlos Barceló & Miguel Á. Miranda
Gala dinner	Thursday 9/11/2023 (20:00h)	Lío Palma. Plaza Gomila 3. Palma	Carlos Barceló & Miguel Á. Miranda
EMCA Best practices WG meeting	Friday 10/11/2023 15:00 – 18:00	Gaspar Melchor de Jovellanos build. (UIB) 1st floor. Grade room B	Sandra Gewehr
EMCA Best practices WG meeting.	Saturday 11/11/2023 (9:00-11:00)	Sa Riera build. Room 26. Palma city centre.	Sandra Gewehr