24th Conference

27-30 October 2026, Valencia (Spain)

PROGRAM

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The Society for Vector Ecology is a professional organization committed to solving many complex problems encountered in the field of vector biology/control

20 ESOVE 26

From ecology to outbreaks:
Integrating knowledge for effective vector management in Europe

Program at a glance

MONDAY 26
26 October 2026

18:00	Pre-registration
19:00	Welcome

TUESDAY 27
27 October 2026

07:45	Registration
08:15	Conference Opening
08:30	**Keynote speaker 1**
09:00	**SESSION 1** Mosquito ecology and biology
11:00	Coffe Break
11:30	**SESSION 2** Insights on Aedes albopictus ecology and biology
13:30	Lunch
14:30	**SESSION 3** Turbotalks on Mosquito ecology and biology
16:30	Coffe Break
17:00 19:00	**SESSION 4** Turbotalks on Mosquito ecology and biology

WEDNESDAY 28
28 October 2026

08:30	**Keynote speaker 2**
09:00	**SESSION 5** Sandflies and bitting midges ecology and biology
11:00	Coffe Break
11:30	**SESSION 6** Ticks ecology and biology
13:30	Lunch
15:00 19:00	Field Vector activities in two groups: rural and urban excursion

Program at a glance

THURSDAY 29
29 October 2026

08:30	**Keynote speaker 3**
09:00	**SESSION 7** Vector Control studies, strategies & innovations
11:00	Coffe Break
11:30	**SESSION 8** Vector Surveillance
13:30	Lunch
14:30	**POSTER SESSION** + COFFEE
16:00 18:00	**SESSION 9** Turbotalks on Vector Surveillance & Control
19:30	**GALA DINNER**

FRIDAY 30
30 October 2026

08:30	**ECP Session**
09:30	**SESSION 10** Eco-epidemiology of Vector-borne Diseases
11:30	Coffe Break
12:00	**SESSION 11** Neglected vectors and emerging Vector-borne Diseases
14:00	**STUDENT AWARD & CONFERENCE CLOSURE**
14:30	Lunch

PROGRAM – TUESDAY 27 OCTOBER

07:45 Registration

08:15-08:30 Conference Opening

Dr. Rubén Bueno-Marí, *Europe Regional Director, Society for Vector Ecology (SOVE)*

D. José Vicente Gosálbez Payá, *Councilor for Health and Consumer Affairs, City Council of Valencia*

Plenary Room

08:30-09:00 **Keynote 1**

Plenary Room

We're Watching, But Why? Aligning New Surveillance Tools with Research Objectives

Mary Cameron, *Professor, Head of Department, London School of Hygiene & Tropical Medicine, London, UK*

09:00-11:00 **SESSION 1 - Mosquito ecology and biology**

Plenary Room

Chair: Adolfo Ibáñez Justicia. *Ministry of Agriculture, Fisheries, Food Security and Nature - Netherlands Food and Consumer Product Safety Authority (NVWA) - Netherlands Institute for Vectors, Invasive plants and Plant Health (NIVIP) - Centre for Monitoring of Vectors*

09:00 **S01-01.** Population genomics of Culex pipiens and Culex perexiguus reveals evolutionary and demographic processes relevant to West Nile virus transmission and vector control

María José Ruiz-López, *Estación Biológica de Doñana, Sevilla, Spain*

09:15 **S01-02.** Released from predation? How salinisation can potentially influence mosquito-borne disease Risk

Jordy G. Van Der Beek, *Naturalis Biodiversity Center, Leiden, Netherlands*

09:30 **S01-03.** Multi-generational salinity adaptation in *Aedes aegypti* reveals phenotypic plasticity and a transcriptomic osmotic-threshold response

Arokiyaraj Charles, *Sathyabama Institute of Science and Technology, Chennai, India*

09:45 **S01-04.** Exploring the hidden ecology of urban mosquito breeding sites: anthropogenic pollutants, microbial dynamics, and consequences for mosquito fitness

Axelle Gentil, *Université Lyon 1, CNRS, INRAE, LEM, UMR 5557, UMR 1418 Villeurbanne, France, Villeurbanne, France*

10:00 **S01-05.** Decoding the mosquito's metabolic language: New targets to break the malaria transmission cycle

Lison L. Laroche, *Imperial College London, London, United Kingdom*

10:15

S01-06. Mosquito Microbiota as a Hidden Driver of Bti Bioinsecticide Efficacy

Minard Guillaume, *Université Claude Bernard Lyon 1, Lyon, France*

10:30

S01-07. Hatching success of diapausing vs. non-diapausing Aedes koreicus eggs under fluctuating cold regimes

Giovanni Marini. *Fondazione Edmund Mach, San Michele all'Adige, Italy*

10:45

S01-08. Interactions of insect-specific viruses (*Bunyaviricetes*) with *Aedes aegypti* and Rift Valley Fever Virus

Swati Jagtap, *Bernhard Nocht Institute For Tropical Medicine, Hamburg, Germany*

11:00-11:30

Coffee Break

11:30-13:30

Plenary Room

SESSION 2 - Insights on Aedes albopictus ecology and biology

Chair: Francis Schaffner. *BioSys – El Schaffner Francis. Steinbach, France*

11:30

S02-01. Understanding Aedes albopictus Invasion Pathways: Synergistic Effects of Human Mobility, Climate, and Natural Dispersal

Frederic Bartumeus, *Centre for Advanced Studies of Blanes (CEAB-CSIC); Catalan Institution for Research and Advanced Studies (ICREA), Blanes, Spain*

11:45

S02-02. Air pollution shortens the survival of *Aedes albopictus*: evidence from a field trial in a European metropolitan área

Beniamino Caputo, *Università di Roma Sapienza, Roma, Italy*

12:00

S02-03. *Aedes albopictus* and dengue transmission risk in France over the 21st century

Andrea Radici, *University of Montpellier, Montpellier, France*

12:15

S02-04. Shared thermal plasticity regulates life-history responses to temperature across the European invasive range of *Aedes albopictus*

Margo Blaha, *Centre Agriculture Food Environment, University of Trento, San Michele all'Adige, Italy*

12:30

S02-05. Resting site habits of *Aedes albopictus* in Occitania, southern France: From habitat preferences to rapid density assessment

Sophie Clauzon, *Mivegec, IRD, Montpellier, France*

12:45

S02-06. Microhabitat diversity and interspecific competition shape interactions between *Culex pipiens* and *Aedes albopictus*

Maria Liliana Di Pasquale, *Istituto Zooprofilattico Sperimentale della Sicilia "A. Mirri" (IZS Sicilia) / Università degli Studi di Palermo, Dipartimento di Scienze Agrarie Agroalimentari e Forestali (SAAF)), Palermo, Italy*

13:00

S02-07. Urban vegetation as a driver of *Aedes albopictus* oviposition: Implications for Nature-Based Solutions

Juliana Perez Perez, *University of Eastern Finland, Joensuu, Finland*

13:15

S02-08. Progresses towards the development of a mid-infrared spectroscopy-based method for assessing the age structure of *aedes albopictus* populations

Mattia Foti, *Università di Roma Sapienza, Roma, Italy*

13:30-14:30

Lunch

14:30-16:30

Plenary Room

SESSION 3 - Turbotalks on Mosquito ecology and biology

Chair: Antonios Michaelakis. *Research Director. Head of Laboratory of Insects & Parasites of Medical Importance. Benaki Phytopathological Institute*

14:30

S03-01. Differential effects of green and grey spaces on urban mosquito phenology and life stage distribution in a Northern European Context

Aidan Desjardins, *Institute for Global Food Security, School of Biological Sciences, Queen's University Belfast, Belfast, United Kingdom*

14:40

S03-02. A decade of change – urban mosquito communities of Vienna, Austria

Carina Zittra, *Department of Functional Ecology, University of Vienna, Vienna, Austria*

14:50

S03-03. Mosquito breeding site colonisation and dynamics along land use gradients in Germany

Carmen Villacañas De Castro, *Carl von Ossietzky Universität, Oldenburg, Germany*

15:00

S03-04. Who transmits Sindbis virus to humans? – an intricate example of vector incrimination

Jenny Hesson, *Biologisk Myggkontroll, Uppsala, Sweden*

15:10

S03-05. Environmental drivers of *Culex pipiens* abundance and forms during the low mosquito activity period in the Mediterranean Basin

Laura Blanco Sierra, *IRTA-CReSA, Bellaterra, Barcelona, Spain*

15:20

S03-06. A Tale of Two Mosquitoes: Contrasting the effects of meteorological variables on the population dynamics of *Culex pipiens* and *Aedes aegypti* in Cyprus

Marco Neira, *The Cyprus Institute, Nicosia, Cyprus*

15:30

S03-07. Decomposing seasonal mosquito abundance data into generational cohorts: a Gaussian mixture approach

Júlia Cabrera Cortada, *University of Copenhagen, Copenaguen, Denmark*

15:40

S03-08. Species abundance and seasonal activity of mosquitoes (Diptera: Culicidae) in nine different habitat types in Germany, 2024

Henrike Nehls, *Leibniz Centre for Agricultural Landscape Research (ZALF), 15374 Müncheberg, Germany*

15:50

S03-09. One Health SURVector – Cross-border monitoring of West Nile virus in mosquitoes

Karin Bakran-Lebl, *Austrian Agency for Health and Food Safety, Vienna, Austria*

16:00

S03-10. Genetic background shapes transgenic effector function in *Anopheles gambiae*: implications for gene-drive based malaria control

Aayushi A. Sharma, *Imperial College London, London, United Kingdom*

16:10

S03-11. Unraveling the invasion dynamics, kinship, and *Wolbachia* prevalence of *Aedes albopictus* in the Netherlands

Adolfo Ibáñez-Justicia, *Centre for Monitoring of Vectors, Netherlands Institute for Vectors, Invasive Plants and Plant health (NIVIP), Wageningen, Netherlands*

16:20

S03-12. Harnessing Mosquito Proteins: A New Frontier in Disease Control

Shin-Hong Shiao, *National Taiwan University, Taipei, Taiwan*

16:30-17:00

Coffee Break

17:00-19:00

Plenary Room

SESSION 4 - Turbotalks on Mosquito ecology and biology

Chair: Jolyon Medlock. *Head of Medical Entomology & Zoonoses Ecology, UK Health Security Agency*

17:00

S04-01. Combined effects of temperature and antibiotics on mosquito immunity, size and survival

Paula Parra, *Estación Biológica de Doñana (EBD-CSIC), Sevilla, Spain*

17:10

S04-02. Winter oviposition activity of *Aedes albopictus* in Attica, Greece, 2021 to 2026

Antonios Michaelakis, *Laboratory of Insects and Parasites of Medical Importance, Scientific Directorate of Entomology and Agricultural Zoology, Benaki Phytopathological Institute, 14561 Kifissia, Greece, ATHENS, Greece*

17:20

S04-03. The many voices of mosquito courtship: Interspecific differences in acoustic mating behaviour

Laura Perigot, *Insectest - Quimera Biological Systems SL, Zaragoza, Spain*

17:30 **S04-04.** A standardized approach to assess the impact of urban greening on mosquito and sandfly populations across Europe
Laura van Dijk, *Laboratory of Entomology, Wageningen University, Wageningen, Netherlands*

17:40 **S04-05.** Are mosquito species present in Spain competent for Oropouche virus?
Rafael Gutierrez Lopez, *Laboratory of Arboviruses, National Center for Microbiology, Instituto de Salud Carlos III, Majadahonda, Spain*

17:50 **S04-06.** Expanding the known distribution of phlebotomine sand flies: first records and molecular insights from Cabo Verde
Fátima Amaro, *Centre for Vectors and Infectious Diseases Research (CEVDI), National Institute of Health Doutor Ricardo Jorge (INSA), Águas de Moura, Portugal*

18:00 **S04-07.** Environment and vector community shape West Nile virus prevalence in *Culex perexiguus* vectors
Ana Irina Martín López, *Estación Biológica de Doñana, Seville, Spain*

18:10 **S04-08.** Food for thought: *Anopheles* plant feeding preferences in Kenya and Benin
Emma Collins, *LSHTM, London, United Kingdom*

18:20 **S04-09.** Mosquito Scotland: Assessing the risk of mosquito-borne diseases in Scotland and their response to environmental change
Emilie Pondeville, *MRC-University of Glasgow CVR, Bearsden, United Kingdom*

18:30 **S04-10.** Morphological variability of the invasive mosquito Aedes koreicus in Europe: genetic characterisation of sympatric “mainland” and “Jeju-do” forms
Kornélia Kuruck, *University of Pécs, Pécs, Hungary*

18:40 **S04-11.** Mosquito diversity and arbovirus circulation across ecological gradients in Colombia: an eco-entomological BG-FTA surveillance study
Francesca Romana Di Maio, *Department of Public Health and Infectious Diseases, Sapienza University of Rome, Sapienza Università di Roma, Italy*

18:50 **S04-12.** *Culex* mosquito breeding sites: physicochemical characteristics and first observation of *Culex sitiens* in Nouakchott, Mauritania
Mohamed Aly Ould Lemrabott, *University of Nouakchott, Nouakchott, Mauritania*

PROGRAM – WEDNESDAY 28 OCTOBER

08:30-09:00 | Plenary Room

Keynote 2

West Nile virus epidemiology in Europe and the contribution that virus surveillance in mosquitoes can do for their monitoring and control

Jordi Figuerola. *Professor of Research, Estación Biológica de Doñana (EBD-CSIC), Sevilla, Spain*

09:00-11:00 | Plenary Room

SESSION 5 - Sandflies and bitting midges ecology and biology

Chair: Alex Chaskopoulou. *European Biological Control Laboratory, USDA-ARS, Thessaloniki, Greece*

09:00

S05-01. Designing a climate-sensitive mechanistic phlebotomine sand fly model for high-resolution early warning support in Europe and the Mediterranean region

Kamil Erguler, *The Cyprus Institute, Nicosia, Cyprus*

09:15

S05-02. Unraveling phlebotomine sand fly taxonomy using MALDI-TOF protein profiling

Petr Halada, *Institute of Microbiology of the Czech Academy of Sciences, BioCeV, Vestec, Czech Republic*

09:30

S05-03. Vector ecology of phlebotomine sand flies present in residential settings in Southern Europe

Marcos López-De-Felipe, *Laboratory of Medical Entomology, Instituto de Salud Carlos III - Centro Nacional de Microbiología, Spain*

09:45

S05-04. Progress on Culicoides Distribution Modelling

William Wint, *Environmental Research Group Oxford, c/o Dept of Biology, South Parks Road, Oxford Thomas Balenghien, CIRAD, France Cedric Marsboom, AVIA-Gis, Zoersel, Belgium, CIRAD / Zoersel, France*

10:00

S05-05. Which, when, whom: species composition, seasonality and feeding patterns of sand flies as revealed by the CLIMOS project

Vit Dvorak, *Department of Parasitology, Faculty of Science, Charles University, Prague, Czech Republic*

10:15

S05-06. The efficacy of vector-proof accommodation for the protection of livestock against *Culicoides* biting midges

Melanie Nicholls, *The Pirbright Institute, Pirbright, United Kingdom*

10:30

S05-07. New serological surveillance tools to measure host exposure to *Phlebotomus papatasi* and *Phlebotomus tobbi*

Iva Kolářová, *Department of Parasitology, Faculty of Science, Charles University, Prague, Czech Republic*

10:45

S05-08. Marking of of live sand flies using food dyes: an experimental evaluation of survival and persistence

José Carlos Campillo de Aguilera, *Universidad de Murcia, Facultad de Biología, Departamento de Zoología y Antropología Física, Murcia, Spain*

11:00-11:30

Coffee Break

11:30-13:30

Plenary Room

SESSION 6 - Ticks ecology and biology

Chair: Hugo Osorio Costa. *Instituto Nacional de Saúde Doutor Ricardo Jorge (INSA)/ National Institute of Health Dr. Ricardo Jorge (INSA). Centro de Estudos de Vetores e Doenças Infecciosas (CEVDI)/ Centre for Vectors and Infectious Diseases (CEVDI)*

11:30

S06-01. Using ecological niche modeling to explore evolutionary patterns of ticks

Pablo Fernando Cuervo, *Departamento de Parasitologia, Facultad de Farmacia, Universidad de Valencia / CIBER de Enfermedades Infecciosas, Valencia, Spain*

11:45

S06-02. Importance of wolves in the dispersal of ticks and tick-borne pathogens in Germany

Lidia Chitimia-Dobler, *Fraunhofer Institute for Translational Medicine and Pharmacology ITMP, Immunology, Infection and Pandemic Research IIP, Munich, Munich, Germany*

12:00

S06-03. Effects of Fragmented Forest Landscapes on Host Community Composition and Lyme Disease Hazard

Caroline Millins, *University of Liverpool, Liverpool, United Kingdom*

12:15

S06-04. Effects of thermal stress on oviposition and hatching in *Dermacentor marginatus*

Félix Valcarcel, *INIA CSIC, Madrid, Spain*

12:45

S06-06. Disentangling the effects of local mammal diversity on tick and tick-borne pathogen communities

Víctor Luque Castro, *Grupo de Investigación en Sanidad y Biotecnología (SaBio), Instituto de Investigación en Recursos Cinegéticos (IREC), CSIC-UCLM-JCCM, Ciudad Real, Spain*

13:00

S06-07. Hard Ticks in Lebanon: a molecular snapshot of associated pathogens.

Nabil Haddad, *American University of Beirut, Beirut, Lebanon*

13:15	**S06-08. Ticks in Czech cities: picnics, jogging, Lyme disease** **Martin Kulma,** *National Institute of Public Health, Prague, Czech Republic*
13:30-14:30	**Lunch**
15:00-19:00	Field Vector activities in 2 groups: rural vs urban excursion

PROGRAM – THURSDAY 29 OCTOBER

08:30-09:00 | Plenary Room

Keynote 3

From reactive responses to evidence-based, cost-effective and innovative vector control

David Roiz, *Distinguished researcher, IREC, Ciudad Real, Spain*

09:00-11:00 | Plenary Room

SESSION 7 - Vector Control studies, strategies & innovation

Chair: Rubén Bueno. *Vector Control Lead for Europe, Rentokil. European SOVE Director.*

09:00

S07-01. Challenges and successes of the vector management plan adopted during the 2025 Carpi chikungunya outbreak

Alessandro Albieri, *Centro Agricoltura Ambiente "G. Nicoli", Crevalcore, Italy*

09:15

S07-02. Beyond surveillance dashboards: AI-assisted prescriptive decision support for operational mosquito control in Greece

Sandra Gewehr, *Ecodevelopment SA, FILYRO, Greece.*

09:30

S07-03. Attractive toxic sugar bait and insecticide resistance alter West Nile virus vectorial capacity traits in *Culex quinquefasciatus*

Yesenia Sánchez, *University of Florida Medical Entomology Laboratory, Florida Medical Entomology Laboratory, United States.*

09:45

S07-04. Operational Evaluation of the Sterile Insect Technique (SIT) for Aedes albopictus Control in Small-Scale (12 ha), Non-Isolated Urban Areas in Canton Ticino, Switzerland

Eleonora Flacio, *SUPSI, Mendrisio, Switzerland*

10:00

S07-05. Results of the first large-scale IIT trial in Europe involving *Aedes albopictus* males with manipulated *Wolbachia* infection

Riccardo Moretti, *Italian National Agency for New Technolgies, Energy and Sustainable Economic Development (ENEA), Rome, Italy*

10:15

S07-06. 8 different municipalities, 1 regional unit: A KAP study on mosquitoes as a Public Health concern in the Regional Unit of Islands of Attica, Greece

Christina Maniatakou, *Msc in Public Health, Specialization: Public Health Science and Policy, Department of Public Health Policy, School of Public Health, University of West Attica & Region of Attica, Department of Sanitary Inspections and Environmental Hygiene in the Regional Units of Piraeus & Islands, PIRAEUS, Greece*

10:30

S07-07. Spatially Structured Optimization of Mosquito Control Effort in Urban Storm Drain Networks

Jesús Bellver-Arnau, *Centre d'Estudis Avançats de Blanes (CEAB-CSIC), Blanes, Spain*

10:45

S07-08. Comparing Efficacy Estimates Across Experimental Hut Designs: A Bayesian Analysis of Insecticide-Treated Net Trials in Tanzania

Emma L Fairbanks, *Department of mathematics, University of Manchester, Manchester, United Kingdom*

11:00-11:30

Coffee Break

11:30-13:30

Plenary Room

SESSION 8 - Vector Surveillance

Chair: Riccardo Moretti. *ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development), Rome, Italy*

11:30

S08-01. Smart surveillance: new insights into mosquito activity in urban areas

María González-Pérez, *CEAB-CSIC, Blanes, Spain*

11:45

S08-02. Application of honey-baited FTA traps for arbovirus surveillance across heterogenous climatic setting

Cristiana Poggi, *Sapienza University of Rome, Rome, Italy*

12:00

S08-03. Automating Wing Geometric Morphometrics for robust Species Identification in Diptera via Deep Learning

Renke Lühken, *Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany.*

12:15

S08-04. Enhancing Citizen Science Surveillance of Invasive *Aedes* through Field Work: insights from the Monitoring of Exotic Mosquitoes in Belgium (MEMO+)

Emma Vandenberghe, *Institute of Tropical Medicine, Antwerp, Antwerp, Belgium*

12:30

S08-05. Merging public health networks and public participation: an integrated species distribution model for *Culex pipiens* in Italy

Eleonora Longo, *University Of Trento, Trento, Italy*

12:45

S08-06. Accuracy assessment of the VECTRACK system for automatic real-time mosquito counting and identification and circadian rhythms characterization for Aedes albopictus and Culex pipiens in Italy.

Alessandra Della Torre, *Università di Roma SAPIENZA, Roma, Italy*

13:00

S08-07. Detection of mosquito-borne pathogens in mosquitoes (Diptera: Culicidae) collected in zoo and wildlife parks in northeastern Germany

Nihal Telli, *Friedrich-Loeffler-Institute, Riems-Greifswald, Germany*

13:15

S08-08. Modelling, modelling, modelling? Pursuing better data before better models to tackle the challenge posed by vector-borne Diseases

Daniele Da Re, *UClouvain, Louvain-la-Neuve, Belgium*

13:30-14:30 **Lunch**

14:30 – 16:00 **Poster Session + Coffee**

16:00-18:00 **SESSION 9 - Turbotalks on Vector Surveillance & Control**

Plenary Room

Chair: Eduardo Berriatúa Fernández de Larrea. *Animal Health Department, Veterinay Faculty, University of Murcia, 30100 Espinardo, Murcia, Spain*

16:00 **S09-01. Operational deployment of the Sterile Insect Technique (SIT) against Aedes albopictus in France: insights from contrasted urban contexts**

Clelia Oliva, *Terratis, Montpellier, France.*

16:10 **S09-02. Volatile profiles of sand fly larval substrates: an integrative framework for identifying candidate semiochemicals**

Alexandra Chaskopoulou, *USDA-ARS European Biological Control Laboratory, Thessaloniki, Greece*

16:20 **S09-03. Spatial Dynamics and Integrated Control of *Aedes albopictus*: From Single-Commune Pilot to Multi-Municipal Scaling in France**

Hamza Leulmi, *Vector Control Department, Rentokil France, Marseille, France*

16:30 **S09-04. Mathematical modeling of mosquito population control using the Sterile Insect Technique (SIT)**

Luis Almeida, *LPSM, CNRS, Sorbonne Univ. and Univ. Paris Cité, Paris, France*

16:40 **S09-05. Decoding Regulatory Architecture to Advance Functional Studies and Innovative Vector Control Approaches**

Roberto Galizi, *Keele, Keele - Staffordshire, United Kingdom*

16:50 **S09-06. Evaluation of lethal and sublethal effects of blue light exposure on *Aedes albopictus***

Isabella Mercuri, *Università Campus Bio-Medico di Roma, Rome, Italy*

17:00 **S09-07. Barrier effects of perimeter mosquito trapping in a floodplain environment: evaluation of a BG-Mosquitaire trap wall using BG-Counter monitoring**

Juliane Liesche, *Leibniz-Zentrum für Agrarlandschaftsforschung e.V., Müncheberg, Germany*

17:10 **S09-08.** Identifying mosquito-borne pathogen transmission in the UNESCO World Heritage Site of Doñana National park

Josué Martínez-De La Puente, *Estación Biológica de Doñana (EBD, CSIC) & Ciber de Epidemiología y Salud Pública (CIBERESP), Sevilla, Spain*

17:20 **S09-09.** Pushing the Boundaries of AI: Explainable Models in Multi-Vector Surveillance

Tristan Ford, *Vectech, Baltimore, United States*

17:30 **S09-10.** Hidden diversity in Europe: description of new species and habitat suitability modelling of the genus *Leptoconops* (Diptera: Ceratopogonidae)

Dumitru Ionut Paun-Tanase, *Departamento de Biología de la Conservación y Cambio Global, Estación Biológica de Doñana (EBD, CSIC), Sevilla, Spain*

17:40 **S09-11.** Do pyrethroids increase the behavioural impact of chlorfenapyr nets?

Pie Müller, *Swiss TPH, Allschwil, Switzerland*

17:50 **S09-12.** Thirty years of tick dynamics in the Basque Country: long-term vegetation surveys reveal changes in *Ixodes ricinus* dominance, density, phenology and population structure

Aitor Cevidanes, *NEIKER, Derio, Spain*

19:30 **Gala Dinner**

PROGRAM – FRIDAY 30 OCTOBER

08:30-09:30 — Plenary Room

ECP Session

Panelists:

Cedric Marsboom. *Avia-GIS, Belgium*

Vit Dvorak. *Department of Parasitology, Faculty of Science, Charles University, Prague, Czech Republic*

Alessandra della Torre. *Università SAPIENZA, Rome, Italy*

Frederic Bartumeus. *Centre Estudis Avançats Blanes (CEAB-CSIC), Blanes, Spain*

09:30-11:30 — Plenary Room

SESSION 10 - Eco-epidemiology of Vector-borne Diseases

Chair: Eleonora Flacio. *University of applied sciences of Southern Switzerland – SUPSI. Department of Enviroment Constructions and Design. Institute of microbiology*

09:30

S10-01. Towards an operational model for predicting dengue and chikungunya outbreaks in Europe

Steven White, *UK Centre for Ecology & Hydrology, Wallingford, United Kingdom*

09:45

S10-02. One Health-based screening of *Leishmania* spp. in sand flies and dogs across Europe and neighbouring regions

Gioia Bongiorno, *Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy*

10:00

S10-03. Integrated laboratory approach to assess West Nile virus lineage 1 and 2 transmission potential in UK *Culex pipiens*

Estela Gonzalez, *Animal and Plant Health Agency, Addlestone, United Kingdom*

10:15

S10-04. Escalating human exposure to mosquito-borne viruses in Europe

Kyla Serres, *Spatial Epidemiology Lab, ULB, Brussels, Belgium*

10:30

S10-05. Permethrin Resistance Enhances Disseminated Dengue Virus Infection in *Aedes aegypti*

Barry Alto, *Florida Medical Entomology Laboratory, University of Florida, Vero Beach, United States*

10:45

S10-06. Environmental detection of arboviruses in water and mosquito excreta: a decision-support tool for vector control and an early-warning system for arboviral surveillance.

Antoine Mignotte, *Altopictus, Pérols, France*

11:00

S10-07. Modelling dengue dynamics across endemic and emerging-risk regions

Maíra Aguiar, Basque Center for Applied Mathematics, Bilbao, Spain

11:15

S10-08. Applied modelling for emerging mosquito-borne disease risk in the United Kingdom: case studies in West Nile Virus, Usutu and malaria

Robert Paton, *UK Health Security Agency, London, United Kingdom.*

11:30-12:00 **Coffee Break**

12:00-14:0 **SESSION 11 - Neglected vectors and emerging Vector-borne Diseases**

Plenary Room

Chair: Josué Martínez de la Puente. *Estación Biológica de Doñana, CSIC.*

12:00

S11-01. Global pathogen burden in invasive rats around the world, and the ecological and social factors linked with infection risk

Jonathan Richardson, *University of Richmond, Richmond, Virginia, United States*

12:15

S11-02. Vector-borne infectious diseases and extreme climatic events within the WHO One Health agenda: prevention and control framework in the Valencia 2024 flash flood zone

Santiago Mas-Coma, *Departamento de Parasitologia, Facultad de Farmacia, Universidad de Valencia y CIBER de Enfermedades Infecciosas, Burjassot, Valencia, Spain.*

12:30

S11-03. Flea hemocytes at the interface of physiology and pathogen transmission

Agustin Rolandelli, *INSERM, Lille (Institut Pasteur Lille - CIIL), France.*

12:45

S11-04. Investigating the Microbiome: Climate, Fire, and Reconstruction Impact *Francisella tularensis* Presence

Skylar Ciccolini, *University of Missouri, Columbia, United States*

13:00

S11-05. Bulinus Vectors in the Circum-Mediterranean Region: Risks of Schistosomiasis Introduction from Africa into Southern Europe

Maria Dolores Bargues, *Departamento de Parasitología, Facultad de Farmacia, Universidad de Valencia y CIBER de Enfermedades Infecciosas, Av. Vicent Andres Estellés 22, Burjassot, 46100, Valencia, Spain*

13:15

S11-06. Sand flies, dogs, and low human disease: revisiting Mediterranean Leishmania infantum transmisión

Zarima Jumakanova, *University of Murcia, Veterinary Faculty, Animal Health Department, Murcia, Spain*

13:30

S11-07. Ecology of fleas in wild rodents: The Key Role of Host taxonomy

Maria Cecilia Fantozzi, *Departamento de Parasitología, Facultad de Farmacia, Universidad de Valencia / CIBER de Enfermedades Infecciosas, Burjassot. Valencia, Spain*

13:45

S11-08. Integrated One Health Surveillance of Toscana Virus in Sand Flies, Dogs, and Humans Across Europe and Neighboring Regions

Nazli Ayhan, *Unité des Virus Emergents (UVE : Aix-Marseille Univ, Universita di Corsica, IRD 190, Inserm 1207, IRBA), Marseille, France*

14:00-14:30
Plenary Room

Student Award & Conference Closure

14:30

Lunch

24th Conference

27-30 October 2026, Valencia (Spain)

The Society for Vector Ecology is a professional organization committed to solving many complex problems encountered in the field of vector biology/control

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From ecology to outbreaks:
Integrating knowledge for effective vector management in Europe