

# Third Annual Conference of *Aedes* Invasive Mosquitoes COST Action CA17108

2-3 September 2021

Workshops 31<sup>st</sup> August & 1<sup>st</sup> September

Halic Conference Center, Istanbul & Online  
AGENDA

August 31 <sup>st</sup>	September 1 <sup>st</sup>	September 2 <sup>nd</sup>	September 3 <sup>rd</sup>
Tuesday	Wednesday	Thursday	Friday
Workshops 1 & 2	Workshops 1 & 2	Annual Conference	Annual Conference
Coffee break	Coffee break	Coffee break	Coffee break
Workshops 1 & 2	Workshops 1 & 2	Annual Conference	Annual Conference
Lunch	Lunch	Lunch	Lunch
Workshops 1 & 2	WG3 meeting with WG 1 & 2	Annual Conference	Annual Conference
Coffee break	Coffee break	Coffee break	Coffee break
Workshops 1 & 2	Extended core group meeting	Annual Conference	Annual Conference

Gala dinner

**ATTENTION:** The time zone for Turkey is CET+1, UTC+3

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DAY 1- 31st August/1st September before lunch / Room: Kasimpasa		
Shedule	Speaker	Title
09.30 - 10.00		Registration
10.00 - 10.30	Onder Eryigit	Istanbul invasive mosquito control experience
10.30 - 11.00	Francis Schaffner	Surveillance and control of <i>Aedes</i> invasive mosquitoes (AIM): motivations and challenges
11.00 - 11.15	Francis Schaffner	Methods for surveillance and control of AIM
11.15 - 11.30	Q&A	
11.30 - 12.00	Break	
12.00 - 12.15	Gregory L'ambert	Surveillance and control strategy against <i>Aedes albopictus</i> related arboviruses in France
12.15 - 12.30	Arjan Stroo	Surveillance and control of Mosquitoes at points of entry, examples from the Netherlands
12.30 - 12.45	Q&A	
13.00 - 14.30	Lunch	
14.30 - 14.45	Kemal Durkaya	Büyük veri stratejisi ile vektör risk yönetimi (Vector risk management with big data strategy)
14.45 - 15.00	Neil Alexander	From data collection to mapping: demonstrating the value of data harmonisation.
15.00 - 15.15	Q&A	
15.15 - 15.30	Break	
15.30 - 15.45	Wiliam Wint	An overview of spatial modelling for Invasive mosquitoes - why and how
15.45 - 16.00	Kamil Ergüler	Predicting climate-driven vector dynamics in the field - modelling and applications
16.00 - 16.15	Q&A	
16.15 - 16.30	Closing	

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DAY 1- 31st August/1st September before lunch / Room: Cibali		
Working Group: Socio-economic perspectives of mosquito control activities in Europe		
Schedule	Speaker	Title
09.30 - 10.00		Registration
10.00 – 10.45	Antonios Kolimenakis	Preliminary results for the socio-economic perspectives of mosquito control activities in Europe
10.45 - 12.00	All Participants	Discussion; <i>Opportunities Gaps and Challenges</i>
12.00 - 13.00	<i>Lunch</i>	
13.00 - 14.30	All Participants	Suggested discussion topics by WG
14.30 - 15.30	<i>Break</i>	
15.30 - 17.00	All Participants	Suggested discussion topics by WG
Schedule	Speaker	Title
10.00 – 10.45	All Participants	Conclusions and Next Steps
10.45 – 11.00	<i>Break</i>	
11.00 – 12.00	All Participants	Conclusions and Next Steps

**1st September 2021 Afternoon / Room: Kasımpaşa**

Work Group 1, 2 & 3 Meeting with only Invited Attendees

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DAY 1 - SEPTEMBER 2nd, 2021 / Room: Kasimpasa		
8.30	9.00	Registration
9.00	9.05	Welcome - <b>Alessandra della Torre, Bulent Alten</b>
9.05	9.20	Welcome – <b>CAN AKIN CAGLAR</b> , General Secretary of the Istanbul Metropolitan Municipality
9.20	9.25	Welcome - <b>EKREM İMAMOĞLU</b> , Mayor of the Istanbul Metropolitan Municipality
9.25	9.40	<b>Onder ERYIGIT, MD. Lect.</b> , President of Istanbul Metropolitan Municipality Department of Health - "Istanbul invasive mosquito control experience"
<b>Session 1 - AIM-Surv Chairs: M MIRANDA, M KAVRAN</b>		
9.45	10.00	<b>M MIRANDA</b> "AIMSurv2020 and 2021: field activities and results"
10.00	10.15	<b>R ERITJA</b> "AIMSurv2020 and 2021: Citizenship contribution via Mosquito Alert"
10.15	10.30	<b>M MANICA</b> "AIMSurv2020: harmonising and reporting data"
10.30	11.00	<b>Discussion (Facilitator: M KAVRAN)</b>
<i>Break</i>		
<b>Session 2 - Surveillance for control (Chairs: F GUNAY, G L'AMBERT)</b>		
11.25	11.30	CHAIRS: "Missing link between the detection of the mosquito and acting on control/questionnaire results."
11.30	11.45	<b>C STROO</b> , S Teekema and A Ibañez Justicia - " <i>Aedes</i> stowaways: a challenge for surveillance and control at points of entry"
11.45	12.00	<b>G L'AMBERT</b> , L Chanaud, C Jeannin, Y Perrin, R Cluset - "Surveillance of the spread of <i>Aedes albopictus</i> and introductions of arboviruses in France"
12.00	12.15	<b>P ANGELINI</b> - "Mosquito surveillance for West Nile Disease prevention: the experience of Emilia-Romagna region (Italy)"
12.15	12.30	<b>B CAPUTO</b> - "Quantitative monitoring of mosquito density and estimation of mosquito-borne pathogen transmission risk: the case of <i>Aedes albopictus</i> "
12.30	13.00	<b>Round table (Facilitators: Chairs, W WINT): How to enhance the use of surveillance for control</b>
<i>Lunch</i>		

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DAY 1 - SEPTEMBER 2nd, 2021 / Room: Kasimpasa		
14.00		ECI's presentations on "Surveillance for precision control and for control assessment" Chairs: F SHAFFNER + L VAVASSORI
14.00	14.15	Invited talks: <b>L Vavassori</b> , AC Honnen, N Saarman, A Caccone, P Müller "Multiple introductions and overwintering shape the progressive invasion of <i>Aedes albopictus</i> beyond the Alps"
14.30	14.45	Invited talks: <b>D Da Re</b> , M Marcantonio, SO Vanwambeke "dynamAedes: a unified modelling framework for invasive <i>Aedes</i> mosquitoes"
14.45	15.00	Invited talks: <b>C Barcelò</b> , R Gutiérrez-Lopez, S Jansen, K Kliemke, J Schmidt-Chanasit, MA Miranda, R Luhken "Pathogen detection and host-feeding preferences of mosquitoes surveilled in urban, peri-urban and rural environments of Mallorca, Spain"
15.00	15.15	Invited talks: <b>A Ibanez-Justicia</b> , S Teekema A Stroo "Precision real-time monitoring of control activities against <i>Aedes albopictus</i> in urban areas using GIS apps"
15.15	15.30	Invited talks: <b>V Pichler</b> , V Valadas, C Horvath, M Micocci, AIM-COST network members, ARBOMONITOR Project contributors, F Schaffner, B Caputo, J Pinto, A della Torre "Novel PCR-based genotyping approach allows to map the spread of pyrethroid resistance in <i>Aedes albopictus</i> across Europe"
15.30	15.45	Invited talks: D Ravasi, D Parrondo Monton, M Tanadini, <b>E Flacio</b> "Evaluating the integrated management of <i>Aedes albopictus</i> in southern Switzerland"
15.45	15.50	Turbo talks: <b>C Horváth</b> , E FĂLCUȚĂ, LF PRIOTEASA , CD CAZAN, F SCHAFFNER , AD MIHALCA "The emergence of the Asian bush mosquito, <i>Aedes japonicus japonicus</i> , and an update on the established populations of <i>Aedes albopictus</i> in Romania"
15.50	16.00	Turbo talks: <b>K Kalan</b> , J ŠUŠNJAR, V IVOVIĆ "Aedes invasive mosquitoes' surveillance on selected locations in Slovenia"
16.00	16.05	Turbo talks: <b>V Čabanová</b> , K Boršová, M Svitok, J Oboňa, I Svitková, E Barbušinová, T Derka, M Sláviková, B Klempa "The first record of the alien mosquito <i>Aedes japonicus japonicus</i> in Slovakia"
16.05	16.15	Turbo talk discussion
		Break

DAY 1 - SEPTEMBER 2nd, 2021 / Room: Kasimpasa		
16.45		ECI's presentations on "Novel tool for surveillance and control" Chairs: A MICHAELAKIS + E D VELO
16.45	17.00	Invited talks: <b>G Balatos</b> "The integrated management of the Asian tiger mosquito through citizen training "Door to Door" and the Sterile Insect Technique
17.15	17.30	Invited talks: <b>G Fabbri</b> , R Moretti, E Lampazzi, P Serin, M Bonanni, C Virgillito, M Manica, G Lombardi, C Damiani, A della Torre, M Calvitti, B Caputo "Wolbachia-based suppression of <i>Aedes albopictus</i> : results of a biennial field experiment in Rome.
17.30	17.45	Invited talks: <b>A Belavilas-Trovas</b> , M-E Gregoriou, O Soukia, K Mathiopoulos "Non-coding RNAs as a novel tool for species-specific management of <i>Aedes albopictus</i> "
17.45	18.00	Invited talks: <b>C Lutrat</b> , M Burckbuchler, R Proveti Olmo, T Baldet, J Bouyer, E Marois "High-throughput sorting of transgenic or non-transgenic male larvae for genetic control of <i>Aedes</i> mosquitoes"
18.00	18.15	Invited talks: <b>A Vanslebrouck</b> , F REUB, R MÜLLER "Diving beetles (Dytiscidae) as biological control agent for mosquito larvae"
18.15	18.30	Invited talks: <b>H Lepek</b> "Automated AI-based mosquito surveillance and pooling"
18.30	18.35	Turbo talks: <b>E Velo</b> , P Kadriaj, M Carrieri, M Genicco, A Ahmeti, S Bino, R Bellini, A Fico "Impact of <i>Bacillus thuringiensis israelensis</i> LV ground applications on urban mosquito population in Tirana, Albania"
18.35	18.40	Turbo talks: P Visentin <b>A Michelutti</b> , F Gradoni, A Drago, M Pombi, F Montarsi "Comparative evaluation of the sticky-trap and the sticky-resting-box-trap for sampling <i>Aedes</i> invasive mosquitoes"
18.40	18.45	Turbo talks: <b>MI Gonzalez-Perez</b> , B Faulhaber, M Williams, P Villalonga, N Pujol, M Verdún, J Brosa, C Aranda, N Busquets, J Encarnação, S Talavera "Use of a novel optoelectronic sensor prototype to analyse the effect of size, age and temperature in <i>Aedes</i> and <i>Culex</i> genus"
18.45	18.50	Turbo Talk: <b>S Cebrián-Camisón</b> , J Martínez-de la Puente, J Figuerola "Host feeding patterns of invasive <i>Aedes</i> mosquitoes in Europe"
18.50	19.00	Turbo Talks discussion

DAY 2 - SEPTEMBER 3rd, 2021 / Room: Kasimpasa		
		<b>Session 3 - Complementary/unconventional AIM control approaches</b> <b>Chairs: A DELLA TORRE, A MICHAELAKIS</b>
9.00	9.15	<b>F SCHAFFNER, R BUENO MARI</b> , "Integrated management of <i>Aedes</i> invasive mosquitoes: combining efficacy and sustainability"
9.15	9.45	<b>R BELLINI</b> "Application of SIT on <i>Aedes albopictus</i> : a story lasting 20 years"
9.45	10.00	<b>N BECKER, A TOKATLIAN</b> "Implementation of new Techniques in the integrated Management programme against <i>Aedes albopictus</i> including the SIT-technique in South-West Germany"
10.00	10.15	<b>ARTUR JÖST</b> – "Control of the Asian tiger mosquito in Southwest Germany - An insight into the new concept of KABS e.V."
		<b>Break</b>
10.45	11.00	<b>M CALVITI</b> "Exploiting <i>Wolbachia</i> to enhance genetic control strategies against <i>Aedes albopictus</i> "
11.00	11.15	<b>C DAMIANI</b> - "Wolbachia sterilizing possible market application"
11.15	11.30	<b>S DOBSON</b> - "Implementing pesticidal use of Wolbachia: An overview of recent USA events"
11.30	11.45	<b>I UNLU</b> - "Targeting a hidden enemy: Pyriproxyfen Autodissemination strategy for the control of the container mosquito <i>Aedes albopictus</i> in cryptic habitats"
11.45	13.00	Round table: pros, cons, synergies of different unconventional control approaches
		<b>Lunch</b>
		<b>Session 4 - Management and regulation in AIM control</b> <b>Chairs: N PAPADOPOULOS, C SOUSA</b>
14.30	14.50	<b>L HRIBAR</b> - "Quality control in an <i>Aedes aegypti</i> control program in Monroe County, Florida, USA"
14.50	15.10	<b>N PAPADOPOULOS</b> - "Quality management in mosquito control programmes in Europe"
15.10	15.30	<b>D NIKOLOPOULOU</b> - "Safe use of biocides for human health in the context of Biocidal Products Regulation: approaches and challenges"
15.30	15.50	<b>A KOLIMENAKIS</b> - "Preliminary results for the socio-economic perspectives of mosquito control activities in Europe"
15.50	16.20	Discussion
16.20	17.20	<b>Break</b>
17.20	18.00	<b>A DELLA TORRE: AIM-COST Future Plans and closing</b>

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