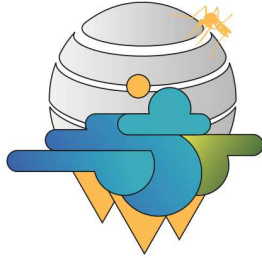


VIIIth EMCA CONFERENCE
Mosquito Control in a Changing Environment
MONTENEGRO, 12-16 MARCH 2017

Program

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| | - Sunday 12th March - |
| 17:00-19:00 | Participants' registration |
| 18:00-20:00 | EMCA Board meeting |
| 20:00 | WELCOME COCKTAIL |
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| | - Monday 13th March - |
| 08:00 - 08:45 | Participants registration |
| 08:45 - 09:45 | Opening of the Conference <i>Welcome Address</i> <i>Representatives of the Ministry of Science</i> <i>Representatives of the Biotechnical Faculty, University of Montenegro</i> Major Dhillon (SOVE) Spiros Mourelatos (EMCA) |
| | SESSION 1 (09:45 - 11:15) Mosquitoes in a changing environment Chaired by Peter Luethy & Hervé Zeller |
| 09:45 - 10:15 | Keynote Lecture Florence Fouque WHO draft global vector control response |
| 10:15 - 10:45 | Keynote Lecture Hervé Zeller Mosquito-borne diseases in Europe: From surveillance to control |
| 10:45 - 11:15 | Keynote Lecture John Vontas Translation research supports the control of mosquitoes in a changing environment |
| 11:15 - 11:45 | Coffee Break |
| | SESSION 2 (11:45 - 13:15) Mosquito borne diseases in the Balkans Chaired by Dušan Petrić & Bulent Alten |
| 11:45 - 12:00 | Paper 2.1: Mosquito borne flaviviruses in the Balkans T. Petrović, D. Petrić, I. Hrnjaković-Cvetković, G. Lazić, D. Lupulović, A. Ignjatović Čupina, S. Lazić and V. Milošević |
| 12:00 - 12:15 | Paper 2.2: Mosquito-borne and insect-specific viruses in Anatolia and Thrace: a review of the decade and recent findings K. Ergünay |

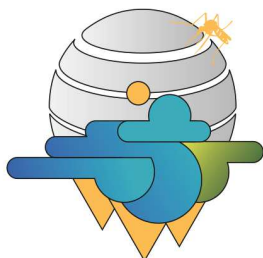


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| 12:15 - 12:30 | Paper 2.3: Croatia's Preparedness for Mosquito-borne Diseases M. Sikora , J. Milas, P. Jeličić, D. Brdarić and N. J. Holcer |
| 12:30 - 12:45 | Paper 2.4: Malaria Control in South Peloponnese, Greece (2011-2016) V. Diamantopoulos , S. Mpellou and S. Mourelatos |
| 12:45 - 13:00 | Paper 2.5: Anopheline species distribution in Greece S. Gewehr , S. Kalaitzopoulou, G. Vlachos, M. Iatrou and S. Mourelatos |
| 13:00 - 13:15 | Paper 2.6: Vector surveillance following the recording of local malaria transmission in Greece E. Patsoula , S. Beleri, E. Vassalou, N. Tegos, M. Liodaki, V. Papavasiliopoulos, A. Mpimpa, I. Rodis, G. Balatsos, D. Pervanidou, A. Vakali, A. Baka, M. Tseroni, T. Georgakopoulou, G. Koliopoulos, S. Mourelatos, P. Tserkezou and C. Hadjichristodoulou |
| 13:15 - 14:30 | Lunch |
| | SESSION 3 (14:30 - 16:45) Mosquito vectors and mosquito-borne diseases: surveillance and control Chaired by Francis Schaffner & Sandra Gewehr |
| 14:30 - 15:00 | Keynote Lecture Marieta Braks Entomological aspects of the risk assessment of vector-borne diseases for livestock and pets for Europe |
| 15:00 - 15:15 | Paper 3.1: European-wide surveillance of mosquito vector species: outcomes of the second round of field studies, 2016 F. Schaffner , H. Kampen, D. Petrić, V. Robert, V. Versteirt and VectorNet expert contributors |
| 15:15 - 15:30 | Paper 3.2: Vector surveillance and West Nile transmission risk in Austria F. Allerberger , B. Seidel, P. Hufnagl, H. Huemer, S. Aberle, J. Kolodziejek and N. Nowotny |
| 15:30 - 15:45 | Paper 3.3: Tracing back the arrival of an invasive alien mosquito: the case of <i>Aedes koreicus</i> in the Liguria region, northwestern Italy M. Ballardini , A. Pautasso, G. Chiaranz, S. Ferretti, M.V. Riina, G. Triglia, M.C. Radaelli, F. Verna, A. Accorsi, U. Cardellino, I. Cremonesi, M. Serra, M. De Camilli, C. Grattarola, P.L. Acutis, C. Casalone and W. Mignone |
| 15:45 - 16:00 | Paper 3.4: Mosquito-based West Nile surveillance in 2016 in Emilia-Romagna Region (Northern Italy) M. Calzolari , R. Bellini, F. Defilippo, P. Bonilauri, A. Albieri, M. Tamba, M. Dottori and P. Angelini |
| 16:00 - 16:15 | Paper 3.5: Development of guidelines for the surveillance and control of invasive <i>Aedes</i> mosquitoes in Switzerland P. Müller, L. Engeler , T. Suter, E. Flacio and M. Tonolla |
| 16:15 - 16:30 | Paper 3.6: A new review of <i>Aedes albopictus</i> distribution in Croatia E. Merdić , N. Janev Holcer, I. Vručina, P. Jeličić, N. Turić, K. Capak, M. Sudarić Bogojević, A. Klobučar, N. Landeka, T. Žitko, M. Klemenčić, M. Sikora, I. Trumbić and G. Vignjević |
| 16:30 - 16:45 | Paper 3.7: Preliminary risk assessment for Chikungunya, dengue and zika outbreak in Montenegro I. Pajovic , D. Petric, M. Carrieri and R. Bellini |

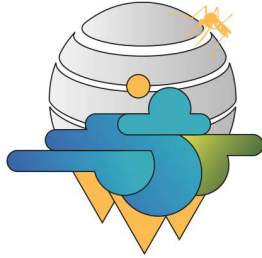


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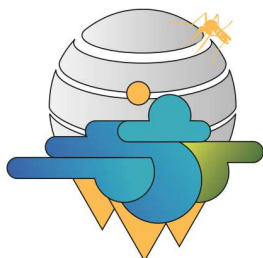
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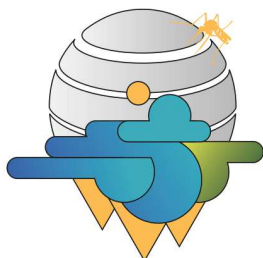
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| 16:45 - 17:15 | Coffee Break |
| | SESSION 4 (17:15 - 18:30) Mosquito control application technologies Chaired by Alexandra Chaskopoulou & Marieta Braks |
| 17:15 - 17:30 | Paper 4.1: Improving aerial applications through new technologies to target the urban vectors of dengue, chikungunya and zika viruses M. Latham and M. Braks |
| 17:30 - 17:45 | Paper 4.2: Characterization of Targeted Swarm Spraying with refillable aerosol cans and Broadcast Space-Spray Applications via a Backpack Sprayer J.A.S. Bonds |
| 17:45 - 18:00 | Paper 4.3: Biodiversity of aquatic insects in a rice-field ecosystem and the impact of vector control applications A. Chaskopoulou , J. Castells Sierra, I.A. Giantsis and J. Kashefi |
| 18:00 - 18:15 | Paper 4.4: Attractive targeted sugar baits: from basic science to product A. Galili |
| 18:15 - 18:30 | Paper 4.5: Developing a tool to evaluating the efficiency and cost effectiveness of vector control methods D. J. Bicout, G. L'Ambert, R. Bellini, A. Chaskopoulou, T. A. Groen, D. Petric , M. Zgomba and L. Marrama |
| 18:30 - 19:45 | Poster Session |
| 19:45 - | E-SOVE Board meeting |
| | - Tuesday 14th March - |
| | SESSION 5 (09:00 - 11:00) New mosquito control strategies and tools Chaired by Jan Lundström & Romeo Bellini |
| 09:00 - 09:30 | Keynote Lecture Pattamaporn Kittayapong Suppression of mosquito vectors of dengue, chikungunya and Zika diseases using Super-Sterile Males |
| 09:30 - 09:45 | Paper 5.1: Current status of SIT and IIT development and implementation on French oversea territories L. C. Gouagna , H. Bossin, J. Bouyer and F. Simard |
| 09:45 - 10:00 | Paper 5.2: Could SIT be part of a new Integrated Control Strategy against <i>Aedes sticticus</i> in the River Dalälven floodplains, central Sweden? J.O. Lundström , E. Blomgren, M.L. Schäfer and P. Kittayapong |
| 10:00 - 10:15 | Paper 5.3: Wolbachia-based suppression of <i>Aedes albopictus</i> : facts and perspectives R. Moretti , E. Lampazzi and M. Calvitti |
| 10:15 - 10:30 | Paper 5.4: Evaluation of the efficacy of Aquatain against <i>Culex pipiens</i> and <i>Aedes albopictus</i> larvae in catch basins using a floating monitor system A. Drago , S. Martini and S. Vettore |
| 10:30 - 10:45 | Paper 5.5: First SIT application against <i>Aedes albopictus</i> in Germany – preliminary results and possible perspectives N. Becker , B. Pluskota, A. Jöst, A. Puggioli and R. Bellini |



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| 10:45 - 11:00 | Paper 5.6: Pathogenicity of blastospores of entomopathogenic fungus <i>Metarhizium brunneum</i> against larvae of Zika vector mosquitoes A. Alkhaibari , A. Carolino, S. Yavasoglu, T. Maffei, T. Mattoso, J. Bull, R. Samuels and T. Butt |
| 11:00 - 11:30 | Coffee Break |
| | SESSION 6 (11:30 - 13:00) Mosquito control in the urban environment Chaired by Igor Pajovic & Andrea Drago |
| 11:30 - 11:45 | Paper 6.1: Urban mosquito control in Switzerland E. Flacio , L. Engeler and M. Tonolla |
| 11:45 - 12:00 | Paper 6.2: Analysis of the effectiveness of Asian bush mosquito (<i>Aedes japonicus</i>) control actions in colonised peri-urban areas in the Netherlands A. Ibañez-Justicia , W. Den Hartog, F. Jacobs, M. Dik, I. Lustenhouwer and A. Stroo |
| 12:00 - 12:15 | Paper 6.3: Urban mosquito control in Greece S. Kalaitzopoulou , N. Kelemenis, S. Gewehr, G. Vlachos, K. Iordanidis, N. Garlis and S. Mourelatos |
| 12:15 - 12:30 | Paper 6.4: Mosquito Surveillance & Control Programme in Barcelona (Spain) T. Montalvo, L. Fernández, S. Franco, V. Peracho and R. Bueno |
| 12:30 - 12:45 | Paper 6.5: Species composition and seasonal dynamics of the mosquito fauna in two zoological gardens in Germany E.C. Heym , H. Kampen and D. Walther |
| 12:45 - 13:00 | Paper 6.6: Surveillance of <i>Aedes albopictus</i> and associated arboviruses in mainland France, 2016 G. L'Ambert , G. Besnard, S. Chouin, F. Pfirsch, P. Bindler, H. Barré-Cardi and C. Lagneau |
| 13:00 - 14:00 | Lunch |
| 14:00 - | EXCURSION TO KOTOR |
| | - Wednesday 15th March - |
| | SESSION 7 (09:00 - 10:30) Floodwater mosquitoes - control strategies in protected areas Chaired by Norbert Becker & Hans Jerrentrup |
| 09:00 - 09:15 | Paper 7.1: The safety of <i>Bacillus thuringiensis</i> , a comprehensive view P. Luethy |
| 09:15 - 09:30 | Paper 7.2: Biological mosquito control and environmental monitoring in the March - Thaya Floodplains, Austria H. Jerrentrup |
| 09:30 - 09:45 | Paper 7.3: Aiming at a consistent long-term decline of a floodwater mosquito population – theoretical and practical reflections M. Schäfer and J. O. Lundström |
| 09:45 - 10:00 | Paper 7.4: Control of floodwater mosquitoes and conservation of the biodiversity in the floodplains in Germany N Becker , Ch. Weisser, A. Arnold, K. Hoffmann, Th. Weitzel, M. Beck and D. Reichle |



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| 10:00 - 10:15 | Paper 7.5: Persistence of <i>Bacillus thuringiensis subsp. israelensis</i> toxins and spores in the environment L. Després |
| 10:15 - 10:30 | Paper 7.6: Current achievements in the LIFE project "Development & demonstration of management plans against - the climate change enhanced- invasive mosquitoes in Southern Europe" A. Michaelakis, R. Bellini and G. Balatsos |
| 10:30 - 11:00 | Coffee Break |
| | SESSION 8 (11:00 - 13:00) Insecticides and protection of public health Chaired by Christophe Lagneau & Spiros Mourelatos |
| 11:00 - 11:30 | Keynote Lecture David Malone IVCC portfolio of new insecticide products applicable to vector control |
| 11:30 - 11:45 | Paper 8.1: The contribution of Bayer environmental sciences in mosquito control D. Lucien |
| 11:45 - 12:00 | Paper 8.2: Bábolna Bio's strategy for effective control of mosquito larvae with S-methoprene (IGR) active substance and ready-to-use- formulations D. Bajomi and L. Takács |
| 12:00 - 12:15 | Paper 8.3: Monitoring of insecticide resistance: a major issue for the sustainability of vector control programs F. Chandre , T. Baldet, V. Corbel, J.P. David F. Jourdain, C. Lagneau and Y. Perrin |
| 12:15 - 12:30 | Paper 8.4: The evolution of resistance to <i>Bacillus thuringiensis israelensis</i> toxins in mosquitoes L. Després |
| 12:30 - 12:45 | Paper 8.5: Field evaluation of insect growth regulator pyriproxyfen against <i>Culex pipiens</i> larvae in Belgrade area B. Pešić , M. Đorđević, D. Despot, M. Perić |
| 12:45 - 13:15 | Panel discussion |
| 13:15 - 14:30 | Lunch |
| | SESSION 9 (14:30 - 16:00) Surveillance and monitoring: sampling techniques and tools Chaired by Andreas Rose & Wesley Tack |
| 14:30 - 14:45 | Paper 9.1: There is more than one tool in the shed: comparing traps, attractants and other potential mosquito sampling methods using the Latin square design A. Rose |
| 14:45 - 15:00 | Paper 9.2: Comparative testing of two sticky traps to monitor resting <i>Aedes koreicus</i> (Diptera: <i>Culicidae</i>) in Italy F. Montarsi , P. Visentin, A. Drago, S. Ravagnan, A. Della Torre, G. Capelli and M. Pombi |
| 15:00 - 15:15 | Paper 9.7: Surveillance of <i>Aedes japonicus</i> in urban areas of the canton of Zurich in 2016 S. Flämig, B. Gerber, D. Fischer, B. Wiesendanger |

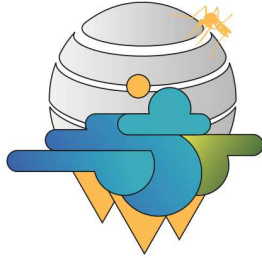


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| 15:15 - 15:30 | Paper 9.4: Making automatic mosquito monitoring smarter: counting and identifying mosquito species using the BG-Counter - state of the art and current challenges A. Rose , M. Weber, I. Potamitis, P. Villalonga, M. Geismar, J. Encarnação and M. Geier |
| 15:30 - 15:45 | Paper 9.5: The successful elimination of a locally established population of <i>Aedes japonicus</i> in Belgium V. Versteirt, W. Tack , F. Schaffner and G. Hendrickx |
| 15:45 - 16:00 | Paper 9.6: Current applicable findings toward designation of transmission blocking vaccines (TBVs) against mosquito borne viruses H. Bakhshi |
| 16:00 - 16:30 | Coffee Break |
| 16:30 - 18:00 | EMCA ANNUAL GENERAL MEETING |
| 18:00 - 19:15 | Poster Session |
| 20:00 - | GALA DINNER |
| | - Thursday 16th March - |
| | SESSION 10 (09:00 - 10:15) Blackflies and other insects' control Chaired by Aleksandra Ignjatović Čupina & Jerome Hogsette |
| 09:00 - 09:30 | Keynote Lecture Robert Cheke Blackfly monitoring and control: past, present and future |
| 09:30 - 09:45 | Paper 10.1: Cutaneous leishmaniasis management: lessons learned in Ilam, Iran A.A. Aivazi and A. Jalilian |
| 09:45 - 10:00 | Paper 10.2: Update on attraction of stable flies and mosquitoes to toxic baits designed for house fly management J. A. Hogsette and D. L. Kline |
| 10:00 - 10:15 | Paper 10.3: Ecological factors influencing black fly species distribution and Bti control in a network of peripheral streams in the Guadalquivir River valley (southern Spain) R. Obregón , D. Jordano, R. Villar, T. Kúdelová, M. Kúdela, L. Jedlička and E. Flores |
| | SESSION 11 (10:15 - 12:00) Personal protection against mosquitoes Chaired by František Rettich & Ulrich Bernier |
| 10:15 - 10:30 | Opening Session Ulrich Bernier |
| 10:30 - 10:45 | Paper 11.1: Etofenprox-Treated US Military Combat Uniforms U. R. Bernier , M. K. Perry and A. L. Johnson |
| 10:45 - 11:00 | Paper 11.2: Laboratory efficacy testing of different repellents on laboratory reared mosquitoes <i>Culex pipiens</i> I.Đurić Maslovara , B. Pešić, D. Despot, M. Mačužić and M. Đorđević |
| 11:00 - 11:30 | Coffee Break |
| 11:30 - 11:45 | Paper 11.3: Traditional Czech Homemade Repellents: Fact or Fake? M. Kulma , T. Bubova and Z. Galkova |
| 11:45 - 12:00 | Paper 11.4: Testing of insecticides and repellent for BPR |



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| | <p>registration, the need of reasonable Guidelines A. Drago and S. Martini</p> |
| | <p>SESSION 12 (12:00 - 13:15) Citizen science as a contribution to mosquito surveillance Chaired by Ruben Bueno & Francoise Pfirsch</p> |
| 12:00 – 12:15 | <p>Paper 12.1: Update on invasive mosquitoes in Germany, 2014 to 2016, as brought to attention by the citizen science project 'Mueckenatlas' H. Kampen and D. Walther</p> |
| 12:15 - 12:30 | <p>Paper 12.2: Mosquito Alert: Closing the loop between citizen scientists and mosquito control M. Torres, R. Eritja, A. Oltra, JRB Palmer, J. Piera and F. Bartumeus</p> |
| 12:30 - 12:45 | <p>Paper 12.3: Urban mosquito control and community participation in Germany T. Weitzel, A. Jöst, M. Beck and N. Becker</p> |
| 12:45 – 13:00 | <p>Paper 12.4: Crowd sourcing as a novel approach for mosquito surveillance: a case study on the distribution and biting activity of mosquitoes during winter C. B.F. Vogels, A. J.H. van Vliet and C. J.M. Koenraadt</p> |
| 13:00 - 13:15 | <p>Paper 12.5: Citizen reporting as a contribution to the surveillance of invasive mosquitoes in the Netherlands A. Stroo</p> |
| 13:15 - 14:30 | Lunch |
| 14:30 - 16:00 | CLOSING OF THE CONFERENCE |