

AGENDA

Harnessing vector control innovation for optimal malaria control impact

Objectives of the 18th Annual RBM VCWG Meeting

To provide a platform for the malaria vector control community to exchange on latest best practices and research relevant to current and future malaria vector control operations. Plenary sessions and panel discussions complement the activities of the dedicated Work Streams who focus on their work plans, ratify the main projects and present the next steps and way forward.

The work plan activities are funded by Partners, and coordinated by the Work Stream Co-Leaders and the Co-Chairs of the Working Group.

Co-Chairs: Corine Ngufor & Justin McBeath

Coordinator: Konstantina Boutsika

Technical support: Sunghea Park

Rapporteur: Jessica Dennehy

On-site exhibition on vector control innovations throughout the meeting

Sunday 5 February 2023		
17:30 - 19:30	Arrivals, registrations	
Monday 6 February 2023		
7:00 - 8:00	Arrivals, registrations	
Session 1	Introductions, objectives, key updates	Chair Justin McBeath (VCWG)
8:00 - 8:15	Welcome, introductions of participants	Justin McBeath (VCWG)
8:15 - 8:30	Overview of agenda and objectives for VCWG-18	Corine Ngufor (VCWG)
8:30 - 8:35	Opening Remarks	
8:35 - 8:40	1. Dr Francis Chisaka Kasolo - Country Representative for WHO Ghana	
8:40 - 9:00	2. Dr Corine Karema - Interim CEO RBM Partnership to End Malaria	
	3. Dr Anthony Ofosu - Deputy Director General, Ghana Health Service	
9:00 - 9:15	Progress to Malaria Elimination in Ghana	Keziah Malm (NMEP)
9:15 - 9:45	Group photo & morning break / fair-trade coffee, selection of teas, fruit juices, snacks	
9:45 - 10:00	Update from RBM Partnership to End Malaria	Philippe Batiennon, Marsha Deda (RBM Partnership to End Malaria)

10:00 – 10:30	Update on malaria vector surveillance and control work at WHO	Seth Irish (WHO GMP)
10:30 – 11:00	Update from WHO PQ/VCP and status of Guideline: prequalification of Insecticide Treated Nets (ITNs)	Marion Law, Dominique Schuler, Jude Onwujei (WHO-PQT/VCP)
11:00 – 11:20	Global Fund update on vector control financing	Kate Kolaczinski (The Global Fund)
11:20 – 11:40	PMI malaria vector control policy and strategy updates 2023	Lilia Gerberg (PMI)
11:40 – 12:00	Strategic investments in vector control – A donor perspective on innovation	Matthew Black & Kelsey Barrett (Unitaid)
12:00- 12:30	Q&A	Moderator: Justin McBeath
12:30 – 14:00	Buffet lunch Networking / Poster viewing	
Session 2	Work stream sessions	
14:00 – 16:00	Enhancing Impact of Core Interventions – Part 1 (separate detailed agenda p. 4-5)	Mary Kante Allan Were
16:00 – 16:30	Afternoon break / fair-trade coffee, selection of teas, fruit juices, snacks Networking / Poster viewing	
16:30 – 18:30	Enhancing Impact of Core Interventions – Part 2 (separate detailed agenda p.5-6)	Mary Kante Allan Were
Tuesday 7 February 2023		
8:00 – 10:00	Expanding the Vector Control Toolbox – Part 1 (separate detailed agenda p.7-8)	Sheila Ogoma Derric Nimmo
10:00 – 10:30	Morning break / fair-trade coffee, selection of teas, fruit juices, snacks Networking/Poster viewing	
10:30 – 12:30	Expanding the Vector Control Toolbox – Part 2 (separate detailed agenda p.7-8)	Sheila Ogoma Derric Nimmo
12:30 – 14:00	Buffet lunch Networking / Poster viewing	
14:00 – 16:00	Implementing the Global Vector Control Response – Part 1 (separate detailed agenda p.9-10)	Anne Wilson Chadwick Sikaala
16:00 – 16:30	Afternoon break / fair-trade coffee, selection of teas, fruit juices, snacks Networking / Poster viewing	

16:30 – 18:30	Implementing the Global Vector Control Response – Part 2 (separate detailed agenda p.9-10)	Anne Wilson Chadwick Sikaala
18:30 – 21:00	New Nets end-of-project event	
Wednesday 8 February 2023		
Session 3	Roundtable discussion	
8:30 – 10:00	Projecting towards 2030 - the role of vector control in a new malaria landscape <u>Panel members</u> AGAMal: Samuel Agyei BASF: Susanne Stutz BMGF: Helen Jamet IVCC: Derric Nimmo NMEP: Keziah Malm PMI: Sarah Zohdy	Chairperson Corine Ngufor Justin McBeath
10:00 – 10:30	<ul style="list-style-type: none"> • Work Stream highlights, next steps • Way forward in 2023-2024 • Any other business 	Moderators Corine, Justin, Konstantina
10:30 – 12:00	Ghanaian goodbye with the Hedjorle Cultural Troupe from Teshie Nungua, Accra Brunch Networking / Poster viewing	
11:00 – 12:30	Optional - New Nets Projects and Future Considerations	
12:30 – 16:30	Optional - Field visit	
14:00 – 17:30	Optional - Workshop between Vector Control & Multi-Sectoral Working Groups (separate detailed agenda p.12-13)	

Work Stream 1

Enhancing the Impact of Core Interventions

During the 2023 VCWG Annual Meeting, WS1: Enhancing the Impact of Core Interventions will facilitate presentations and in-depth discussions for:

- Session 1: Durability testing of the bioefficacy of dual active ingredient ITNs, methods and country data
- Session 2: Increase in the malaria EIR following IRS withdrawal in Benin; Beneficial ITN repurposing practices in Uganda
- Session 3: School-based ITN distribution; A practical checklist for using routine data to measure vector control impact
- Session 4: Vectron T500 hut and community trials; Sub-lethal exposure to chlorfenapyr kills Plasmodium parasites in surviving insecticide-resistant Anopheles mosquitoes; Estimating the malaria prevention impact of dual active ingredient ITNs: Results from the New Nets Project pilot evaluations
- Session 5: Vision for vector control capacity building; Local resource mobilization to support ITN distribution in Nigeria; Experience of a malaria elimination project

Co-Leads: Mary Kante & Allan Were
Coordinator: Konstantina Boutsika
Technical support: Sunghea Park
Rapporteur: Jessica Dennehy

On-site exhibition on vector control innovations throughout the meeting

Monday 6 February 2023		
14:00 – 14:10	Welcome participants, meeting overview	Allan Were, Mary Kante
Task Team 4: Addressing non-biological threats: ITN/IRS quality, access and use/acceptance, durability/residual efficacy Facilitators: El Hadji Amadou Niang		
Session 1		
14:10 – 14:40	Durability testing of the bioefficacy of dual active ingredient ITNs, durability methods, and data from dual AI ITN monitoring	Corine Ngufor (CREC) Jackline Martin (KCMU, NIMR)
14:40 – 14:50	Physical and insecticidal durability of dual active ingredient and PBO ITNs: Results from 24-month surveys	Keith Esch (VectorLink, PMI)
14:50 – 15:05	Discussion	All
Session 2		
15:05 – 15:15	Increase in the malaria entomological inoculation rate following indoor residual spraying withdrawal in Atacora, Benin	Rock Aikpon (NMCP Benin)

15:15 – 15:25	Long-lasting insecticide-treated net repurposing practices and their predictors among households in Ibanda district, western Uganda	Medard Rukaari (NMCP Uganda)
15:25 – 15:30	Rethinking post market monitoring	Tara Seethaler (CHAI)
15:30 – 15:45	Discussion	All
15:45 – 16:15	Afternoon break / fair-trade coffee, selection of teas, fruit juices, snacks Networking / Poster viewing	
Task Team 1: Using data to inform optimal selection of core interventions Facilitators: D Levi Hinneh, Crispin Williams, Sarah Burnett		
Session 3		
16:15 – 16:28	School-based ITN distribution (1) Policy, People and Resources: why some countries have scaled up school-based distribution, others have not, and subsequent recommendations	Ketty Ndhlovu (NMCP Zambia)
16:28-16:40	School-based ITN distribution (2) Case study: Liberia's experience with school-based distribution: pilot & scale-up	Crispin Williams (NMCP Liberia)
16:40 – 16:55	Discussion	All
16:55 – 17:05	Practical checklist for using routine data to measure VC impact	VCWG WS1 Task Teams
Task Team 2: Addressing biological threats; new insecticides for vector control (for IRS and ITNs) Facilitators: Christen Fornadel, Julia Mwesigwa		
Session 4		
17:05 – 17:18	Non-inferiority experimental hut and community (Phase III) cluster randomized indoor residual spraying evaluation trials of Vectron™ T500 against malaria vectors in Tanzania	Njelembo Mbewe (LSHTM, KCMUCo), Patrick Tungu (NIMR)
17:18 – 17:26	Sub-lethal exposure to chlorfenapyr kills Plasmodium parasites in surviving insecticide-resistant Anopheles mosquitoes	Pie Mueller (Swiss TPH)
17:26 – 17:39	Estimating the malaria prevention impact of dual active ingredient insecticide-treated nets: Results from the New Nets Project pilot evaluations	Joe Wagman (PATH)
17:39 – 17:55	Discussion	All

Task Team 3: Capacity building, localization, and private sector involvement for sustainable vector control
Facilitators: Jessica Rockwood, Samuel Asiedu

Session 5

17:55 – 18:01	Capacity building, localization, and private sector involvement for sustainable vector control: Oct 18 special session outcomes and next steps vision for capacity building	Jessica Rockwood Samuel Asiedu
18:01 – 18:08	Private sector partnership with host community to achieve malaria elimination In Bonny Island	Anastasia Isodje (Nigeria LNG, Ltd.)
18:08 – 18:15	Local resource mobilization to support ITN distributions: lessons learned from Nigeria	Augustine Firima (MSH Nigeria)
18:15 – 18:25	Discussion	All
18:25 – 18:30	Wrap up and next steps	Allan Were, Mary Kante

Work Stream 2

Expanding the Vector Control Toolbox

The next few years are going to be an exciting time for innovations in vector control. Dedicated work by a range of stakeholders means that we can expect several new tools to be available soon, with new active ingredients to combat resistance development, targeting different life stages, outdoor biting control, improved surveillance, and generally improved usability and longevity of products. This session will showcase some of these new innovations and provide a platform for discussions on how we can best use these tools to combat malaria.

Co-Leads: Sheila Ogoma & Derric Nimmo
 Coordinator: Konstantina Boutsika
 Technical support: Sunghea Park
 Rapporteur: Jessica Dennehy

On-site exhibition on vector control innovations throughout the meeting

Tuesday 7 February 2023		
08:00 – 08:05	Introduction: work stream updates	Sheila Ogoma Derric Nimmo
Task Team 2: Innovations in vector control and vector surveillance Facilitators: Sheila Ogoma & Derric Nimmo		
08:05 – 08:20	Closing the gap	Jason Richardson (IVCC)
08:20 – 08:35	Spatial repellents: roadmap to global recommendation of spatial repellents for public health use	John Grieco (University of Notre Dame)
08:35 – 08:50	Shifting the conventional paradigm on evaluating interventions	Neil Lobo (University of Notre Dame, UCSF)
08:50 – 09:05	Microsporidia MB for malaria control	Syeda Tullu Bukhari (ICIPE)
09:05 – 09:20	Self-Limiting Mosquitoes: a new tool against the invasive malaria vector, <i>Anopheles stephensi</i>	Kevin Gorman (Oxitec)
09:20 – 09:30	Q&A	All
Task Team 3: Anthropology and human centered design (interface between vector control and human behavior) Facilitators: April Monroe		

09:30 – 09:35	Task team updates - Task team on anthropology and human-centered design in vector control	April Monroe (JHU CCP)
09:33 – 09:45	Update on List of Experts - Human behavior in the context of vector control: list of experts	Beatrice Egid (LSTM)
09:45 - 09:55	Over-spraying in IRS trials: a real or imagined problem	Mark Rowland (LSHTM)
09:55 – 10:00	Q&A	
10:00 – 10:30	Morning break / fair-trade coffee, selection of teas, fruit juices, snacks Networking / Poster viewing	
10:30 – 10:45	Using data to inform optimal selection of core interventions: Human behavior and exposure to mosquitoes	Neil Lobo (University of Notre Dame, UCSF)
10:45 – 10:50	Q&A	All
Task Team 1: Larval source management Facilitators: Jennifer Armistead & Prosper Chaki		
10:50 – 11:05	Climate change increases the risk of malaria transmission in South Africa	Monique Shanahan (University of Pretoria Institute for Sustainable Malaria Control)
11:05 – 11:20	Assessing entomological impact of a pilot larval source management using aerial spraying with drones in two districts in Madagascar	Joseph Chabi (Abt Associates)
11:20 – 11:35	Enhanced survivorship and fecundity of malaria vector around irrigation scheme in Ethiopia	Dawit Logita (University of Hawassa, Ethiopia)
11:35 – 11:50	Distribution and dynamics of <i>An. arabiensis</i> breeding sites in three health districts with high malaria incidence, Diourbel, Touba and Kaolack (Senegal)	Fatou Ndiaye (LEVP/UCAD)
11:50 – 12:00	Q&A	All
Wrap up Facilitators: Sheila Ogoma & Derric Nimmo		
12:00 – 12:30	New work stream task team co-leads, the future of WS2, what would be most useful to everyone	Sheila Ogoma Derric Nimmo

Work Stream 3

Implementing the Global Vector Control Response

This session will provide a platform for discussions on Integrated Vector Management, capacity & collaboration, *Anopheles stephensi* response and vector control in humanitarian emergencies.

Co-Leads: Chadwick Sikaala & Anne Wilson

Coordinator: Konstantina Boutsika

Technical support: Sungha Park

Rapporteur: Jessica Dennehy

On-site exhibition on vector control innovations throughout the meeting

Tuesday 7 February 2023		
14:00 – 14:10	Work stream updates & Introduction of Task Teams	Chadwick Sikaala Anne Wilson
Task Team 1: Integrated Vector Management Co-leads: Jo Lines & Charles Mbogo		
14:10 – 14:15	Introduction	Chadwick Sikaala Anne Wilson
14:15 – 14:25	Suppressing the breeding of malaria vectors in African rice fields	Kallista Chan (LSHTM)
14:25 – 14:35	The impacts of climate-adapted rice cultivation on malaria vector ecology	Harrison Hardy (University of Greenwich)
14:35 – 15:00	Discussions and way forward	All
Task Team 2: Capacity and Collaboration Co-leads: Tanya Russell & Nelson Cuamba		
15:00 – 15:05	Introduction	Chadwick Sikaala Anne Wilson
15:05 – 15:15	Applying a standardized, molecular entomology data labelling system in Ghana to effectively integrate into central DHIS2 database	Edem Obum (PMI VL)
15:15 – 15:25	Resilience Against Future Threats through Vector Control (RAFT) – a research programme consortium	Jo Lines (LSHTM)

15:25 – 16:00	Discussions and way forward	All
16:00 – 16:30	Afternoon break / fair-trade coffee, selection of teas, fruit juices, snacks Networking / Poster viewing	
Task Team 3: <i>Anopheles stephensi</i> response Co-leads: Melissa Yoshimizu, Sarah Zohdy		
16:30-16:45	Introduction Consensus statement	Sarah Zohdy Anne Wilson
16:45-16:50	MESA landscape review	Helen Nwanosike (ISGlobal)
16:50-17:20	<i>Anopheles stephensi</i> Expert Panel discussion <ul style="list-style-type: none"> • Hmooda Kafy & Hamza Sami (Sudan) • Seth Irish (WHO) • April Monroe (JHU CCP) • Richard Allan (MENTOR Initiative) • Kevin Gorman (Oxitec) • Susanta Ghosh (ICMR-NIMR, Bangalore) 	Moderators: Sarah Zohdy Melissa Yoshimizu
17:20-17:30	Floor discussion and wrap up	All
Task Team 4: Vector control in humanitarian emergencies Co-leads: Dana McLaughlin, Joe Lewinski		
17:30-17:35	Update on roundtable series on reducing malaria in IDPs and refugees	Joe Lewinski (CRS) Dana McLaughlin (UN Foundation)
17:35-17:45	UN Foundation analysis: assessing the inclusion of displaced populations in Global Fund applications 2020-2022	Dana McLaughlin (UN Foundation)
Expanded Vector Control Toolbox in Humanitarian Settings		
17:45-17:55	Vector control for malaria prevention during humanitarian emergencies: a systematic review and meta-analysis	Louisa Messenger (University of Nevada, Las Vegas)
17:55-18:05	Laboratory and semi-field efficacy evaluation of permethrin-piperonyl butoxide treated blankets against pyrethroid-resistant malaria vectors	Salum Azizi (KCMUCo) Jovin Kitau (WHO Country Office, Tanzania)
18:05-18:15	Phase III study on Durable Wall Lining in Liberia	Richard Allan (MENTOR Initiative)
18:15-18:30	Discussion	All

The sponsorships of selected malaria-affected country participants are kindly funded by the Swiss Agency for Development and Cooperation (SDC) through the GlobMal project at Swiss TPH and the contributions received from the Organizations participating at the Exhibition Fair. We are grateful.



Optional Workshop between the Vector Control & Multi-Sectoral Working Groups

Wednesday 8 February 2023, 14:00-17:30
Movenpick Ambassador Hotel, Accra, Ghana
Ballrooms 1 & 2

AGENDA

Explore the most effective means to localise multi-sectoral
deployment of vector control

Co-Chairs: Corine Ngufor & Justin McBeath (VCWG)
Graham Alabaster & Peter Mbabazi (MSWG)
Coordinator: Konstantina Boutsika
Technical support: Sunghea Park
Rapporteur: Jessica Dennehy

Set the stage		
14:00 – 14:05	Welcome and introduction to the Workshop	Corine Ngufor & Justin McBeath (VCWG) Graham Alabaster & Peter Mbabazi (MSWG)
14:05 – 14:15	Kampala urban malaria-multisectoral view	Peter Mbabazi (MSWG)
14:15 – 14:30	Shaping the built environment for vector-borne disease control	Lucy Tusting (LSHTM)
14:30 – 14:45	Critical elements of WASH infrastructure and their contribution to managing vector-borne diseases	Graham Alabaster (UNHabitat)
14:45 – 15:00	Rice and malaria in Africa: exploring agriculture-health co-benefits	Jo Lines (LSHTM)
15:00 – 15:10	Introduction to break out session Transition into the break-out groups	Corine Ngufor (VCWG) Peter Mbabazi (MSWG)

Break-out groups		
15:10 – 16:10	Which vector control tools lend themselves well to multi-sectoral engagement/deployment? In order to understand this question we would like break-out groups to explore these topics: 1. What are the limitations/opportunities for deploying those? 2. Are there any successful examples of this happening? 3. What different perspectives are needed when thinking about rural/ urban or peri-urban settings?	
16:10 – 16:40	Healthy break	
16:40 – 17:10	Break-out groups present their findings (5 minutes/per group)	Rapporteur of break-out groups
17:10 – 17:30	Wrap up and next steps/actions	Corine Ngufor & Justin McBeath (VCWG) Graham Alabaster & Peter Mbabazi (MSWG)

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