

7 February 2023

Panel discussion

- Hmooda Kafy & Hamza Sami (Sudan) ▪ Seth Irish (WHO)
- April Monroe (Johns Hopkins University) ▪ Richard Allan (MENTOR Initiative)
- Kevin Gorman (Oxitec) ▪ Susanta Ghosh (ICMR-NIMR, Bangalore)

Moderators: Sarah Zohdy, Melissa Yoshimizu

An. stephensi Expert Panel



Seth Irish
WHO-GMP



Susanta Kumar Ghosh
ICMR-NIMR, Bangalore



Hmooda Toto Kafy
FMOH Sudan



Hamza Sami
Sudan Federal Ministry of Health



Richard Allan
MENTOR Initiative



Kevin Gorman
Oxitec



April Monroe
Johns Hopkins Center for Communication Programs

- ▶ ****Please introduce yourself. Then a moderator will ask you the prompted question(s) below to which you can answer. Each panelist has about 5 minutes to answer their question(s) - entire panel session is 30 minutes. There will be a very brief (~8 minutes) floor discussion at the end of the session.****

QUESTIONS FOR 2023 VCWG WS3 TT3 AN. STEPHENSI PANEL

▶ **Seth Irish (WHO)**

- ▶ **How long has *An. stephensi* been in Africa and how quickly is it spreading?**
- ▶ **What is the global response to *An. stephensi* invasion and spread envisioned by WHO? (opportunity to provide an overview of the WHO initiative 5-pronged approach)**
- ▶ **How will WHO support countries in implementing the 5-pronged approach as outlined in the 2022 WHO initiative aimed at stopping further spread of *An. stephensi* in Africa?**

**QUESTIONS FOR 2023 VCWG WS3 TT3
AN. STEPHENSI PANEL**

- ▶ **Susanta Ghosh (India)**
 - ▶ **When was *An. stephensi* first reported in India and where? How did the national malaria control program evolve over time to address this vector? (opportunity to touch on which vector surveillance tools have been most effective)**
 - ▶ **What are two key pieces of advice from the experience in India that you have for countries dealing with invasive *An. stephensi*?**

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AN. STEPHENSI PANEL**

- ▶ **Hmooda Kafy & Hamza Sami (Sudan)**
 - ▶ **How was *An. stephensi* initially detected in Sudan? What is known about its current distribution?**
 - ▶ **What activities are ongoing in Sudan now to address *An. stephensi* and how have things changed?**
 - ▶ **What lessons learned do you have to share?**

**QUESTIONS FOR 2023 VCWG WS3 TT3
AN. STEPHENSI PANEL**

▶ **Richard Allan (MENTOR Initiative)**

- ▶ In the recent [Lancet paper](#), MENTOR Initiative authors which include yourself, highlight the need to escalate our response to stop the potential rapid development of urban malaria transmission from *An. stephensi*.
- ▶ How often are *An. stephensi* larvae found in the same larval sites as *Aedes aegypti* and their control through IVM?
- ▶ Can you please highlight what specific lessons learned from *Aedes* surveillance and control are applicable and should be scaled-up for *An. stephensi*? (opportunity to touch on community-based entomology practices and targeted LSM)

QUESTIONS FOR 2023 VCWG WS3 TT3
***AN. STEPHENSI* PANEL**

- ▶ **Kevin Gorman (Oxitec)**
 - ▶ **Can you briefly explain Oxitec's Friendly™ technology?**
 - ▶ **Under what entomological scenarios might the Friendly™ *An. stephensi* be most successful within the invasive geographic range?**
 - ▶ **What kinds of regulatory and community acceptance activities should governments and partners consider now that Friendly™ technology might be able to be a viable tool in the toolbox in the future?**
 - ▶ **What kinds of budget implications does this approach have?**

**QUESTIONS FOR 2023 VCWG WS3 TT3
AN. STEPHENSI PANEL**

- ▶ **April Monroe (Johns Hopkins University)**
 - ▶ **How must SBC be modified to address *An. stephensi* given the unique biology of *An. stephensi*, shift of interventions to urban populations, and possible expansion to novel interventions for control in the future?**

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AN. STEPHENSI PANEL**

- ▶ Seth Irish (WHO), kolaczinskij@who.int, irishs@who.int
- ▶ Susanta Ghosh (India), ghoshnimr@gmail.com
- ▶ Hmooda Kafy (Sudan), hmoodakafy@gmail.com,
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- ▶ Richard Allan (MENTOR Initiative), richard.allan@mentor-initiative.net
- ▶ Kevin Gorman (Oxitec), kevin.gorman@oxitec.com
- ▶ April Monroe (Johns Hopkins University), amonro10@jhu.edu

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Action items

Identified Needs	Next Steps
Continue multisectoral leveraging	<ul style="list-style-type: none">• Continue to link with invasive species programs• Specific guidance/activities with WASH, One Health, <i>Aedes</i>, urban malaria, SBC
Centralized resources for NMPs	<ul style="list-style-type: none">• Consolidated repository of country <i>An. stephensi</i> action plans• Relevant literature• Short guidance/infographic on initial activities
Research status and gaps	<ul style="list-style-type: none">• Further discuss MESA deep dives• Potential to convene stakeholders around identifying research gaps, leading to report/paper output (based on MalERA model)• Collate funding opportunities

