RBM Partnership
To End Malaria

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Introduction: work stream updates

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Expanding the Vector Control Toolbox

Workstream 2:
Expanding the Vector Control Toolbox

Task Team 1	Task Team 2	Task Team 3
• Larval Source Management • Leads: Jennifer Armistead, PMI and Prosper Chaki, IHI / PAMCA	• Innovations in vector control and vector surveillance • Leads: TBD	• Anthropology and human centered design (interface between vector control and human behavior) • Lead: April Monroe, JHUCCP

AGENDA Work Stream 2

Showcase work by a range of stakeholders on new tools to be available soon, with new active ingredients to combat different types of resistance, targeting different life stages, outdoor biting control, improved surveillance, and generally improved usability and longevity of products.

Content

1. EVCT Workstream Activities

2. EVCT Workstream 2023 Plans

3. Call for Task team Leads

EVCT Workstream 2022 Activities

Larval source management (LSM)

Conducted landscape analysis on LSM. Information gathered:

- Country
- Use of drones
- Source of funding
- Type of larvicide
- Type of habitat targeted
- Objectives and outcome measures
- Target mosquito species

Anthropology and human centered design in the context of vector control

Document lessons learned, best practices, and information gaps

- Facilitated small group discussions with researchers working on this topic to determine best practices.

Social and behavioral considerations for *An. stephensi* interventions

- Facilitated small group discussions with researchers working on working on social and behavioral considerations for vector control

EVCT 2023 Plans: LSM

Conduct a landscape analysis to:

- Identify countries currently implementing LSM

- Highlight challenges, success, and best practices, with special attention to use of drones/AI technology

- Identify and document perspectives from current and potential funders/stakeholders

Consolidate existing knowledge and gaps pertaining to LSM implementation:

- Tools for habitat characterization and coverage

- Larvicide delivery (conventional vs aerial)

- Product optimization (residual effect, cost, cost effectiveness)

- Implementation framework and tools

- Monitoring and evaluation framework and tools

EVCT 2023 Plans: Innovations/Discussions

1. Develop a document outlining an overview of innovations:

   – A simple table of potential new tools: *Build on the inventory we have*

2. Task team on attractive sugar baits, odor baits

   Focus: 1. A webinar to showcase existing research, identify gaps, next steps, timelines to implementation

   Focus: 2. An outline of research on attractive sugar baits to be shared with the VCWG membership

3. An outline of research on genetically modified and gene drives mosquitoes, endectocides, spatial and topical repellents.

   Focus: 1. Task team on community engagement, regulation, challenges and policies around new tools.

4. Innovations in mosquito sampling

   Focus: 1. An outline of research on adult mosquito sampling tools

Call for Task team members and leads

1. Task team on attractive sugar baits, odor baits

2. Task team on genetically modified and gene drives mosquitoes, spatial and topical repellents

3. Task team on community engagement, regulation, challenges and policies around new tools.

4. Task team on innovations in mosquito sampling