

7 February 2023

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# New work stream co-lead, the future of WS2 : what would be most useful to everyone

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# 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: Larval Source management

Conduct a landscape analysis to:

- Identify countries currently implementing LSM
- Highlight challenges, success, and best practices, with special attention to the use of drones/AI technology
- Identify and document perspectives from current and potential funders/stakeholders

Consolidate existing knowledge and gaps with 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 in vector control

1. Develop a document outlining an overview of innovations in vector control:
  - A simple table of potential new tools that could be available in the next 5-10 years
2. Overview of attractive sugar baits, odour baits
  - A webinar to showcase existing research, gaps, next steps, and timelines to implementation
  - An outline/overview of research on attractive sugar baits for the VCWG membership
3. Outline of research on genetically modified mosquitoes, endectocides, spatial and topical repellents
4. Community engagement around new tools; regulations, challenges and policies.
5. Innovations in mosquito sampling
  - An outline of research on adult mosquito sampling tools

# Call for Task team members and leads

Innovations in vector control and surveillance

Task team themes:

1. Attractive sugar baits, odour baits
2. Genetically modified mosquitoes
3. Spatial and topical repellents
4. Community engagement, regulation, challenges and policies around new tools
5. Innovations in mosquito sampling

## Task Team 2

- Innovations in vector control and vector surveillance
- Leads: TBD



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