
Larval Source Management Work Stream

5th Meeting

Friday 21st February, 13.00-15.00
Auditorium, ICRC

Agenda

12.00 – 13.00	Lunch Poster viewing	
13.00 – 13.15	Welcome Review of 4 th meeting, Geneva, February 2013	Steve Lindsay
	Review of progress in 2013	Lucy Tusting
13.15 – 13.45	Draft 2014 work plan: 1. Updating the environmental management handbook 2. Developing manuals for LSM in SE Asia and S America 3. WHOPES approved larvicides 4. Increasing advocacy to funders/donors 5. Supporting NMCPs doing LSM (10 mins)	Steve Lindsay Shiva Murugasampillay Silas Majambere
13.45 – 14.00	Urban Malaria Control Scheme, India	Ranjander Sharma
	LSM in Pakistan	Muhammad Mukhtar
14.00- 14.55	AOB / Discussion	All
15.00	Close	Steve Lindsay

Main points from 4th Meeting, Geneva, 30th January 2013

Steve Lindsay



What was discussed

1. Progress on 2012 Work Plan:

- **Country case studies** – Steve Lindsay
- **LSM Operational manual** – Shiva Murugasampillay
- **Decision-making framework** – Steve Lindsay

2. How to make LSM work for IVM – Silas Majambere

3. LSM in malaria elimination – Birkinesh Amenesheyway

4. Discussion

Main conclusions

1. 26 countries are already conducting LSM – so our primary focus should not be on *whether* to use it, but *where* and *how*
2. LSM can and is already playing a role in elimination in many countries e.g. Morocco
3. LSM should also play a role in integrated vector management (IVM), with opportunities for sectors outside health to contribute e.g. those involved in water management.

Next steps agreed

- **LSM Operational Manual:**
 - Publish and disseminate asap
- **WHOPEs Approved Products:**
 - A list of specific products available for LSM should be drawn up with information on WHOPEs status
- **Engaging outside the health sector:**
 - As well as training program managers in LSM it is important to engage with those in the areas of urban agriculture, 'healthy homes', sanitary engineers and others outside the health arena
 - Make contact with relevant contacts in water etc through WHO/IVM, SIMA, Habitat for Humanity, Danish architecture networks and through associations e.g. South African Civil Engineering Association

Review of progress in 2013

Lucy Tusting



Review of 2013

1. Cochrane Review
2. Operational Manual
3. LSM Symposium at MIM Durban
4. Multisectoral approaches to malaria

1. Cochrane Review

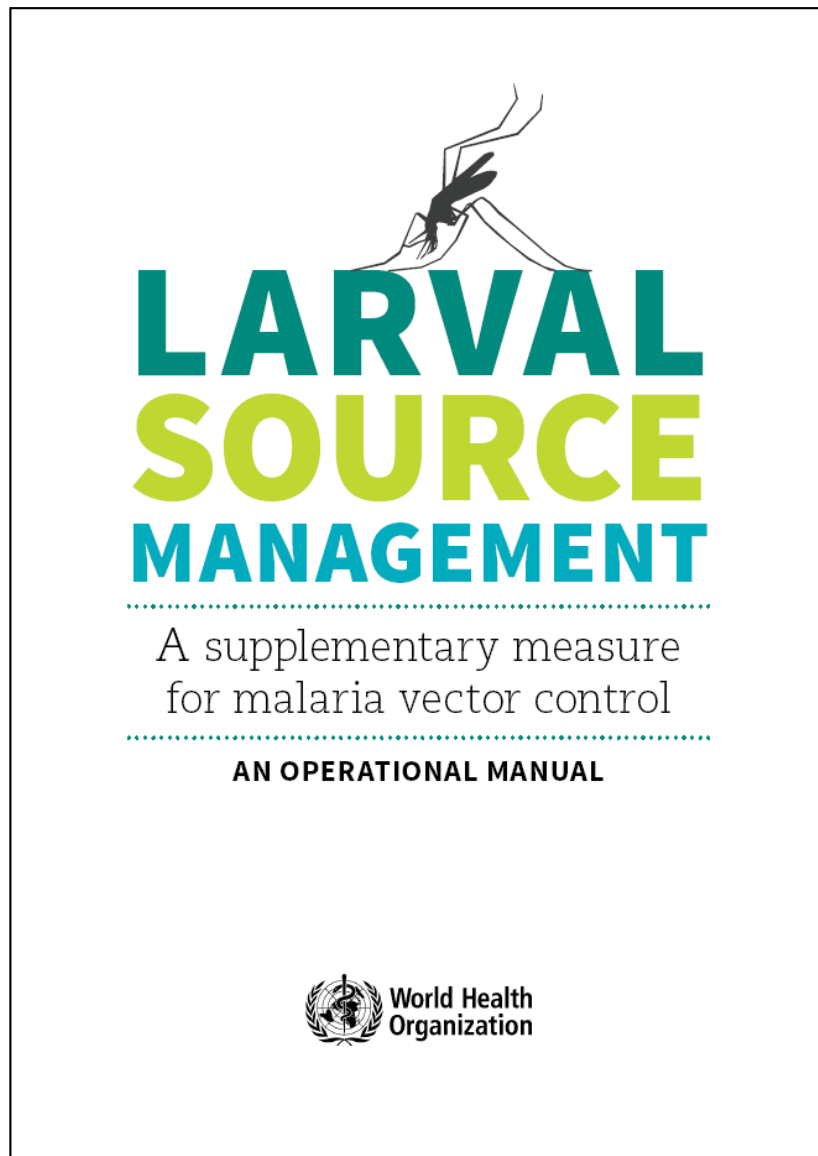
Published September 2013: Tusting LS, Thwing J, Sinclair D, Fillinger U, Gimnig J, Bonner KE, Bottomley C, Lindsay SW., 2013. Mosquito larval source management for controlling malaria. Cochrane Database of Systematic Reviews, Issue 8.

Main results and conclusions:

- 13 studies included, up to 75% reduction in incidence and up to 90% reduction in prevalence in appropriate settings
- In Africa and Asia, LSM is an option with LLINs and IRS, in both urban and rural areas, where sufficient larval habitats can be targeted.
- Further research is needed to evaluate whether LSM is appropriate or feasible in rural Africa where larval habitats are more extensive

Dissemination: 50+ press articles/audios in first week including BBC News, BBC World Service, Reuters, Voice of America

2. Operational Manual



- **Published July 2013**
- **Contributors:**
 - Uli Fillinger, Lucy Tusting, Steve Lindsay, Shiva Mugurasampillay, Michael Macdonald, Abraham Mnzava, Silas Majambere, Rob Newman, Chioma Amajoh, Peter DeChant, William Jany, Hmooda Toto Kafy, Gerry Killen, Charles Mbogo, Rose Peter, John Lucas, Egon Weinmueller, Cheryl Whitehorn

3. RBM-sponsored LSM Symposium at MIM

1. **Steve Lindsay:** Larval source management for malaria control in Africa.
2. **Lucy Tusting:** A systematic review and meta-analysis of mosquito larval source management for controlling malaria.
3. **Silas Majambere:** Larval source management: an African perspective.
4. **Hmooda Toto Kafy:** Larval source management in Khartoum, Sudan: a case study.

4. Multisectoral approaches to malaria

Multisectoral Action Framework for Malaria Control, RBM/UNDP, September 2013:

- LSM can be integrated into many sectors including agriculture, water and sanitation management and planning and construction
- e.g. Encourage construction sector to apply larvicide to oxidation ponds; integrate LSM into urban agriculture
- This approach is already being pioneered e.g. Khartoum, Sudan as part of the Khartoum Malaria Free Initiative

Draft 2014 Work Plan

Steve Lindsay

Shiva Murugasampillay

Silas Majambere



Draft 2014 Work Plan

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3. WHOPEP approved larvicides – Steve Lindsay
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5. Supporting NMCPs doing LSM – Silas Majambere