

PROJECTS: KENYA

STOP MALARIA – ENVIRONMENTALLY FRIENDLY MALARIA PREVENTION IN MALINDI



Project

The urban area around Malindi offers malaria mosquitoes numerous man-made breeding sites: potholes, open streams and stagnant pools caused by blocked canals. Swimming pools in hotel facilities that are not used during the rainy season present further breeding sites close to the dwellings of affected people. What is most important is that **those affected** are **informed** (special malaria- info-events) about the danger presented by these stagnant bodies of water as breeding sites for the malaria mosquito. For this reason, local key people are trained to become so-called „**Mosquito-Scouts**”. They are charged with an important responsibility, namely to guarantee the active participation of the population in sustainably controlling malaria. Stagnant pools of water are dried out in community work. Where this is not possible, the pools are treated with an **environmentally safe bacteria** (Bti, *Bacillus thuringiensis israelensis*), to decimate the mosquitoes in the larval stage. **Impregnated bed nets** are distributed to those groups particularly at risk from malaria (mothers and small children). When used correctly, these mosquito nets provide the safest protection from malaria-transmitting mosquito bites.

Relevance

Every year around two million people die from the consequences of the tropical disease malaria, most of them in sub-Saharan Africa. Biovision's pilot projects have shown that environmentally friendly and low-cost measures that can be implemented by the local population are an effective weapon in the fight against malaria.

The Malindi pilot project demonstrated to the population and central decision makers how malaria can be contained in urban and peri-urban areas in an ecological and cost-effective way.

Development Goal

Health improvement for the population of Malindi through integrated control of disease transmitting mosquitoes.

Beneficiaries

250 people are trained in malaria control methods. Malindi's 80,000 inhabitants profit directly or indirectly from malaria control. A reduction in mosquito numbers effects a reduction in cases of malaria and the death rate in relation to malaria.

Project number:

BV HH-02

Project active since:

2005

Project duration:

until December 2011

Budget for 2011:

150'000 USD

Project coordinator:

Dr. Charles Mbogo, KEMRI

Program responsibility:

Verena Albertin, Biovision



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The population is made aware of the problem of malaria-carrying mosquitoes during information days.

Achieved so far

Development of a comprehensible handbook with guidelines and checklists for the introduction of participative and integrated malaria control on the regional and national level. Through integrated malaria control organised by the community, disease in Malindi has already been substantially reduced.

Goals

1. **National dissemination of integrated malaria control** through intensive training and information dissemination.
2. **Strengthening of the district in malaria control** through trainings in malaria prevention as well as technical support from community workers
3. **Application of the developed guidelines and checklists** for the implementation of participative, integrated mosquito control
4. Execution of **research projects** to monitor achieved results
5. **Strengthening of partnerships** in the area of malaria prevention and control with **goal-related organisation and ministries**



The project area Malindi lies on the coast of the Indian Ocean.

Partner Organisations

International Centre of Insect Physiology and Ecology *icipe* www.icipe.org (implementing partner); Kenya Medical Research Institute KEMRI www.kemri.org; Ministry of Health, Malindi District Hospital, Municipal Council of Malindi

Sustainability

Sustainability calls for a holistic vision: healthy people, animals and plants in a healthy environment. (4x Health, 4-H Strategy). Every project supported by Biovision effects considerable improvements in at least one of the four health areas. The key to effectively replicating the success of the project is the availability of specific information on the methods applied and the results achieved. With this approach and its 'helix of effects', living conditions are improved and the poverty of the people is gradually overcome while the environment is protected.



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