

Strengthening of national vector control capabilities in the Middle EastSituation analysis of insecticide susceptibility in all capital districts in Djibouti and North Africa

Policy

- Seven countries have an IVM policy framework with support provided by Global Environment Facility (GEF) and its additional resource mobilization from other donors
 - Seven countries have a national policy on pesticide management that has an impact on insecticide resistance management -
 - WHO framework action developed on sound management of public health pesticides in the Region. \Box

Institutional arrangements

- IVM steering committee constituted to review policies and regulations related to IVM -
- Four countries have a restructured vector control unit including Egypt, Jordan, Morocco and Sudan.

Organization and management

- Clear standards for professions and careers in vector control and public health entomology have been established for approximately 6000 personnel
 - Introduction of an epidemiological surveillance system on vector-borne diseases in seven countries -
 - Strategic direction provided through operational research in all participating countries
 - Participating countries have overall 144 sentinel sites with functioning vector surveillance and insecticide resistance monitoring.

Planning and implementation

 $\textbf{Harmonization of separate vector-borne diseases control programme in seven countries through a national strategic and implementation plan.} \qquad \textbf{-}$

Advocacy, communication and social mobilization

Community ownership has been pivotal in sustaining gains of project activities, which was achieved mainly through partnership for change among all relevant stakeholders - through advocacy meetings, multiple behavioural change campaigns and countrywide communications.

Capacity-building

The key focus area of GEF was development of human and infrastructural capacity to benefit the participating countries beyond the duration of the project. Some of the highlights $are: \Box$

- Organization of certified training on IVM and judicious use of pesticides in seven countries, 745 staff have been trained in IVM
- Development of a robust curriculum by WHO Regional Office for the Eastern Mediterranean for a master of science degree programme in medical entomology and vector control with the Blue Nile River Institute, Geziera state, Sudan in 2008
 - Development of guidelines and training materials for vector control professionals in the Region -
- Regional consultation organized by the regional office on insecticide resistance in Casablanca, Morocco, with the participation of representatives from 12 ministries of health of the Region
 - Organization of insecticide resistance monitoring training course in Cairo, in collaboration with the Naval Medical Research Unit 3 (NAMRU-3).

Related links

Integrated vector management

Integrated vector management (IVM) directory of resources

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