



Grant agreement no. 243964

QWeCI

**Quantifying Weather and Climate Impacts on Health
in Developing Countries**

M6.2b – Completion of the Pretoria¹ Symposium

Start date of project: 1 February 2010

Duration: 42 months

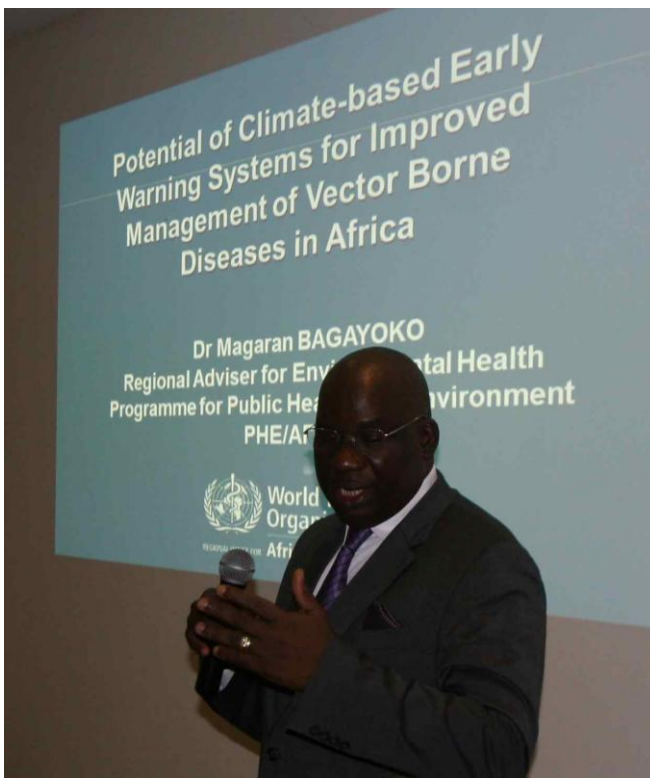
Lead contractor: UNILIV
Coordinator of milestone: UNILIV
Evolution of milestone

Due date : M36
Date of first draft : 16 April 2013
Start of review : 16 April 2013
Milestone accepted : 23 April 2013

Project co-funded by the European Commission within the Seventh Framework Programme (2007-2013)		
Dissemination Level		
PU	Public	PU
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

¹ Note: The symposium took place in Kigali, Rwanda

As described in the DoW a symposium was “to be held at an African institution (possibly in Pretoria) by month 36”. Subsequently the opportunity was taken to hold a symposium jointly with the FP7 Healthy Futures project as part of the 4th annual East Africa Health & Scientific Conference held in Kigali from March 27th-29th 2013.



A detailed report on the symposium is within the scope of corresponding deliverable 6.2d.

The agenda for the symposium is shown on the next three pages of this milestone report.



Environment and health in Africa

Climate and vector-borne diseases Symposium

East African Community Annual Health & Scientific Conference,
Serena Hotel, Kigali, Rwanda, March 29 2013

Agenda

- 07.00- 08.00 **Registration**
- 08.00- 08.15 **Welcome**
QWeCI Coordinator: Andy Morse, University of Liverpool, and HEALTHY FUTURES
Coordinator: David Taylor, Trinity College Dublin/National University of Singapore
- 08.15- 08.45 **Plenary: : The potential of climate-based early warning systems for improved management of vector borne diseases in Africa.**
Dr Magaran Bagayoko, Director of the Protection of Human Environment
Programme, World Health Organization – Regional office for Africa, Brazzaville,
Congo Republic
- 08.45 - 09.00 **Climate change and the discourse of environmental health in eastern Africa**
David Taylor, Department of Geography, National University of Singapore, Singapore
- 09:00 - 09.15 **Community Perceptions of Health Risk Management in Changing Climate in Tanzania**
Sheila Chemjor, Eastern Africa Regional International Federation of Red Cross and
Red Crescent, Nairobi, Kenya
- 09.15 – 09:30 **Uses of seasonal forecasts in Africa for malaria prediction**
Andy Morse, University of Liverpool, Liverpool, UK
- 09.30 - 09.45 **Rainfall and RVF emergence in Senegal: beyond twenty years of investigation, lessons learned and perspectives**
Jacques Andre Ndione, Centre de Suivi Ecologique, Dakar, Senegal
- 9.45 - 10.00 **Mapping the distribution of potential Rift Valley Fever hotspots in East Africa**
Bernard Bett, International Livestock Research Institute, Nairobi, Kenya



10:00 - 10.15 **Identification of Malaria Transmission Hotspots for Targeting Malaria Control in Kigali City**

Jean Pierre Bizimana, National University of Rwanda, Butare, Rwanda

10.15 - 10.30 **Mapping the underlying causes of vector-borne diseases in East Africa**

Stefan Kienberger, University of Salzburg, Salzburg, Austria

10:30 - 11:00 COFFEE

11.00 - 11.15 **Climatic and socioeconomic determinants of malaria in Rwanda and Uganda**

Felipe de Jesús Colón-González, The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy

11.15 - 11.30 **Geostatistical modelling and analysis of under five malaria risk in Malawi**

James Chirombo, Malawi Ministry of Health, Lilongwe, Malawi

11.30 - 11.45 **A spatially-explicit simulation model for Rift Valley fever transmission**

John Gachohi, International Livestock Research Institute, Nairobi, Kenya

11.45 - 12.00 **VECTRI - a new high resolution regional model for malaria that accounts for population density and surface hydrology**

Adrian Tompkins, The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy

12.00 - 12.15 **21st century projections of *Anopheles gambiae* sensu stricto population dynamics in Africa**

Nils Hempelmann, Climate Service Centre, Hamburg, Germany

12.15 - 12.30 **EUPORIAS dynamical downscaling of global seasonal forecasts for East Africa**

Grigory Nikulin, Swedish Meteorological and Hydrological Institute, Norrköping, Sweden

12.30 - 14.00 LUNCH

14.00 - 14.15 **Comparative Study of the Impact of Climate Variability on Prevalence of Urinary Schistosomiasis**

Sammy Tay, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

14.15 - 14.30 **Providing regional climate change information for East Africa: CORDEX and HEALTHY FUTURES**



Grigory Nikulin, Swedish Meteorological and Hydrological Institute, Norrköping, Sweden

14.30 - 14.45 **The prototype Malaria Early Warning System of ECMWF and ICTP (MEWS)**
Francesca Di Giuseppe, European Centre for Medium-Range Weather Forecasts, Reading, UK

14.45 - 15.00 **Conclusion of the day and acknowledgments**
Theophile Niyonzima, National University of Rwanda, HEALTHY FUTURES