



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

- 08.00 - 08.45 **Registration**
- 08.45 - 09.00 **Welcome**
QWeCI Coordinator: Andy Morse, University of Liverpool, and HEALTHY FUTURES
Coordinator: David Taylor, Trinity College Dublin/National University of Singapore
- 09.00 - 09.30 **Plenary speech**
Dr Magaran Bagayoko, Director of the Protection of Human Environment
Programme, World Health Organization – Regional office for Africa, Brazzaville,
Congo Republic
- 09.30 - 09.50 **Climate change and the discourse of environmental health in eastern Africa**
David Taylor, Department of Geography, National University of Singapore, Singapore
- 09:50 - 10.10 **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
- 10.10 - 10:30 **Uses of seasonal forecasts in Africa for malaria prediction**
Andy Morse, University of Liverpool, Liverpool, UK
- 10:30 - 11:00 COFFEE**
- 11.00 - 11.20 **Rainfall and RVF emergence in Senegal: beyond twenty years of investigation,
lessons learned and perspectives**
Jacques Andre Ndione, Centre de Suivi Ecologique, Dakar, Senegal



- 11.20 - 11.40 **Mapping the distribution of potential Rift Valley Fever hotspots in East Africa**
Bernard Bett, International Livestock Research Institute, Nairobi, Kenya
- 11:40 - 12.00 **Identification of Malaria Transmission Hotspots for Targeting Malaria Control in Kigali City**
Jean Pierre Bizimana, National University of Rwanda, Butare, Rwanda
- 12.00 - 12.20 **Mapping the underlying causes of vector-borne diseases in East Africa**
Stefan Kienberger, University of Salzburg, Salzburg, Austria
- 12.20 - 12.40 **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
- 12.40 - 14.00 LUNCH**
- 14.00 - 14.20 **Geostatistical modelling and analysis of under five malaria risk in Malawi**
James Chirombo, Malawi Ministry of Health, Lilongwe, Malawi
- 14.20 - 14.40 **A spatially-explicit simulation model for Rift Valley fever transmission**
John Gachohi, International Livestock Research Institute, Nairobi, Kenya
- 14.40 - 15.00 **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
- 15.00 - 15.20 **21st century projections of *Anopheles gambiae* sensu stricto population dynamics in Africa**
Nils Hempelmann, Climate Service Centre, Hamburg, Germany
- 15.20 - 15.40 **EUPORIAS dynamical downscaling of global seasonal forecasts for East Africa**
Grigory Nikulin, Swedish Meteorological and Hydrological Institute, Norrköping, Sweden
- 15.40 - 16.00 **Comparative Study of the Impact of Climate Variability on Prevalence of Urinary Schistosomiasis**
Sammy Crowther Kofi Tay, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
- 16.00 - 16.20 COFFEE**



- 16.20 - 16.40 **Providing regional climate change information for East Africa: CORDEX and HEALTHY FUTURES**
Grigory Nikulin, Swedish Meteorological and Hydrological Institute, Norrköping, Sweden
- 16.40 - 17.00 **The prototype Malaria Early Warning System of ECMWF and ICTP (MEWS)**
Francesca Di Giuseppe, European Centre for Medium-Range Weather Forecasts, Reading, UK
- 17.00 - 17.20 **Conclusion of the day and acknowledgments**
Theophile Niyonzima, National University of Rwanda, HEALTHY FUTURES