



MINISTRY OF HEALTH



In Search of Better Health

2ND HEALTH AND CLIMATE CHANGE SCIENTIFIC CONFERENCE

DATES: 28th to 30th August, 2023

VENUE: Diamond Leisure Beach and Golf Resort Diani, Kwale County

THEME:

**TOWARDS DELIVERY OF CLIMATE RESILIENT UNIVERSAL
HEALTH COVERAGE LEVERAGING ON BLUE AND GREEN
ECONOMY**

SUB-THEMES;

1. Biodiversity, Blue Economy, One health and nature-based solutions – the science and evidence
2. Environment, climate & health – the science and evidence
3. Building Resilience for sustainable delivery of UHC
4. Building Partnership and collaboration and Cross cutting issues



KEYNOTE SPEAKERS



Prof. Sam Kariuki

Sam Kariuki (DVM, MSc, PhD) obtained his DVM from the University of Nairobi (1989), MSc in Pharmacology and Toxicology, University of Nairobi (1991), and a PhD in Tropical Medicine from the Liverpool School of Tropical Medicine (LSTM) in 1997. He was awarded Doctor of Science (Honoris causa) by the LSTM in December 2022. Currently he is Director, Drugs for Neglected Diseases Initiative (DNDi) East Africa Regional Office.

TOPIC:

Climate sensitive infectious diseases and Antimicrobial resistance: An ongoing silent pandemic in Africa



Dr. John Chumo

Dr John Chumo is an environmental scientist and the current Chief Executive officer, of MaMa Doing Good with an experience of over 30 years in the environmental sciences.

TOPIC:

The Role of Women in Environment and Climate Action



Dr. James Mwitari

Dr Mwitari is a long serving Public Health Practitioner with over 30 years' experience in public health with substantial expertise in teaching, research, and leadership. He is currently working for KEMRI- Clean Air (Africa) Global Health Research unit as a Senior Research Fellow, Principal Investigator and Co-Director of the unit.

TOPIC:

Overview of Climate Change and burden of disease in sub-Saharan Africa



Prof. Jennifer Orwa

Associate Professor of Pharmacy with vast experience in natural products research. She is currently executing the duties of Deputy Director, Resource Development & Knowledge Management at the Kenya Medical Research Institute.

TOPIC:

"Integrating Climate Considerations into Evidence-Informed Decision Making and Universal Health Coverage: Building Resilience for sustainable delivery of UHC"



Prof. Khama Rogo MB ChB, MMed O/G, Ph.D, FGOncol, FCOG (ECSA)

Trained as an obstetrician-gynecologist, Prof. Khama Rogo earned his PhD and Fellowship in Gynecologic Oncology from Sweden, qualifying as only the second-ever Gyne-Oncologist in East Africa. He is a Fellow of the European School of Oncology.

TOPIC:

Cancer and Climate Change



Prof. Philip Osano

Philip is the Director of Stockholm Environment Institute (SEI) Africa Center where he leads SEI's research and policy engagement on environment and development in Africa.

TOPIC:

An Integrated Approach to Air Pollution and Climate Change; An Action Agenda for Africa with Focus on Kenya

PROGRAM

Time	Activity/Topic	Presenter
DAY ONE: EVIDENCE-BASED RESEARCH AND POLICY (AUGUST 28TH, 2023)		
Morning Session		
07:00 – 9:00 AM	Arrival and Registration of Delegates	Committee
9:00- 12:00 PM	Official Opening	
Master of Ceremonies & Co-Moderation: TBD		
09:00 AM	Opening Prayers	Nancy Chebichii
09:10 AM	Chairperson, Organizing Committee	Ms. Sophie Matu
09:20 AM	Director General, KEMRI	Prof. Elijah Songok
09:30 AM	Director General, NEMA	Mr. Mamo Boru -EBS
09:40 AM	CEO, Mama Doing Good	Dr. John Chumo
09:50 AM	WHO Representative	Dr Abdourahmane Diallo
10:00 AM	Chairman, KEMRI Board of Directors	Dr. Abdulahi Ali
10:10 AM	PS State Department of Medical Services	Harry Kimutai, CBS
10:40 AM	Governor, Kwale County	H.E. Fatuma Achani
11:00 AM	Official Opening Remarks by Cabinet Secretary, Ministry of Mining, Blue Economy and Maritime Affairs	H.E. Salim Mvurya Mkala
	Master of ceremony	Dr. Evans Amukoye
11:40 - 12:00 PM	Photo session/health break, /press briefing/Tea Break	
Morning Session (Continued)		
12:00 - 13:00 PM	Keynote Addresses and Plenary Presentations Chair: Dr. Evans Amukoye Rapporteur: Arthur Gohole, Olga Mashedi	
	1. Overview of Climate Change and burden of disease in sub-Saharan Africa	Dr. James Mwitari KEMRI-CAA
	2. Climate sensitive infectious diseases and Antimicrobial resistance: An ongoing silent pandemic in Africa	Prof. Sam Kariuki – KEMRI & DNDi
13:00 PM - 14:00 PM Lunch Break		
Afternoon Session		
	Keynote Addresses and Plenary Presentations (Continued)	
2:00 -3:30 PM	1. The Role of Women in Environment and Climate Action 2. Cancer and Climate Change	Dr. John Chumo –Mama Doing Good Prof. Khama Rogo - TCB
3:30 - 17:00 PM	Sub-theme 1: Biodiversity, Blue Economy, One Health, and Nature-Based Solutions – the Science and Evidence Chair: Dr. Eric Muok Rapporteur: Nancy Chebichii, Ann Irungu	
3:40 PM	Natural Regeneration of Drylands and Associated Pathways to Human Health Outcomes: Perspectives from Rural Households	Penny Murage -LSTM
4:00 PM	Assessing the Impact of Co-managing Forest Resources on Food Security and Biodiversity Conservation in Kenya presented by	Dr. Margaret Wachu Gichuhi -JKUAT
4:00-4:15 PM	Waste Management Strategies for Climate-Health Nexus	Andrew Moseti (To Confirm)

4:15 -4:30 PM	Community Health Worker (CHW) Programs in Climate-Vulnerable Regions.	
4:30-4:45 PM	Assessing Potential Releases of Unintentional Persistent Organic Pollutants (UPOPs) from Dumpsites in Four Kenyan Cities: Nairobi, Mombasa, Kisumu, and Nakuru.	Prof. Charles Mirikau - UON
4:45 -5:00PM	Green Financing Climate smart Healthcare through ESG and Carbon Markets	Edward Muriuki- ECOSPA
5:00 – 5:15 PM	Mangroves Restoration and Research	Derric Muyondi - CERIOPS
17:00 - 17:30 PM	Coffee Break	
DAY TWO: BUILDING RESILIENCE FOR SUSTAINABLE DELIVERY OF UHC (AUGUST 29TH, 2023)		
Morning Session		
08:00 - 10:30 AM Air pollution		
Chair Dr. James Mwitari		
Rapporteur: Willah Nabukwangwa,		
8:00 am -9:30 am	Keynote Presentation: “Household Air Pollution and its Health Impacts”	Prof. Dan Pope, CAA
	Keynote Presentation: “An Integrated Approach to Air Pollution and Climate Change; An Action Agenda for Africa with Focus on Kenya”	Dr. Philip Osano, SEI
	Keynote Presentation: “Integrating Climate Considerations into Evidence-Informed Decision Making and Universal Health Coverage: Building Resilience for sustainable delivery of UHC”	Prof. Jennifer Orwa - KEMRI
9:30 AM-9:45 AM	Drivers of undiagnosed asthma in children in informal settings. Particulate matter emitters	Dr. Hellen Meme -KEMRI
9:45 AM– 10:00 AM	Supporting cities to transition to clean Air: Case of Nairobi City	Dr. George Mwaniki - WRI
10:00 AM – 10:15 AM	Use of low cost air quality measurement devices in monitoring Indoor and outdoor Air Pollution in Informal Settlements and Neighboring Affluent Localities in Nairobi	Fred Orina - KEMRI
10:15 AM -10:30 AM	Quantifying health effects of air pollution in Urban cities: Case of Nairobi City	Sammy Simiyu – Vital Strategies
10:30 AM - 10:45 AM	Coffee Break	
Morning Session (Continued)		
11:00 – 01:00 PM Sub-theme 3: Building Resilience for Sustainable Delivery of UHC		
Chair Dr. George Mwaniki		
Rapporteur: Joan Kinya		
10:50 am	Knowledge Transition for Climate-Resilient Healthcare.	
11:10 am	Community-Led Initiatives for Health and Environment	Julius Rotich - Mama Doing Good
11:30 am	In-Kitchen Aerosol Exposure in Korogocho Informal Settlement in Nairobi	Cynthia Sitati- SEI
11:50 am	Digital Health Solutions for Disaster Preparedness.	
12:10 am	Transformative insights: The power of climate change repository in shaping health responses to changing climate	Dr. Racheal Githiomi -MOH
12:30 pm	Roundtable discussion on Health (CECs from counties)	Machakos County,
12:30-12:50 pm	Q & A session	Dr. George Mwaniki

13:00 PM – 14:00 PM	Lunch Break	
Afternoon Session		
14:00 – 5:00 PM	Sub-theme 4: Building Partnership and Collaboration and Cross-Cutting Issues	
	Chair: Dr. Philip Osano	
	Rapporteur: Gamaliel Omondi, Joan Kinya	
	Round Table Discussion on Climate-Health Partnerships for UHC	
Track 1 2:00 pm – 3:00 pm	Topic: Private Sector Engagement in Climate-Health Partnerships Panel moderator: James Wodera Panel Rapporteur: Lucy Kanyara	Panelists (Edward Muriuki- ECOSPA, Penny Murage –LSTM, Derric Muyondi - CERIOPS)
Track 2 3:00 PM – 4:00 PM	Topic: Youth Engagement in Climate and Health Advocacy. Panel moderator: Olga Mashedi Panel Rapporteur: Kevin Kimuge	Panelists (CSO, CAA- Arthur Gohole, Mama Doing Good, Kenya Forestry Service)
Track 3 4:00 PM – 5:00 PM	Topic: Academia’s Role in Shaping Climate-Smart Healthcare. Panel moderator: Dr. Jonathan Abuga Panel Rapporteur: Barbara Miheso	Panelists (NMK, KEFRI, UON, Kisii University, KEMRI, Maseno University, JKUAT, KMTC, Kabete, TUM, JFC Munene, Kisumu National polytechnic)
16:15 – 17:00 PM	Coffee Break and Networking Session	
DAY THREE: CONTINUATION OF SUB-THEMES AND CLOSING (AUGUST 30TH, 2023)		
Morning Session		
08:00 - 09:30 AM	Sub-theme 2: Environment, Climate & Health – the Science and Evidence (Continued)	
	Chair: Dr. Jane Rahedi	
	Rapporteur: Olga Mashedi,	
8:30am – 8:45 am	Climate Change Effect on the Persistence of Multi-Drug Resistant Typhoid Infections in an Endemic Setting.	Ms. Susan Kawai -KEMRI
8:45 am – 9:00 am	Impact of Climate Change on Malnutrition in Western Kenya.	Dr. Eric Muok -KEMRI
9:00am – 9:15 am	Tobacco Control in Kenya presented	Gamaliel Omondi -MOH
9:15am – 9:30 am	The Impact of Agro-chemicals, Harvesting, and Storage of Maize and Fruits on the Health of the Consumers: A Case of Selected Counties in Kenya presented	Dr. Margaret Wachu Gichuhi -JKUAT
9:30 am -9:45 am	Mental Health and climate change: The forgotten priority	Dr. Leon Ogoti -KMA
9:45 am – 10:00 am	Fungi and climate change	Olga Mashedi
10:00 am -10:15 am	NEMA presentation	NEMA
10:00 AM - 10:15 AM	Tea Break	
Morning Session (Continued)		
10:15 - 11:30 AM	Sub-theme 5: Innovations in Climate Change and Health	
	Chair: Lolem Lokolile	
	Rapporteur: Susan Kawai, Aggrey Mokaya	
10:15 am – 10:30 am	Monitoring ambient air pollution to determine patient exposure in health facilities	Ngongang Wandji -SEI
10:30 am – 10:45 am	The Role of 1 st sub-Saharan Africa air pollution Center of Excellence in the Health Sector	Gohole/ Sophie –KEMRI/ CAA

10:45 am -11:00 am	Empowering People with Technology for Domestic Energy Supply	Dominic Wanjihia
11:am – 11:15 am	Monitoring Ambient Air Pollution to Determine Patient Exposure in Health Facilities.	
11:15 am – 11:30 am	WHO Support for Sustainable Climate-Resilient Healthcare Systems: Global, Regional, and National Perspectives	Solomon Nzioka WHO
12:00 - 13:30 PM Lunch Break		
Afternoon Session		
Closing Ceremony		
13:30 – 13:40 pm	Remarks from Conference Chair	Ms. Sophie Matu
13:40 – 13:50 pm	Remarks from An Exhibitor	Representative, KCB
13:50 - 14:10 PM	Conference Summary and Recommendations	Dr. Steve Wandiga
14:10 – 14: 30 pm	Call for action	Dr. Philip Osano
14:30 – 4:00 PM	Speeches Director General, KEMRI Director General, NEMA Chairman, KEMRI Board of Directors Governor, Kwale County Principal Secretary for Public Health and Professional Standards Cabinet Secretary, Ministry of Environment, Climate Change & Forestry	Prof. Elijah Songok Mamo Boru Mamo, EBS Dr. Abdulahi Ali H.E. Fatuma Achani Mary Muthomi HSC Hon. Tuya, Roselinda Soipan
4:00 – 17:00 PM	Networking and Farewell Session	All

DNDi

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Advancing Innovation to
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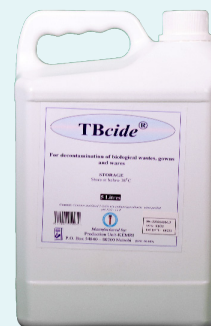
In Search of Better Health

Disinfectants



Kem-rub Sanitizer

- > Alcohol based Sanitizer
- > WHO-recommended
- > Guarantees 99% riddance of pathogens
- > Superior Quality



TB-Cide

- > Chlorine based stabilized decontaminant
5-5.6% w/v
- > Proven activity against Mycobacterium spp
- > Superior package, superior quality

Rapid Test Kits



Plasmocheck

Rapid Malaria Test Kit
Results Within 30 Mins



HEPCELL

Hepatitis Rapid Test Kit

Other Products and Services



Culture Media

- > Internationally approved
- > ISO 9001:2015 and ISO 13485:2016 conditions
- > Delivery under strict cold-chain



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Viral Transport Medium (VTM)
> 204* 3ml tubes
> 80*1ml tubes



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