



Workshop on Air Pollution and its Health Impacts in Africa

Venue: AIMS-Rwanda, KN 3 Rd, Kigali, Rwanda

Dates: 28 - 30 June 2023

Workshop Timetable

Day One (28 June 2023)		
Time	Topics	Speaker
8:30 -9:00 am	Registration at AIMS	Research Admin led Dative Tuyisenge
9:00 -9:10 am	Welcoming Remarks	Prof. Dr. Sam Yala, Centre President - AIMS Rwanda
9:10 -9:30 am	Opening Remarks	Juliet Kabera, Director General - REMA
9:30 -9:50 am	Kigali City Framework for Noise and Air Quality Monitoring Study	Jean Remy Kubwimana (AIMS - Research)
9:50 -10:00 am	Group Photo	
10:00 -10:30 am	Coffee Break	
10:30 -11:00 am	Air pollution in Rwanda; policies and Practices	Mr. Pie Celestin Hakizimana (AQ officer, REMA, Rwanda)
11:00 -11:30 am	Assessment of personal exposure to particulate matter in the wooden manufacturing industry in Kigali, Rwanda	Mr. Safari Kagabo Abdou (University of Rwanda -College of Science and Technology)
11:30 am -12:00 pm	Diurnal spatial distributions of aerosol optical and cloud micro-macrophysics properties in Africa based on Terra and Aqua MODIS satellites observations	Dr. Didier Ntwali (Rwanda Space Agency)
12:00 -12:30 pm	Particulate pollution in a West African city: case study of Ouagadougou.	Dr. Issoufou OUARMA (Université NAZI Boni/ Centre Universitaire de Banfora)
12:30 -2:00 pm	Lunch Time	
2:00 -2:30 pm	Legal and Institutional Frameworks for Effective Management of Air Pollution in Tanzania	Dr. Befrina Stephano (National Environment Management Council, Tanzania)
2:30 -3:00 pm	State of Air Pollution in Burundi	Mr. Egide NDAMUZI (University of Burundi)
3:00 -3:30 pm	Indoor air pollution in the city of Ouagadougou.	Dr. HARO Kayaba (Centre National de la Recherche Scientifique et Technologique)
3:30 -4:00 pm	Coffee Break	
4:00 -4:30 pm	Monitoring the Diurnal and Seasonal Variation of Ambient Particulate Matter (PM _{2.5}) using Low-Cost Sensors in Juja, Kenya	Ms Josephine Kanyeria Ndiangui (Jomo Kenyatta University of Agriculture and Technology)

4:30 -5:00 pm	Open Discussion	
Day Two (29 June 2023)		
9:00 -9:30 am	Health Impact Assessments and Air Pollution in the context of Urbanization and Climate Change	Dr. Meelan Thondoo (University of Cambridge, UK)
9:30 -10:00 am	From Cell to Society, how environmental pollutants jeopardize our future	Prof. Youssef Oulhote (University of Massachusetts Amherst)
10:00 -10:30 am	Air Quality and Human Health Risk Assessment in the Residential Areas	Dr. FEUYIT GILBERT (University of Yaounde I, Cameroon)
10:30 -11:00 am	Coffee Break	
11:00 -11:30 am	Air pollution and its impact in sub-Saharan Africa	Ms Mottey Barbara Elorm (University of Massachusetts Amherst)
11:30 am -12:00 pm	TBA	Prof. Raphael Arku (University of Massachusetts Amherst)
12:00 -12:30 pm	Source apportionment in Bujumbura	Mr. Elie Bimenyimana (Climate and Atmosphere Research Center, Cyprus Institute)
12:30 -2:00 pm	Lunch Time	
2:00 -2:30 pm	Source apportionment in Kenya	Mr. Leonard Kirago (Stockholm University)
2:30 -3:00 pm	DAirQ Low-Cost Gas air pollutant monitoring Device Using IoT Technology	Dr. Asinta Manyere (Dar es Salaam Institute of Technology)
3:00 -3:30 pm	Developing and implementing quality assurance protocols for low-cost sensor networks: AirQo Experience	Mr. Richard Sserunjogi (Makerere University, Uganda)
3:30 -4:00 pm	Coffee Break	
4:00 -4:30 pm	Statistical Learning Machine for Aerosol Source Apportionment in Kigali City	Mr. Gisa Murera Jean De Dieu (National Bank of Rwanda)
4:30 -5:00 pm	Open Discussion	
Workshop Dinner		
Day Three (30 June 2023)		
9:00 -9:30 am	Low Cost Sensing: Opportunities and Pitfalls for Air Quality Monitoring	Prof. Richard Peltier (University of Massachusetts Amherst)
9:30 -10:00 am	The long-term spatial and temporal distribution of aerosol optical depth and its associated atmospheric circulation over Southeast Africa	Dr. Vedaste Iyakaremye (Rwanda Meteorology Agency)
10:00 -10:30 am	Quantifying Trends of Atmospheric Pollutants Using Low-Cost and Satellite-derived Total Column Data in the Greater Accra Metropolitan Area, Ghana	Mr. James Nimo (University of Ghana)

10:30 -11:00 am	Coffee Break	
11:00-11:30 am	TBA	Dr. Allison Felix Hughes (University of Ghana)
11:30 am - 12:00 pm	Remote sensing approach for aerosol optical thickness (AOT) monitoring in relation to the road network in Lagos Metropolis, Nigeria	Prof. Rose Alani (University of Lagos, Nigeria)
12:00 - 12:30 pm	Evaluation of GEOS-CF V1.0 against Surface Observation in Accra: Fine Particulate Matter Concentration	Victoria Owusu-Tawiah (Kwame Nkrumah University of Science and Technology)
12:30- 2:00 pm	Lunch time	
2:00-2:30 pm	High spatial-temporal resolution Land Use Regression models for NO2 concentrations in Dakar, Senegal	Dr. Aissatou Faye (Virginia University, USA)
2:30- 3:00 pm	Running for Clean Air: Youth-Led Citizen Science Unleashing Urban Transformation in Cape Town, Lagos, and Accra	Dr. Monika Kamkuemah (University of Pretoria, South Africa)
3:00- 3:30 pm	Group Discussion	
3:30 - 4: 00 pm	Closing Ceremony	
Networking Coffee Break		