



**Programme**  
**World Meteorological Organization Global Atmospheric Watch**  
**Air Quality and Meteorological**  
**Prediction and Forecasting Improvement for Africa (PREFIA)**  
**First Workshop**

Kenya Meteorological Department, Nairobi, Kenya, 7 – 8 October 2019

**Day 1 - 7 October 2019**

**Chairs: Ranjeet S Sokhi and Greg Carmichael**

**09:30 Welcome**

Ms. Stella AURA, Director of Kenya Meteorological Department (KMD) and Permanent Representative of Kenya with WMO

Greg Carmichael, University of Iowa and Chair of WMO/GAW SSC

Dr Mustafa ADIGUZEL, WMO Education and Training office

**10:00 Introduction and update on PREFIA** – Ranjeet S Sokhi, University of Hertfordshire, UK, Coordinator of PREFIA and Co-Chair of WMO/GAW GURME

**10:25 UNEP Air Quality Initiatives for Africa** – Sean Khan, UNEP's Global Environmental Monitoring System Unit

**10:50 Tea and Coffee**

**11:20 Emissions developments for Africa** - Cathy Leal-Liousse, Laboratoire d'Aérodynamique, Université de Toulouse, CNRS, Toulouse, France, (Remote presentation)

**11:50 International developments** – Johannes Flemming, ECMWF Copernicus Services

**12:10 The development and needs of air quality in Africa** – Constance Okuku, Kenya Meteorological Department

**12:30 Lunch**

**13:40 Model inter-comparison update** – Mikhail Sofiev, Finnish Meteorological Institute

**14:10 Reports from Individual modelling teams** (5 - 10 min each depending on the number of presentations)

The PREFIA application of the EMEP-WRF model for Africa, Massimo Vieno, CEH Edinburgh UK

Air quality, data assimilation and source apportionment with LOTOS-EUROS, Astrid Manders, TNO

SAWS AQ modeling and forecasting: PREFIA model inter-comparison, Melaku Tesfaye, South African Weather Service (SAWS)

The MATCH model in PREFIA, Dr Cecilia Bennet, Swedish Meteorological and Hydrological Institute, SMHI, Sweden

**15:30 Tea and coffee**

**16:00 General discussion**

**17:00 Close of Day 1 proceedings**

**19:00 Joint Dinner**



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**Day 2 - 8 October 2019**

**Chairs: Ranjeet S Sokhi and Greg Carmichael**

**09:30 NASA ORACLES experiment** - Greg Carmichael, University of Iowa and Chair of WMO/GAW SSC

**10:10 Summary and discussions from Day 1 outcomes** – Ranjeet S Sokhi, University of Hertfordshire, UK, Coordinator of PREFIA and Co-Chair of WMO/GAW GURME

**10:50 Tea and coffee**

**11:20 Discussion on plans for continuation of the model inter-comparison exercise**

Air quality data requirements

Science questions for next phase

Additional partners

Time scales for data analysis

Joint journal paper

**12:30 Lunch**

**13:40 Stakeholder interaction and dissemination**

Involvement of stakeholders

Plans to disseminate outcomes of PREFIA outcomes to stakeholders

Future stakeholder events

**15:40 Tea and coffee**

**16:00 Air quality prediction and forecasting training – What is being planned** - Yang Zhang, North Carolina State University

**16:20 General discussion**

Planning for the next phase

Location and dates for the 2<sup>nd</sup> Workshop

Remaining issues

**17:00 Close of Day 2 Proceedings**