


IEc



**Addis Ababa Air Quality
Partnership
AQ Measurement
Workshop
Day 3 Intro**

Presented by Henry Roman

September 25, 2019

Overview

- Review Mission Goals
- Recap of Days 1 and 2
- Overview of Day 3 Agenda

Mission Goals

- Share knowledge of air quality measurement methods and tools
- Provide opportunities to observe and interact with working AQ measurement instruments
- Review and discuss UNEP sensor network plan and its role in AQ monitoring in Addis Ababa
- Discuss key objectives for AQ monitoring in Addis based on draft AQMP
- Discuss management of a network - maintenance, quality control, data management
- Identify next steps in planning AQ network

Day 1

- Discussed potential objectives for future AQ monitoring
 - Assessing compliance with regulatory AQ standard
 - Better characterizing “hot spots” - e.g., mercato
 - Better understanding industrial source contribution to PM
- Learned causes of combustion related air pollution and secondary pollution; how air quality monitoring helps tell a story
- Learned about UNE pilot sensor studies
- Logistics of sampling for regulatory compliance in the US
- Examined Embassy BAM

Day 2

- Nairobi pilot sensor study
 - Sensor siting decisions; examples of data/analysis
- Fusion approaches to estimating air quality surfaces for Addis
 - UNE fusion approach
 - USEPA/IEc approach
 - Emphasis on *multiple data sources/lines of evidence*
- Data gaps and opportunities to improve AQ characterization
- Interacted with sensor products at Addis stadium site
 - Relocation of stadium sensor
 - Troubleshooting Purple Air at AA EPGDC
 - New Kunak installation at AA EPGDC

Agenda - Day 3

Day 3: Wednesday (UNECA)	9:00	9:15	Review of Days 1 & 2, Overview of Day 3; Presenter Henry Roman
	9:15	10:00	Using AQ samples for source apportionment, Presenter Hannigan
	10:00	10:30	Follow-up on fused AQ surface data For Addis Presenter Khan
	10:30	10:45	Coffee Break
	10:45	12:00	Discussion Session - Designing AQ Monitoring Network for Addis: Roles/Responsibilities Purpose/Objectives Size Locations Equipment Operations and Maintenance Resources Needed to Support
	12:00	1:00	Lunch
	1:00	1:30	Data Management Goals: How to use sensor data What do you need from a data mgt system Presenter/Moderators: Pinder/Stanton
	1:30	2:00	Integration of AQ data into AQM efforts - how to motivate and promote AQ actions, engage stakeholders, Presenter/Moderator Schauer
	2:00	3:30	Working Session - Designing AQ Monitoring Network for Addis: [Previous topics, plus] Current vs Future Data Needs Chemical Analysis Reporting
	3:30	3:45	Coffee Break
	3:45	4:15	Presentation - Summary of progress towards AQ monitoring plan - head of AQ Measurement Technical Workgroup -
4:15	4:45	Next Steps and Wrap Up	

- AQ Sampling for source apportionment
- Finish fusion discussion
- Data management
- Using data to engage stakeholders
- Discuss aspects of a monitoring plan
 - Roles
 - Challenges
 - Opportunities
- Identify action items

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Thank You

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