

# IEC

## Addis Ababa Air Quality Partnership Mission Overview and Agenda

Presented by Henry Roman  
and Sean Khan

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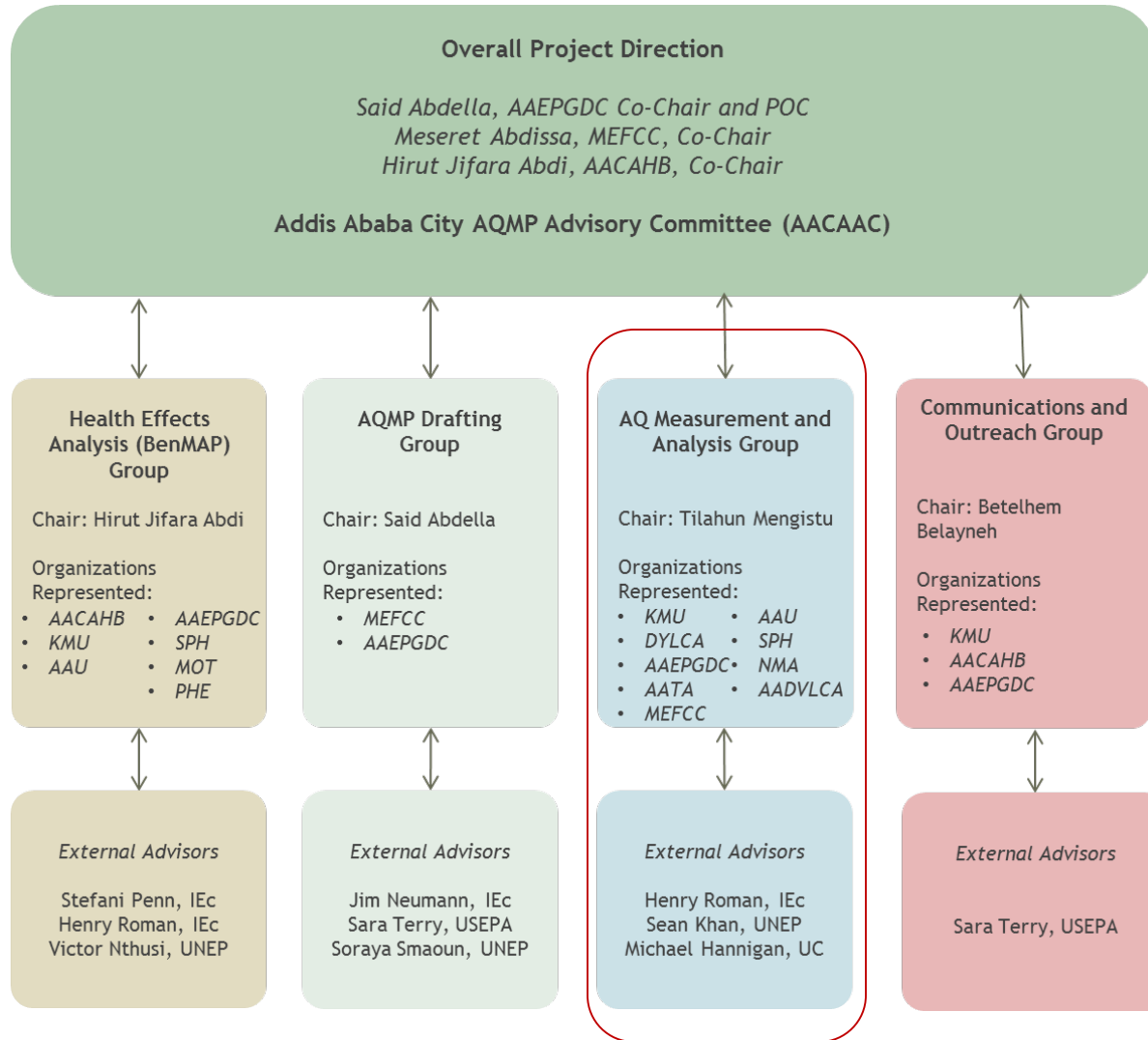
# Overview

- Partnership Objectives and Structure
- Air Quality Management Planning - reminder of overall process
- Status of project to date
- Mission Goals
- Mission Agenda
- Introductions

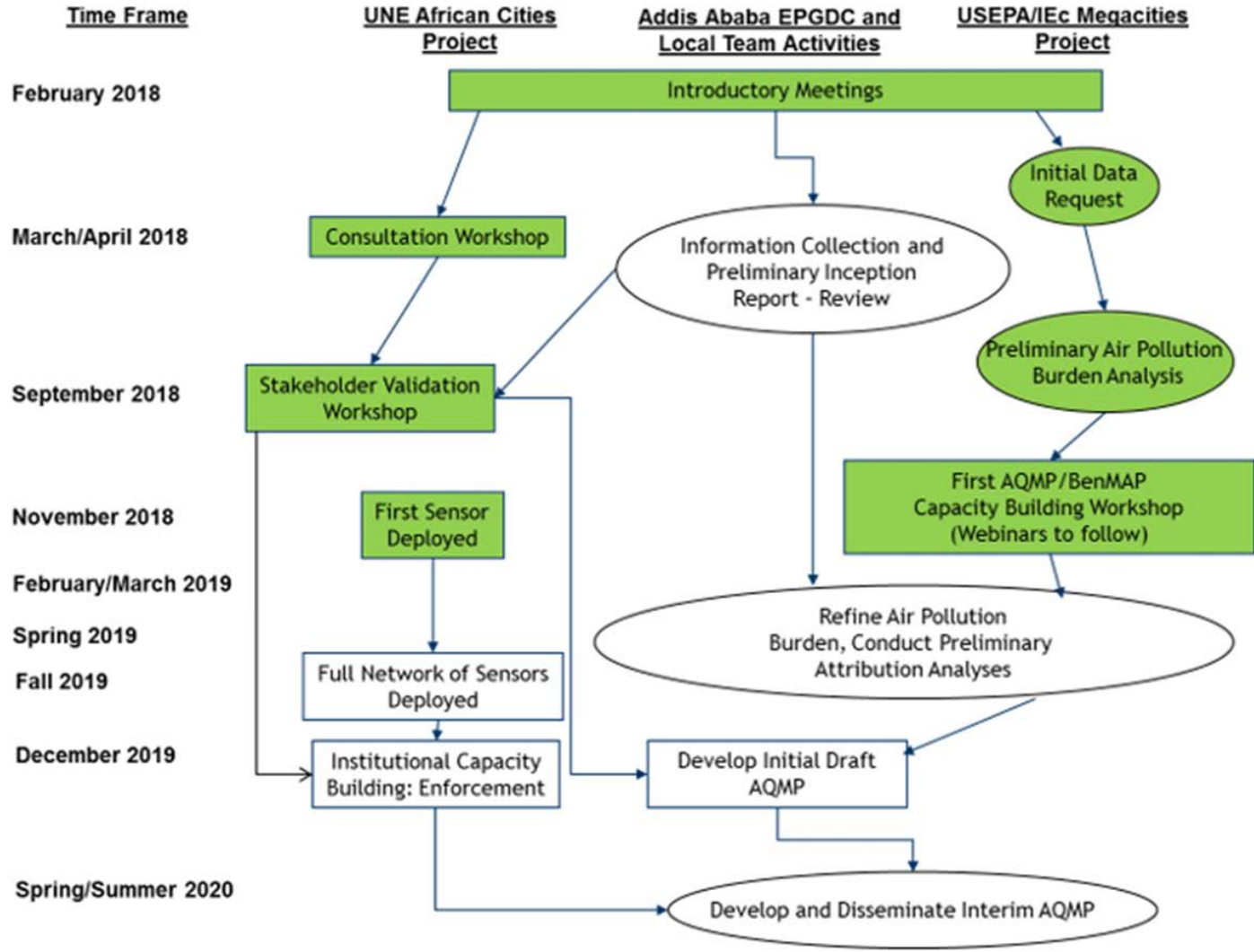
# Partnership Objectives

- *Characterize historical and current ambient PM<sub>2.5</sub>* based on the best available data.
- *Develop targets* for substantive near-term reductions in PM<sub>2.5</sub> pollution levels, identify two to four concrete actions to achieve those targets, and establish strategies for ongoing evaluation of progress to improve air quality.
- *Conduct analyses* of current air pollution health burdens and expected health gains from AQMP activities, using state-of-the-art tools and the best available scientific and economic evidence.
- *Raise awareness* by developing an effective multi-media communications plan for public and government officials and link air pollution and poor health, emphasizing both mortality impacts and the pollution-related illnesses affect adults and children in Addis Ababa.
- *Summarize needs* for critical data, equipment, and investment to implement AQMP measures, as a roadmap for future donor activity and institutional capacity building.
- *Plan to improve air quality data* with a comprehensive, cost-effective, and scientifically sound air quality monitoring network for PM<sub>2.5</sub> in Addis Ababa to assess progress and support future planning.

# Partnership Organization



# Timeline



# 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

# Agenda - Day 1

Day	Start Time	End Time	
<b>Day 1: Monday (at US Embassy)</b>	9:00	9:30	Welcome, Introductions, and Workshop Objectives (30 mins), Presenters Roman and Khan
	9:30	10:00	Megacities Project Discussion - AQ Measurement Objectives for Addis Ababa: Moderator Roman
	10:00	10:30	Air Quality Project Updates - Progress in AQMP development and Health Analysis Since Last Workshop (30 mins), Presenters Moroda and Jifara
	10:30	10:45	<b>Coffee Break</b>
	10:45	11:15	Air Quality Monitoring - Methods, Uses, Equipment, Presenter Hannigan
	11:15	11:45	Options for Use of Low-Cost Sensors for Air Quality Measurement in Addis Ababa, Presenter Khan
	11:45	12:30	Monitor Experience at the US State Level, Presenter Gabriel Ziskin
	12:30	1:30	<b>Lunch</b>
	1:30	2:15	Introduction to Monitor and Sensor Use, Presenter Hannigan
	2:30	4:30	Interactive session in US Embassy Courtyard - Examination of Embassy PM monitor and hands-on with mini-vols and Y-pods; Presenter Hannigan
	4:30	4:45	<b>Q&amp;A and Wrap Up</b>

## Legend

*Hands-on activity*

*Presentation by USEPA / UN Environment Team, and/or discussion session for all participants*

*Presentation by Addis Ababa Commission and Partners*

# Agenda - Day 2

<b>Day 2: Tuesday (at Commission (AM) and Stadium or Commission (PM))</b>	9:00	9:45	Discussion of Sensor Data So Far (45 mins), Presenter Khan		
	9:45	10:30	Next Steps for Addis Sensor Analysis (30 mins), Presenter Khan		
	10:30	11:00	Review of AQMP, Available AQ Data, and Implications for Monitor Network (30 mins), Presenter Henry Roman		
	11:00	11:45	Group Discussion of Sampling Logistics, Barriers to Use, Training Needs, Moderator Henry Roman		
	11:45	12:15	Quality Control and SOPs for Sampling (30 mins), Presenter Hannigan		
	12:15	1:15	<b>Lunch</b>		
			Group 1	Group 2	
	1:15	2:45	Working Session - Designing Small-Scale Monitoring Projects for Capacity Building - Moderator - Hannigan	Visit to Sensor site at stadium) Working session on Sensor Analysis - Khan and team	
	3:00	4:30	Visit to Sensor site at stadium) Working session on Sensor Analysis - Khan and team	Working Session - Designing Small-Scale Monitoring Projects for Capacity Building - Moderator - Hannigan	
	4:30	4:45	<b>Wrap Up (15 mins)</b>		



# Agenda - Day 3

<b>Day 3: Wednesday (UNECA)</b>	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	Presentation on low cost AQ sensors to be deployed in Addis Presenter Representative from Kunak
	10:30	10:45	<b>Coffee Break</b>
	10:45	12:00	Working Session - Designing AQ Monitoring Network for Addis:  Purpose/Functions Size Locations Equipment Operations and Maintenance Resources Needed to Support
	12:00	1:00	<b>Lunch</b>
	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	<b>Coffee Break</b>
	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	

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Thank You

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