

PM_{2.5} source apportionment using PM_{2.5} components data – Joint Capacity Building through EANET and SATREPS

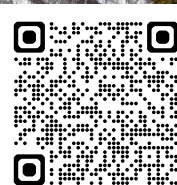
Onsite and Online

1 - 5 December 2025

12:00 - 14:00 (UTC +7:00)

Registration from HERE ►

https://us06web.zoom.us/webinar/register/WN_tMuvAlOZQhqp_BZghCmgIA



Background

- EANET is a regional initiative in East Asia focused on monitoring acid deposition and air pollution. Recognizing the growing concern over PM_{2.5}, EANET expanded its scope and launched Project 2025-01 to develop standardized methodologies for PM_{2.5} measurement, source apportionment, and capacity building among member countries.
- In Cambodia, a related air pollution research project began in 2021 under the SATREPS program, supported by JICA and JST. Led by Kanazawa University and the Royal University of Technology in Cambodia, the project provides instruments and training for PM_{2.5} monitoring and chemical analysis, aiming to build local technical capacity.
- To support the activities in SATREPS program, the joint training program offers lectures and hands-on sessions, focusing on Positive Matrix Factorization (PMF) and interpretation of source indicators.
- The training program fosters collaboration between SATREPS and EANET, promoting regional knowledge exchange and harmonization of PM_{2.5} analysis techniques. Online participation from EANET member countries enhances mutual learning and contributes to sustainable air quality management across East Asia.

Objectives

- To foster regional collaboration and technical harmonization by integrating the experiences and knowledge from SATREPS into the broader EANET framework
- To provide the opportunity improving PM_{2.5} measurement techniques, building the technical capacity across East Asia and supporting the regional initiatives.
- To learn the methodology of PM_{2.5} source apportionment, through deepening the knowledge of source indicators and learning the theory and practical application of Positive Matrix Factorization (PMF).



Program

December 1st

**Time (UTC+7
Bangkok time)**

Agenda and Panelist

**On-site/
Hybrid**

8:00 - 8:15

Opening Remarks

- Dr. Mitsuhiro Hata
- Dr. Peng Chanthol
- Dr. Toshimasa Ohara

On-site

8:15 – 10:00

Discussion on research in
Cambodia

- Cambodia members

On-site

12:00 – 14:00

Outline of SATREP Project in
Cambodia

- Dr. Mitsuhiro Hata
- Introduction of EANET and
relation to Mekong sub-region
- Dr. Fan Meng

Hybrid

December 2nd

**Time (UTC+7
Bangkok time)**

Agenda and Panelist

**On-site/
Hybrid**

7:00 – 14:00

Ion analysis using PM2.5 roll tape

- Dr. Fumikazu Ikemori
- Dr. Akie Yuba

On-site

December 3rd		
Time (UTC+7 Bangkok time)	Agenda and Panelist	On-site/ Hybrid
8:00 – 10:00	Ion chromatography data check Dr. Akie Yuba	On-site
12:00 – 13:30	Lecture of overview of source indicators for Positive Matrix Factorization (PMF) analysis - Dr. Keiichi Sato - Dr. Fumikazu Ikemori	Hybrid

December 4th		
Time (UTC+7 Bangkok time)	Agenda and Panelist	On-site/ Hybrid
8:00 – 14:00	Lecture of Methodology of PMF analysis / Practice of PMF analysis using demo data - Dr. Keiichi Sato - Dr. Fumikazu Ikemori	Hybrid

December 5th		
Time (UTC+7 Bangkok time)	Agenda and Panelist	On-site/ Hybrid
7:00 – 10:00	Wrap up	On-site
12:00 – 14:00	Introduction to techniques for early detection and prediction of haze - Dr. Yusuke Kiriyaama Lecture of VOC project under EANET - Dr. Mungqun Huo	Hybrid