



EANET

Acid Deposition Monitoring Network in East Asia

25 YEARS • 2001–2026

Advancing **Cleaner Air** Across East Asia

EANET — General Introduction

Regional cooperation through science, monitoring, and capacity building for a healthier atmospheric environment.

eanet.asia



OVERVIEW

What is EANET?

EANET is an intergovernmental regional network established in 2001. For over two decades, its 13 Participating Countries have built a coordinated, standardized monitoring system and scientific exchange platform to tackle acid deposition together.

In 2021, Participating Countries agreed to expand EANET's scope beyond acid deposition to the **wider atmospheric environment** — including fine particulate matter (PM_{2.5}), surface ozone, and their precursors. The new Medium-Term Plan (2026–2030), approved by the Twenty-seventh Intergovernmental Meeting in November 2025, is the first to fully reflect this expanded mandate.

13

Participating Countries

64+

Reference-Grade
Monitoring Sites

25+

Years of Open Data

135+

Peer-Reviewed Papers
(2024–25)

United Nations Environment Assembly Resolution 6/10

Promoting regional cooperation on air pollution to improve air quality globally

- ✓ Acknowledges progress made so far
- ✓ Encourages Member States and their partners to accelerate efforts
- ✓ Invites further regional cooperation, financing, and goal-setting

Requests UNEP to:



Provide an updated global online platform for information sharing and communication



Form and facilitate a cooperation network on air quality

2014

● **UNEA Resolution 1/7**

Strengthening the role of UNEP in promoting air quality

2018

● **UNEA Resolution 3/8**

Preventing and reducing air pollution to improve air quality globally

2019

● **UNGA Resolution 74/212**

International Day of Clean Air for blue skies

2022

● **UNGA Resolution 76/300**

The human right to a clean, healthy, and sustainable environment

2024

● **UNEA Resolution 6/10**

Promoting regional cooperation on air pollution to improve air quality globally

PURPOSE

EANET's Objectives



Build Common Understanding

Create a shared, science-based picture of the state of air pollution and atmospheric deposition across East Asia.



Inform Decision-Making

Give decision-makers at local, national, and regional levels evidence-based inputs to prevent or reduce air pollution.



Strengthen Cooperation

Increase cooperation among Participating Countries on air pollution and atmospheric deposition issues.

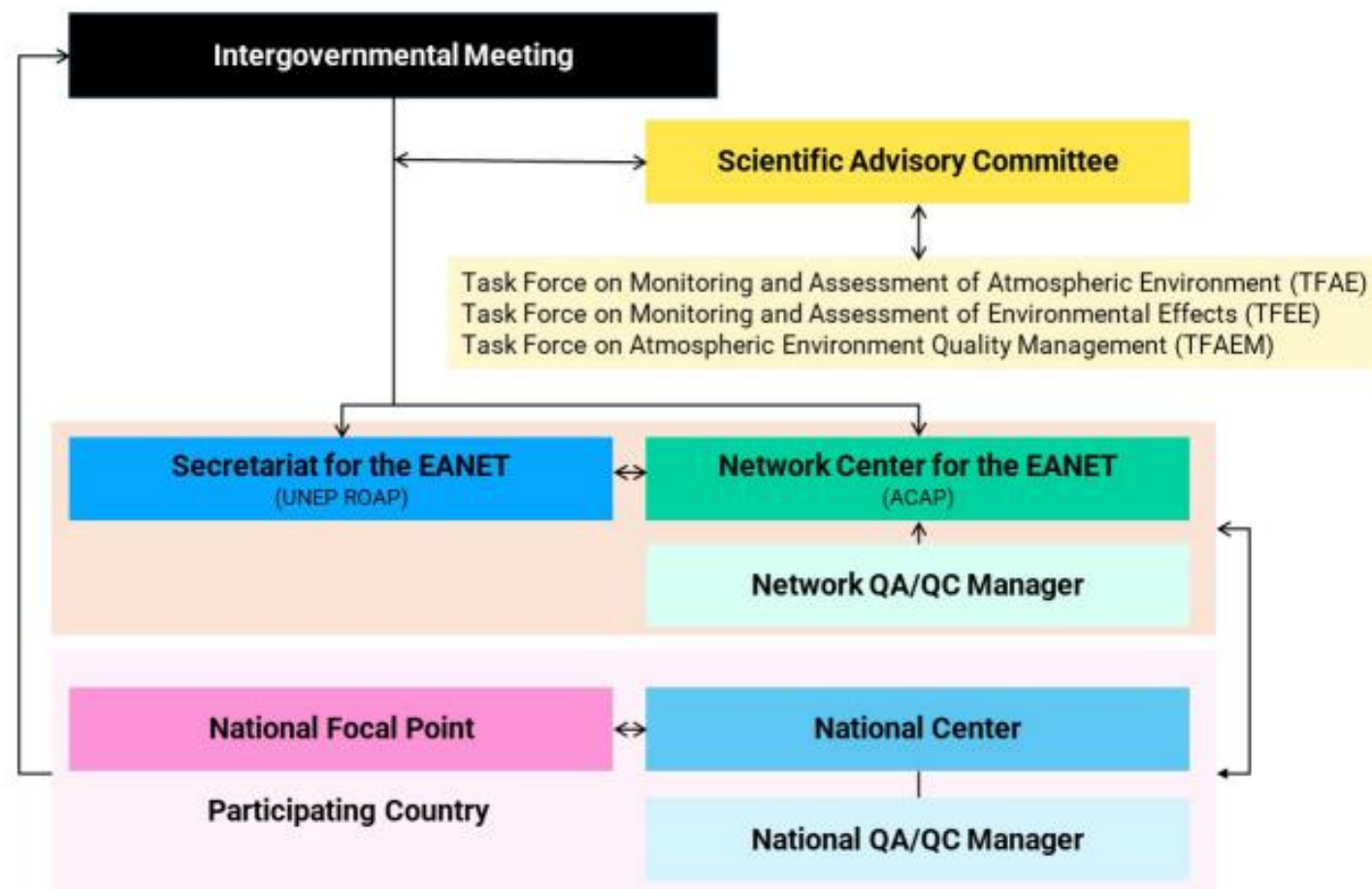
Organizational Structure



The Twenty-seventh Intergovernmental Meeting (IG27) on the EANET, Bangkok, Thailand, November 2025.



The Twenty-fifth Scientific Advisory Committee Meeting (SAC25) on the EANET, Vientiane, Lao PDR, October 2025.



MEMBERSHIP

13 Participating Countries

EANET's Participating Countries work together, each operating national monitoring sites that feed into the shared regional picture.



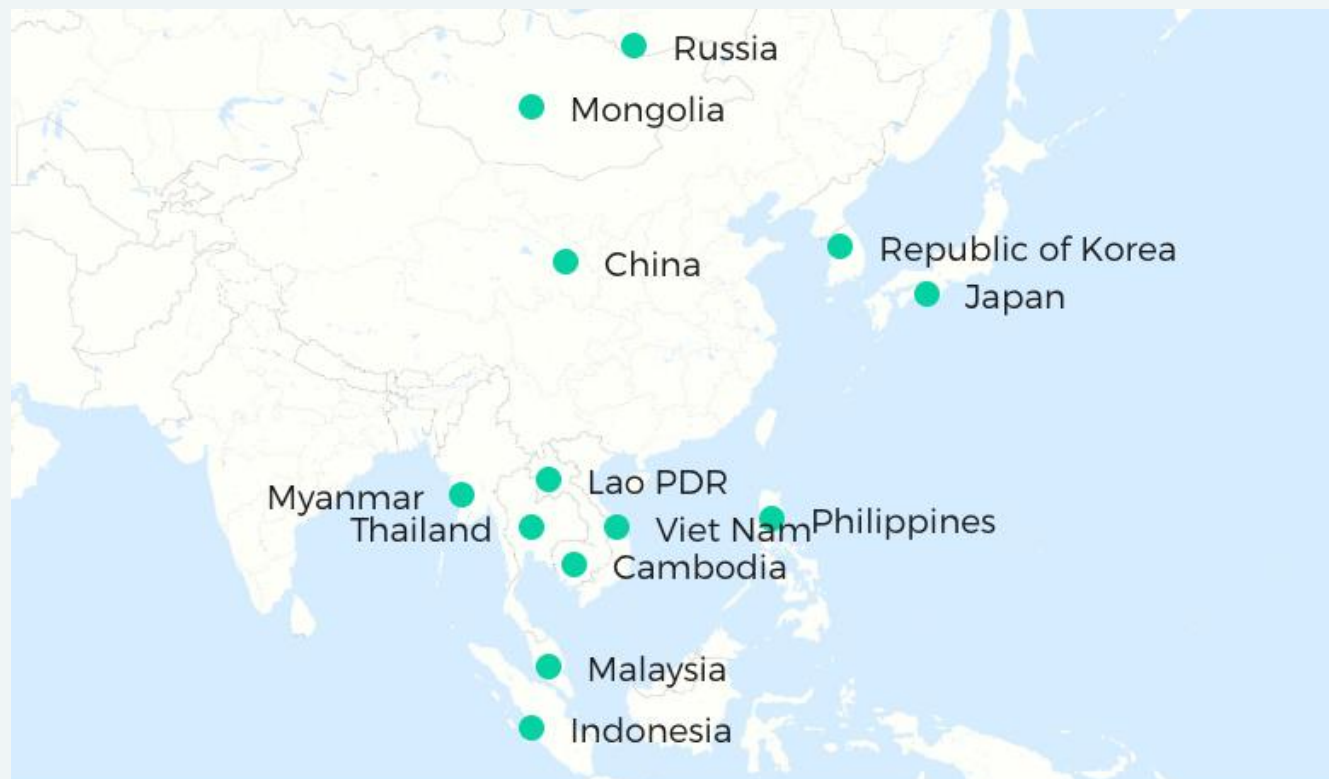
Secretariat

UNEP Asia and the Pacific Office



Network Center

Asia Center for Air Pollution Research (ACAP)



ACHIEVEMENTS

Coordinated Monitoring Network

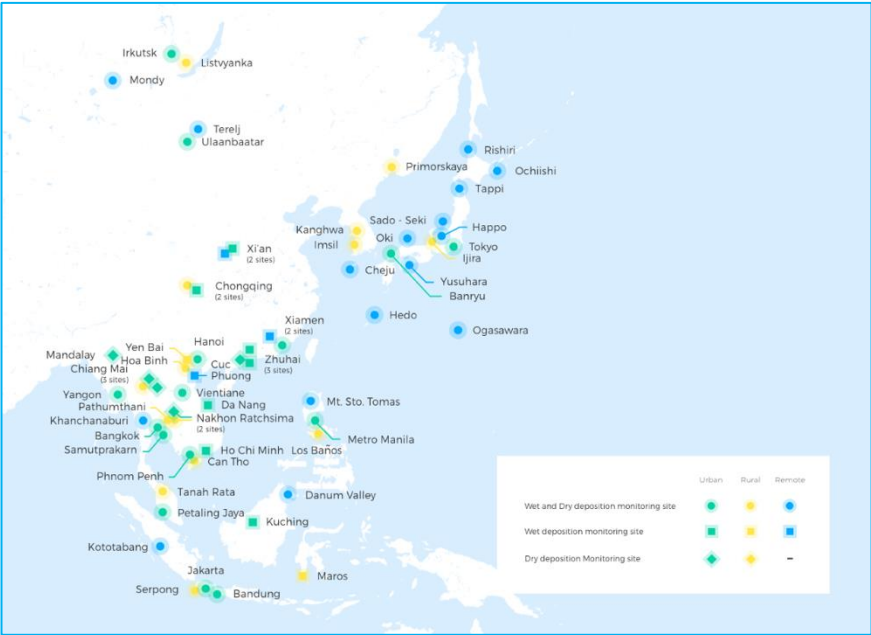
A coordinated regional monitoring network has been successfully established and operating for more than two decades across EANET's 13 Participating Countries.



Deposition Monitoring Sites

61
Wet deposition sites

54
Dry deposition sites



Ecological Impacts Monitoring Sites

20
Soil and vegetation monitoring areas

19
Inland aquatic lakes / rivers

2
Catchment sites



HOW WE WORK

From Data to Policy

*Aligned with **EANET's Medium-Term Plan (2026–2030)**, the network strengthens the science–policy interface to support evidence-based air quality management across the region.*



Monitoring

Generate trusted data

A regional monitoring network using harmonized methodologies and QA/QC systems produces long-term, comparable datasets.



Data

Turn data into knowledge

Data Reports, technical documents, and scientific assessments build understanding of air pollution and its impacts.



Knowledge

Build regional capacity

All 13 Participating Countries engage in inter-laboratory collaboration, training, fellowships, and technical support missions.



Policy

Support policy & cooperation

Long-term datasets support national and regional assessments and more than two decades of intergovernmental dialogue.

LOOKING AHEAD

Medium-Term Plan 2026–2030

Approved by the **Twenty-seventh Intergovernmental Meeting** (27–28 November 2025), the Fifth MTP is the first to fully reflect EANET's expanded scope — covering PM2.5, surface ozone, nitrogen oxides (NO_x), ammonia (NH₃), and VOCs alongside atmospheric deposition. It sets three main outcomes for 2026–2030:

1

Strengthened Monitoring

Understanding of air pollution and atmospheric deposition in East Asia is built through strengthened monitoring of PM2.5, surface ozone, NO_x, and NH₃.

2

Evidence-Based Policy

Decision-makers at local, national, and regional levels have increased access to evidence-based, policy-relevant information.

3

Increased Cooperation

Cooperation on air pollution and atmospheric deposition issues in the priority areas across East Asia is increased.

IN PRACTICE

EANET Project Fund

Introduced in 2021, the EANET Project Fund brings flexibility to pilot new activities within EANET's scope, guided by the the Medium-Term Plan (2026–2030).

40+

Projects (2022–2026)

~\$1.8M

Mobilized (2022–26, incl. in-kind)



Nitrogen & Ecosystems



Surface Ozone & VOCs



**Capacity Building &
Policy Support**



**PM2.5 & Pollution
Sources**



Monitoring & Innovation

PEOPLE

Capacity Building Support

Supporting monitoring and general air quality management across Participating Countries through training, missions, and outreach.

40

EANET Fellows since
2005

142

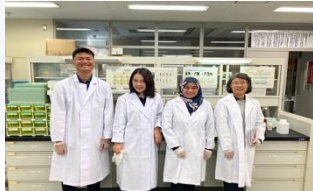
Government officials
trained in person since
2001

2,270+

People reached
through outreach
workshops since 2001

5–10

Technical missions &
capacity-building
activities per year



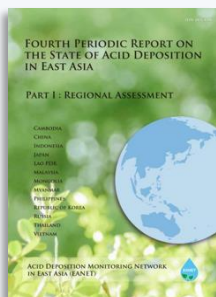
KNOWLEDGE PRODUCTS

Latest Key Publications & Guidance

EANET's science is made public through periodic regional assessments, annual data reports, and – most recently – new operational guidance on hybrid monitoring.



www.eanet.asia/publications/



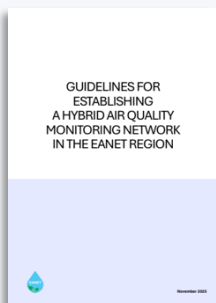
PRSAE – Periodic Report on the State of Atmospheric Deposition in East Asia (former PRSAD)

EANET's flagship assessment series. PRSAD4 (2022) synthesized two decades of data across a Regional Assessment, National Assessments, and an Executive Summary. PRSAD5, aligned with the MTP (2026–2030), is now in preparation.



EANET Data Report (Annual)

Monitoring results are compiled, verified, and published every year, reflecting updated monitoring targets and indicators across the network.



Guidelines for Establishing a Hybrid Air Quality Monitoring Network (HAQMN)

New strategic guidance (2026) for policymakers and planners on integrating Low-Cost Sensors (LCS) with reference-grade monitors – expanding coverage without compromising data quality.



Technical Manual for Hybrid Air Quality Monitoring with Low-Cost Sensors

New operational guidance (2026) for technicians and practitioners, covering LCS deployment, maintenance, and QA/QC procedures, developed under EANET Project 2023/03.



Indonesia and the EANET – Key Highlights

Indonesia has been an active Participating Country since 1998, in the preparatory phase of the EANET, contributing more than two decades of monitoring data and regional engagement.

1998

Participating Country
since

27

IG meetings attended

25

SAC meetings attended

26

Officials trained (2002–
2025)

4

EANET Fellows (since
2005)



National Focal Point

Air Pollution Control Department,
Ministry of Environment and Forestry
(since 2021).



Key Publication

Indonesian data featured in PRSAD4
(2021), co-authored with Indonesia's
BMKG agency.



Continued Benefits

Capacity building on VOCs, low-cost
sensors and emission inventories via
the EANET Project Fund (since
2021).



Work With Us

Access monitoring data • Join capacity building • Support policy development • Engage in regional cooperation

Secretariat

UNEP Asia and the Pacific, Bangkok

Network Center

ACAP, Niigata, Japan

Website

eanet.asia

eanetsecretariat@un.org • eanet@acap.asia