

Strengthening Cooperation and Capacity Building Prospects - EANET

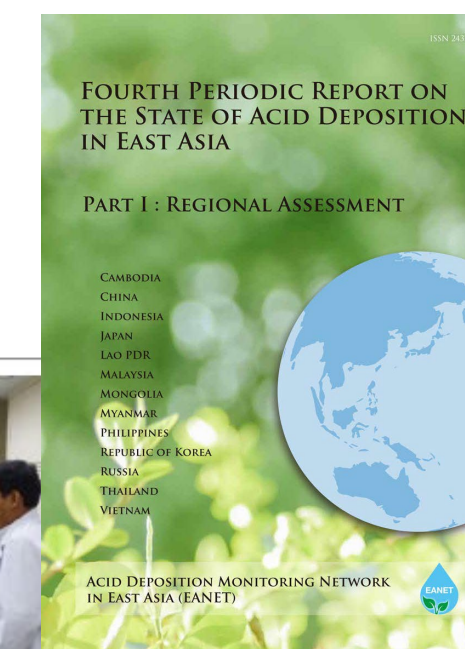
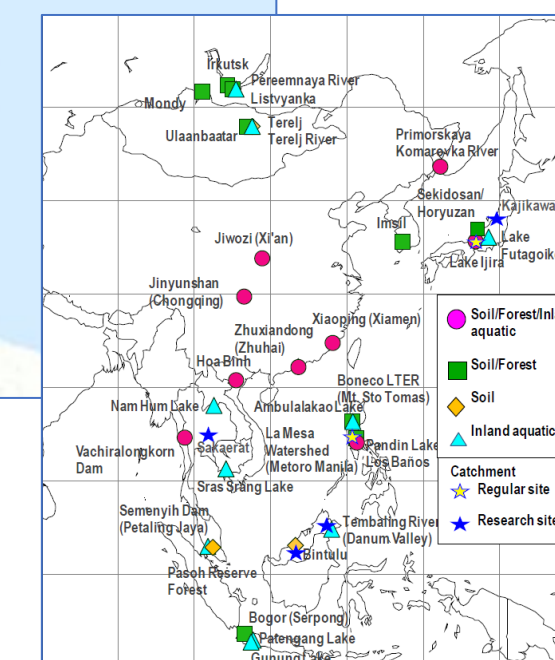
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NEACAP National Workshop on Air Quality Management in Mongolia
Ulaanbaatar, Mongolia
24 September 2025



ACID DEPOSITION MONITORING NETWORK IN EAST ASIA (EANET)

- **About EANET:** Established in 2001 as an intergovernmental initiative to create common understanding on state of acid deposition problem in East Asia, provide scientific-based reference for governmental decision-making process, and encourage cooperation.
- **Major activities:** acid deposition and air pollution monitoring, data compilation and analysis, quality control & assurance, technical support & capacity building, research, public awareness, and cooperation & information exchange with other initiatives.
- **Expanded scope:** IG23 in 2021 approved expansion of scope (included atmospheric environment related substances) and EANET project fund mechanism.
- EANET is developing its next Medium-Term Plan 2026 to 2030 -> for consideration at the IG27 in November 2025



● EANET Training at the Network Center



● Scientific Advisory Committee

Coordinated Monitoring Network

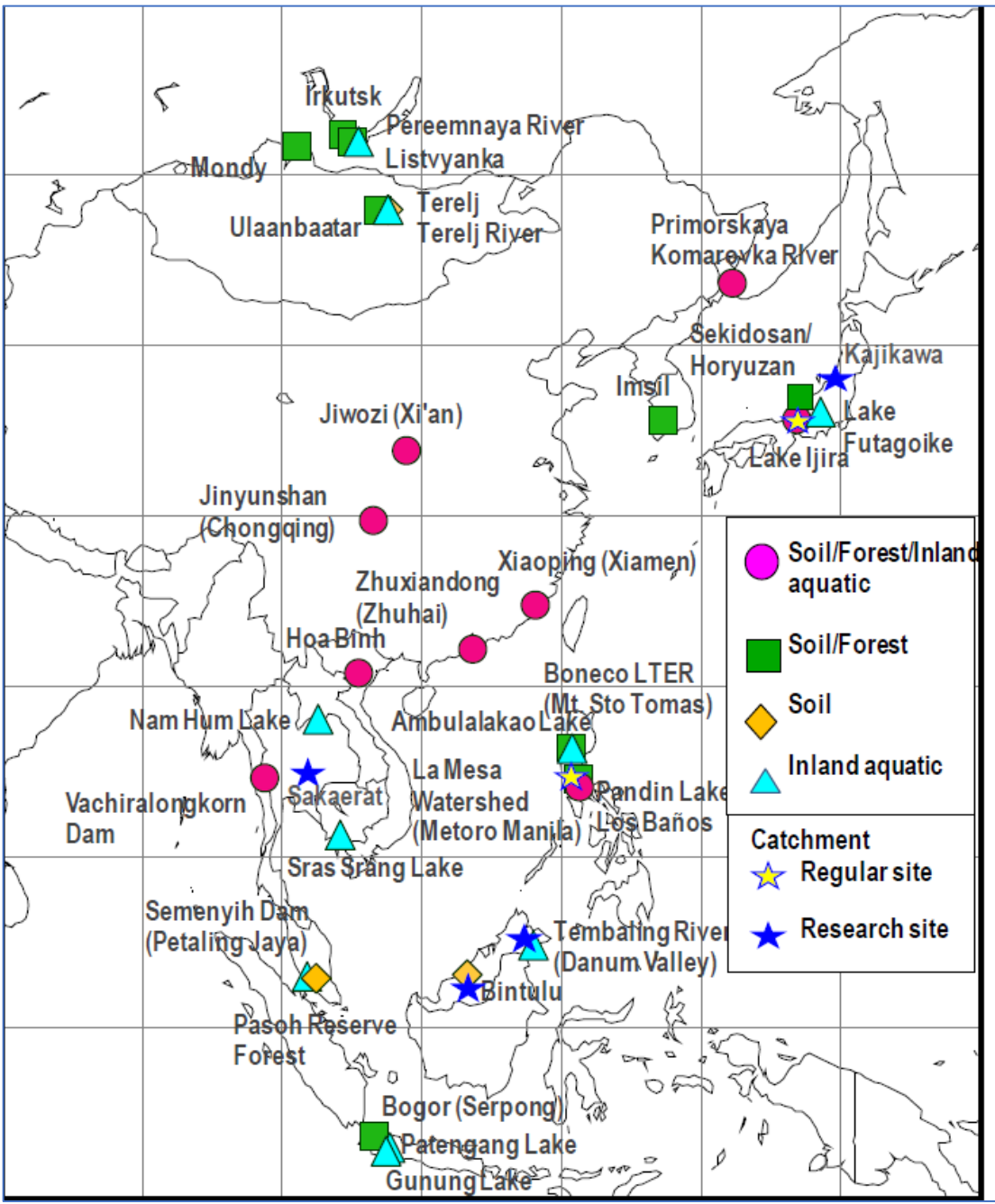
Deposition Monitoring Sites



Successfully established and operating monitoring network for almost 25 20 years



Ecological Impacts Monitoring Sites



- Wet deposition: 61 sites
- Dry deposition: 54 sites

- Soil and vegetation monitoring: 20 areas
- Inland aquatic environment: 19 lakes/rivers
- Catchment: 2 sites

High Quality Datasets and Regional Assessments



Public/index

MENU

Data Report / Monitoring System

Data Report

Acid Deposition Monitoring Network in East Asia (EANET)

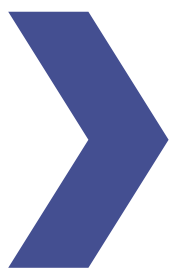
2003 2004 2005 2006 2007 2008 2009

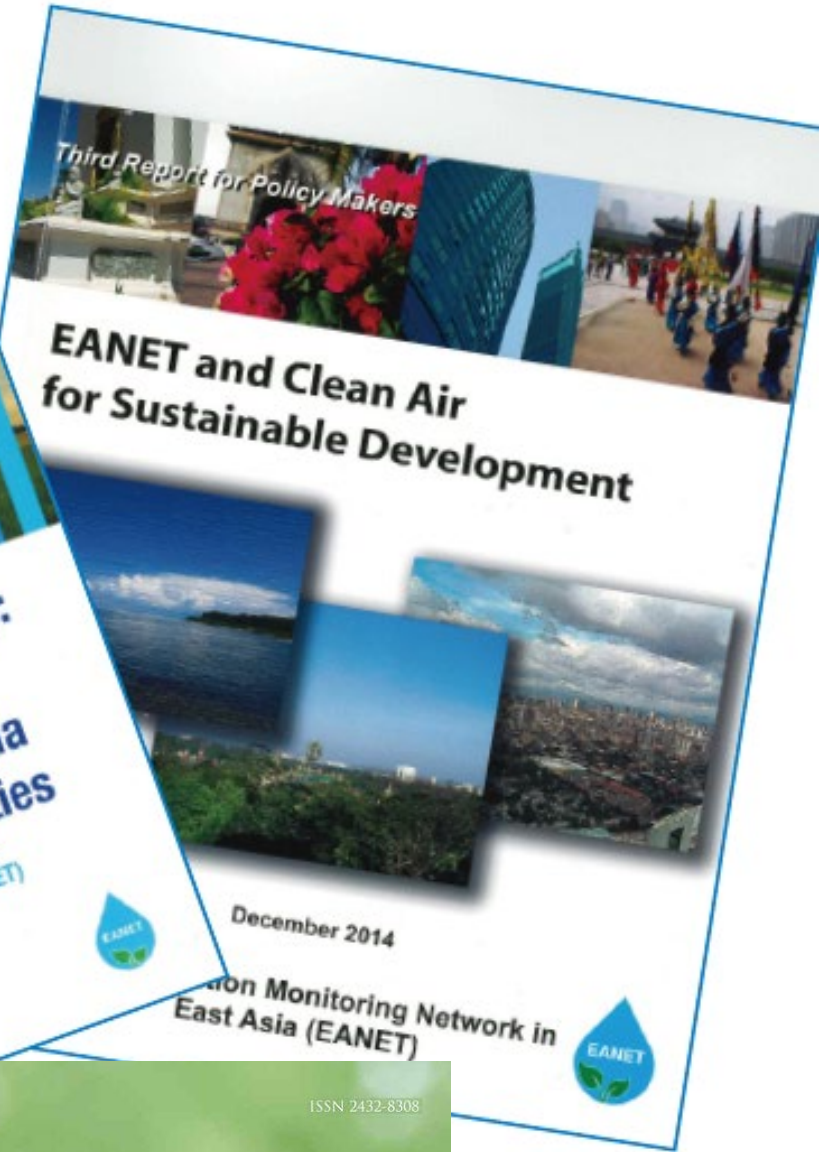
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

Title	Update	Size	Kind	Downloads
Dry Monthly 2020	08/08/2022	390 KB	Microsoft Excel Worksheet - xlsx	
Catchment 2020	24/03/2022	30 KB	Microsoft Excel Worksheet - xlsx	
Data Report 2020	24/03/2022	141 MB	Adobe Acrobat Document - pdf	
Dry Deposition Amounts 2020	24/03/2022	57 KB	Microsoft Excel Worksheet - xlsx	

EANET Data Report

Download Registration





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FOURTH PERIODIC REPORT ON THE STATE OF ACID DEPOSITION IN EAST ASIA

PART I : REGIONAL ASSESSMENT

CAMBODIA
CHINA
INDONESIA
JAPAN
LAO PDR
MALAYSIA
MONGOLIA
MYANMAR
PHILIPPINES
REPUBLIC OF KOREA
RUSSIA
THAILAND
VIETNAM



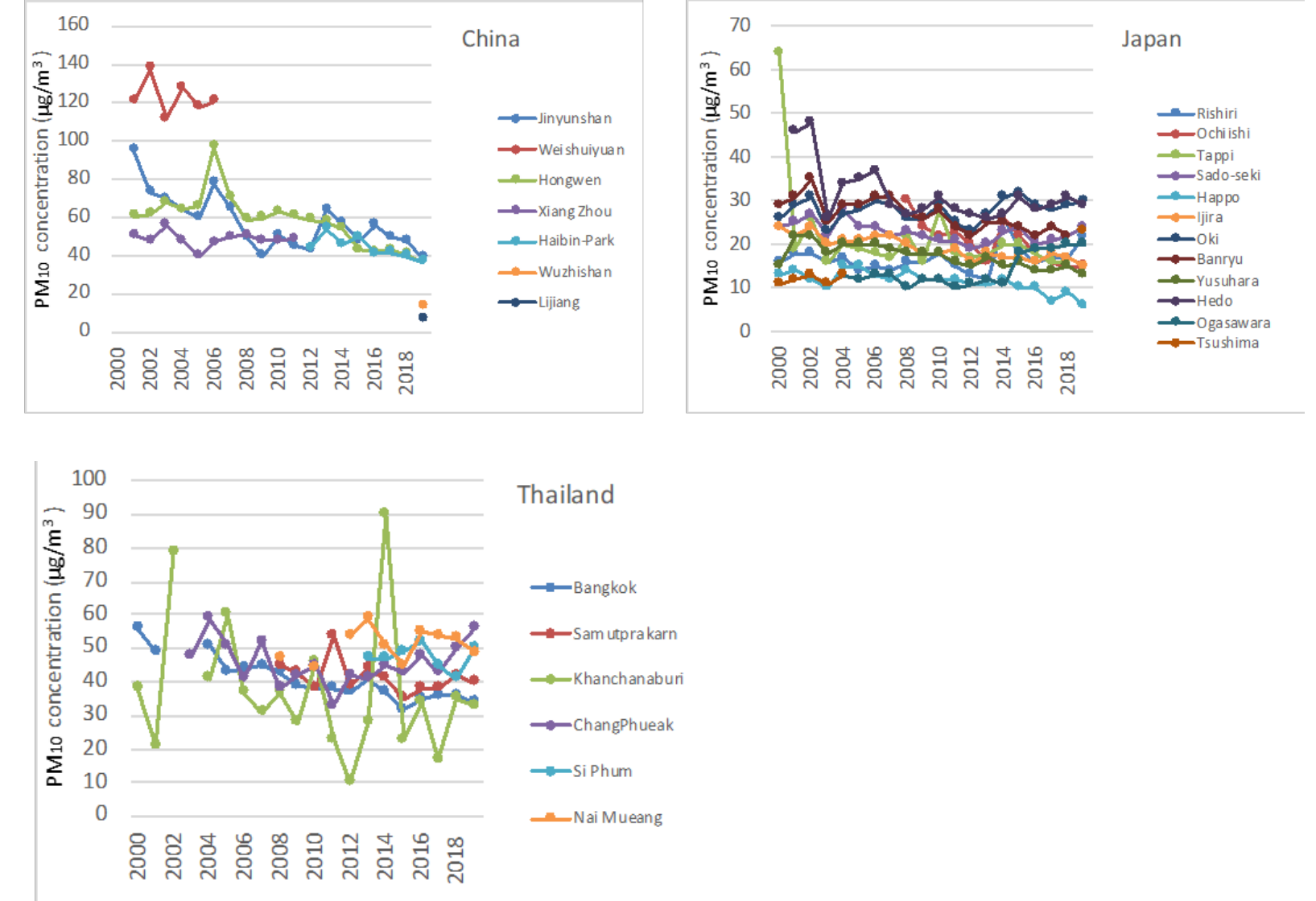
ACID DEPOSITION MONITORING NETWORK IN EAST ASIA (EANET)



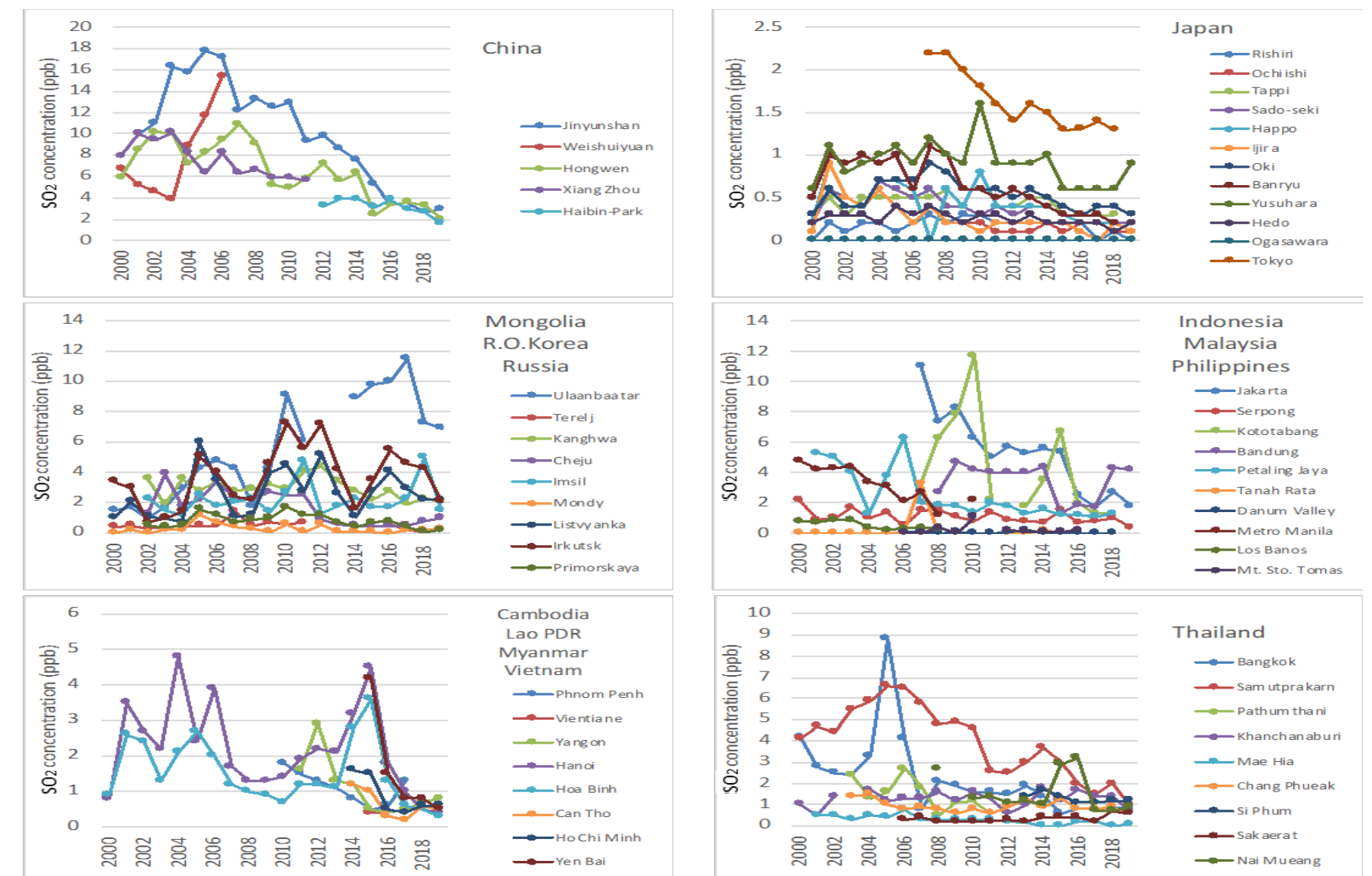
Trend of 20 Years: SO₂ and PM₁₀ at EANET sites

- SO₂ related air pollution and acid deposition improved, especially in NEA, especially China in recent years. PM and sulfur problems in SEA may need more attention
- No declining trend of PM₁₀ and PM_{2.5} in some countries. Ulaanbaatar of Mongolia, Jakarta of Indonesia, Hoa Binh of Vietnam reported high PM₁₀ concentration
- 2000-2019 data showed: NO_x and O₃ pollution still at high level. Trend of increasing O₃ concentration in some countries.

Annual variation of PM₁₀, 2000-2019



Annual average of SO₂, 2000-2019



Capacity building support on monitoring and general air quality management

- 40 EANET Fellows since 2005
- 142 government officials increased their knowledge and capacity on Air Quality Management trained in person since 2001
- 2,270+ reached through awareness raising national and regional workshops, increasing public understanding on acid deposition and air pollution since 2001
- 5–10 technical missions and capacity building activities conducted yearly



Public awareness activities
at the Network Center



EANET Training at the Network
Center



Network Center technical
mission



Support to participating
countries (Senior Technical
Managers' Meeting)



EANET Project Fund mechanism

EANET is in its fourth year of implementing the EANET Project Fund mechanism

- So far, projects have focused on:



Capacity
building



Research
activities



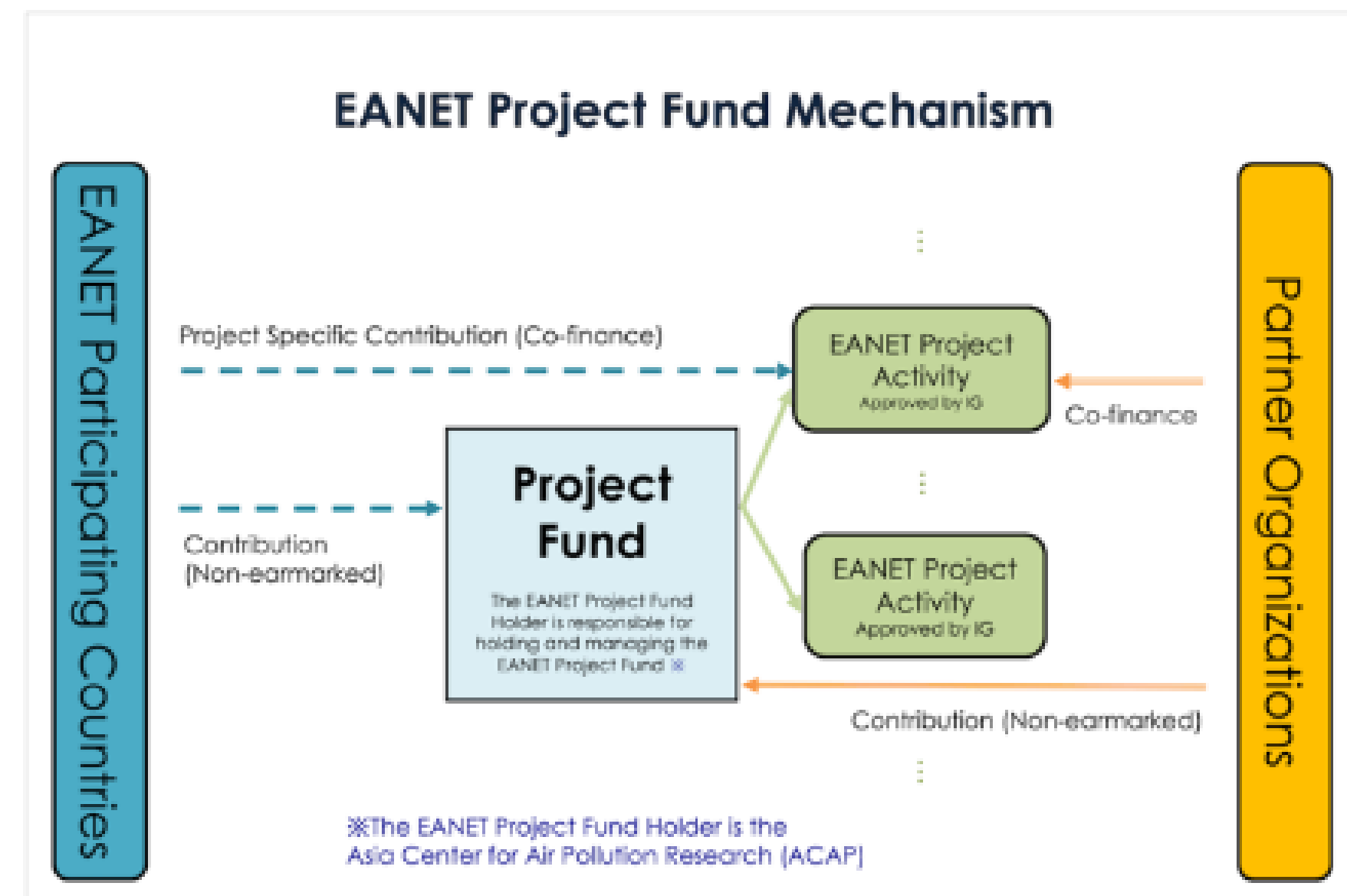
Public
awareness



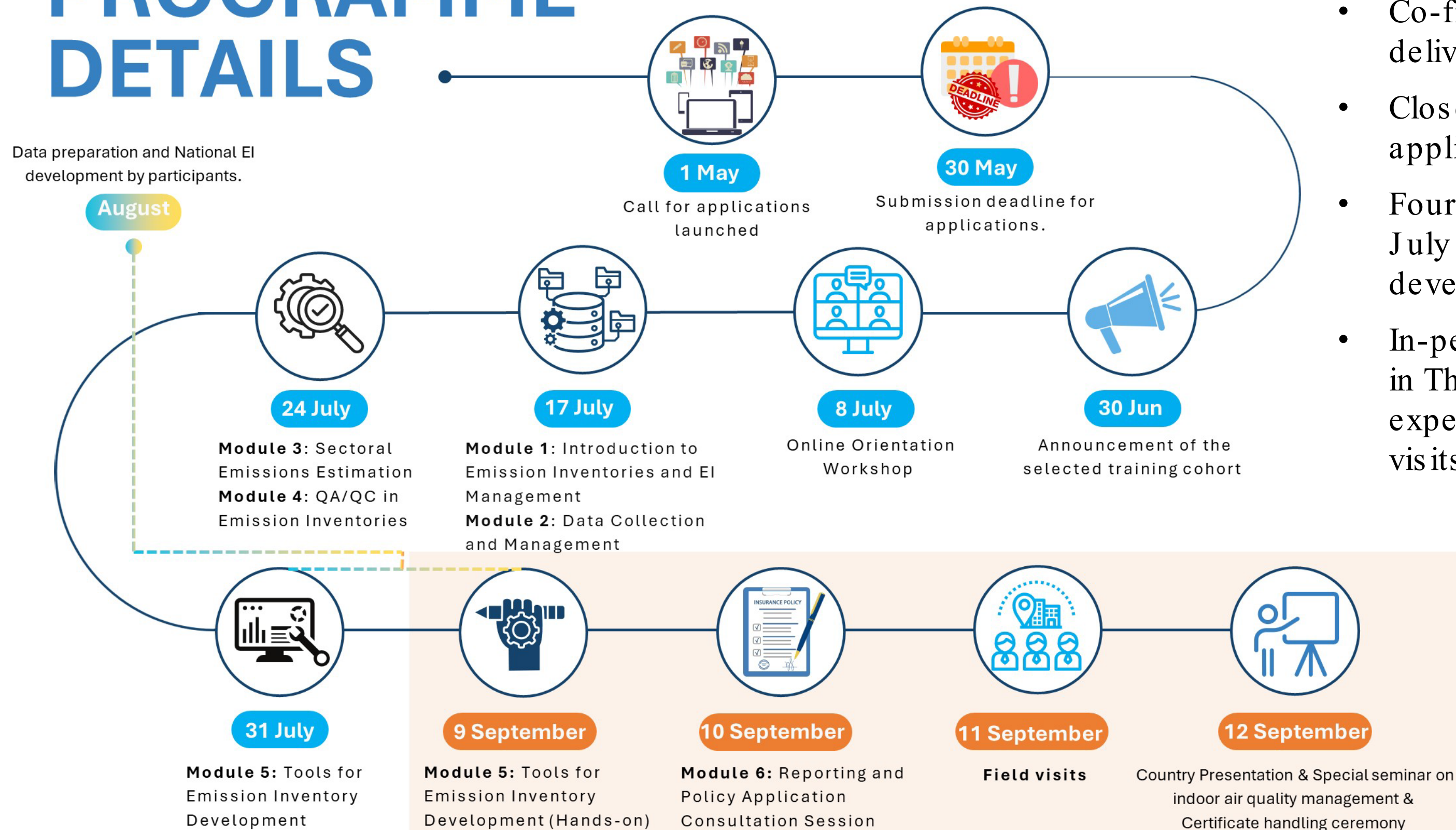
Monitoring
activities

- Topics covered: nitrogen management, VOCs, innovative technologies including LCS and satellite monitoring, and understanding effects of air pollution and atmospheric deposition on ecosystems, emissions inventory, and source apportionment, etc.

- 2022 to 2024: around 30 projects implemented with roughly US\$ 1.2 million allocated through EANET Project Fund and its co-financing.
- 2025: 8 projects under implementation



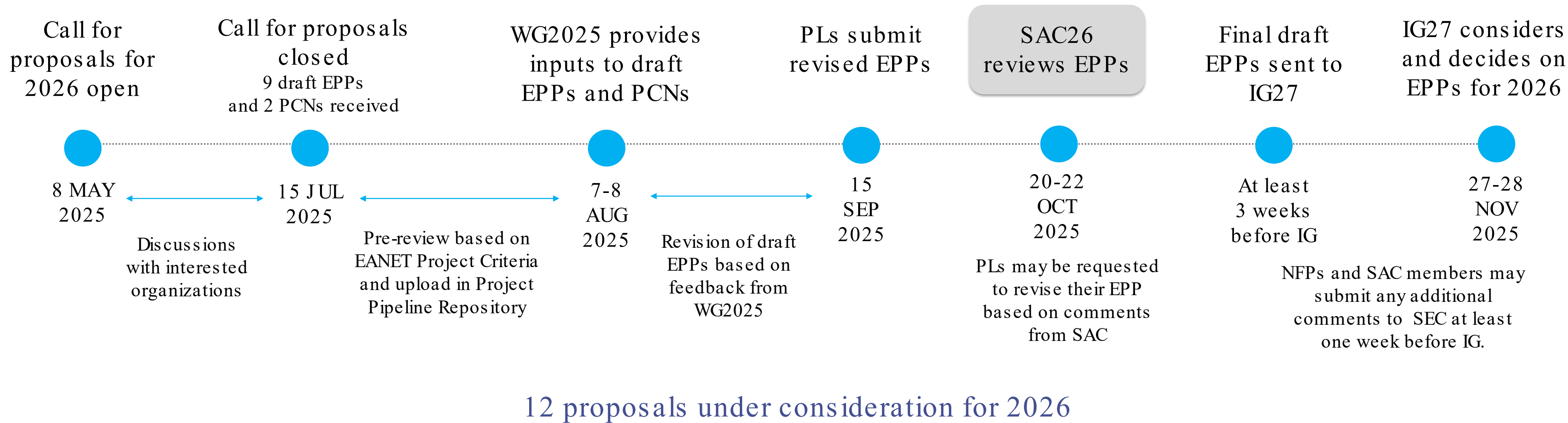
PROGRAMME DETAILS



- Implemented by UNEP and AIT
- Co-financing secured from MEK and AIT to deliver capacity building
- Close to 700 applications received and 30 applicants selected
- Four online training sessions completed in July to provide foundational knowledge on EI development
- In-person workshop on 9-12 September 2025 in Thailand to provide hands-on training, expert consultation, EI development and site visits.



Overview: EANET Project Preparation and Approval Process



For detailed information, please refer to the EANET Project Fund and Project Guidelines (2024).
<https://www.eanet.asia/project-fund-and-project-guideline/>

UNEP'S MEDIUM-TERM STRATEGY 2022—2025: ON THE ROAD TO 2030

Air quality target: ‘By 2025, 30 per cent of the world’s population live in areas where WHO Air Quality Interim Target 3 ($15\mu\text{g}/\text{m}^3$) for outdoor PM_{2.5} (fine particulate matter) is attained’.

FOCUS OF UNEP'S INTERVENTIONS ON AIR QUALITY

POLICY AND REGULATORY WORK



Ongoing support to
Thailand, Cambodia,
Lao PDR, India, Sri Lanka

SCIENCE AND INCREASED EVIDENCE



ADVOCACY AND NETWORKS



Asia Pacific Regional Forum on
Health and Environment (APRFHE)

PARTNERSHIPS AND RESOURCE MOBILIZATION



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:



to provide an updated global online platform for information sharing and communication



to form and facilitate a cooperation network on air quality

2024

2022

UNGA Resolution 76/300
The human right to a clean,
healthy and sustainable
environment

2019

UNGA Resolution 74/212
International Day of Clean
Air for blue skies

2018

UNEA Resolution 3/8
Preventing and reducing air
pollution to improve air
quality globally

2014

UNEA Resolution 1/7
Strengthening the role of the
United Nations Environment
Programme (UNEP) in
promoting air quality

Clean Air Week

24 - 28 November 2025 | Bangkok, Thailand

UNEP and partners, including UNESCAP, WHO, GIZ, ICIMOD and Clean Air Fund, will organize the 2025 Clean Air Week from 24-28 November 2025 in Bangkok, Thailand.

This week-long event brings together governments leaders, experts, private sector and civil society in a series of events focused on solutions for air quality and facilitating dialogue and cooperation in the Asia Pacific region.

<https://www.unep.org/events/unep-event/clean-air-week>

Mongolia Safer and Cleaner Vehicles Workshop,

8–10 October 2025 | Ulaanbaatar, Mongolia

Thank you!