

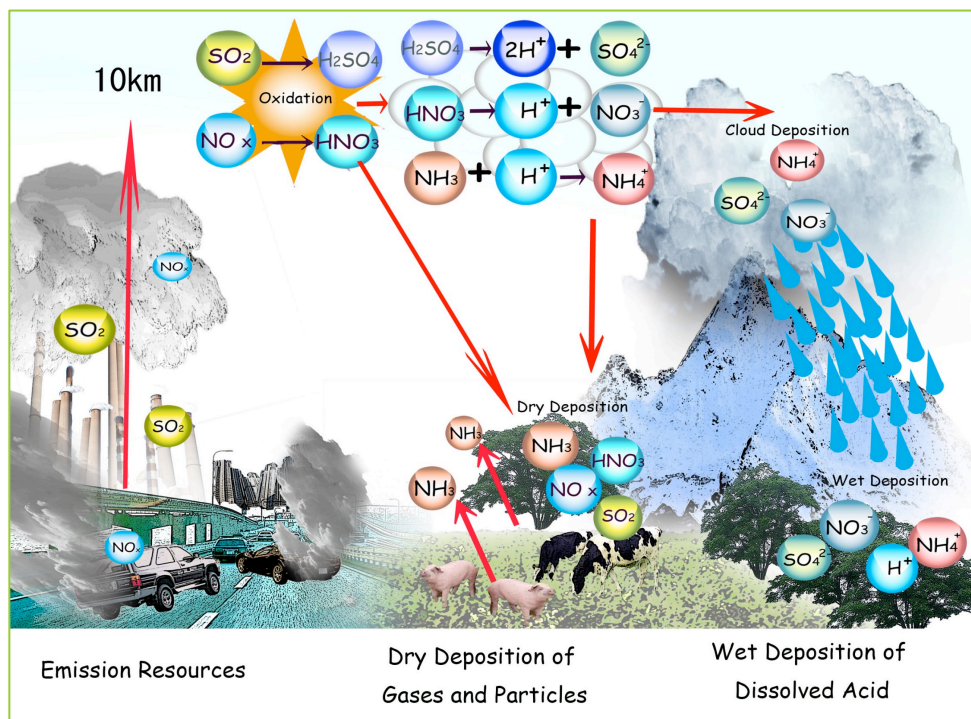


EANET

Secretariat for the EANET
UNEP Regional Office for
Asia Pacific



Background



Need for
regional
cooperation



Air pollution and acid deposition **negatively impacts ecosystems** and **health** and **needs regional cooperation** to strengthen national and local actions.

Establishment of EANET – an Intergovernmental Initiative

The Acid Deposition Monitoring Network in East Asia (EANET) was established in 2001 as an intergovernmental initiative with the following objectives:

- To **create a common understanding** of the state of acid deposition problems in East Asia;
- To **provide useful inputs for decision-making** at the local, national, and regional levels aimed at preventing, or **reducing adverse impacts on the environment** caused by acid deposition; and
- To **contribute to cooperation** on the issues related to acid deposition among the Participating Countries.



13 Participating Countries

Expansion of Scope of the EANET

The IG23 in 2021 approved the expansion of scope of the EANET and included atmospheric environment related substances in the scope of the EANET

ATTACHMENT: SCOPE OF EANET

Atmospheric Environment-related Substances		Item 4 Monitoring and Reporting	Item 5 Assessment	Item 6 Research Activities	Item 7 Education and Training	Item 8 Public Awareness	Item 9 Exchange of Information
SO ₂		√	√	*	√	√	√
NO _x		√	√	*	√	√	√
NH ₃		√	√	*	√	√	√
PM	PM2.5	√	√	*	√	√	√
	PM10	√	√	*	√	√	√
	TSP	√	√	*	√	√	√
	DSS ^a	√	√	*	√	√	√
	PM(inorganic ions)	√	√	*	√	√	√
	PM(metallic elements)	-	-	*	√	√	√
	PM(organic aerosols)	-	-	*	√	√	√
Precipitation Chemistry (ions, pH, EC)		√	√	*	√	√	√
Surface Ozone		√	√	*	√	√	√
CO		-	-	*	√	√	√
VOCs		-	-	*	√	√	√

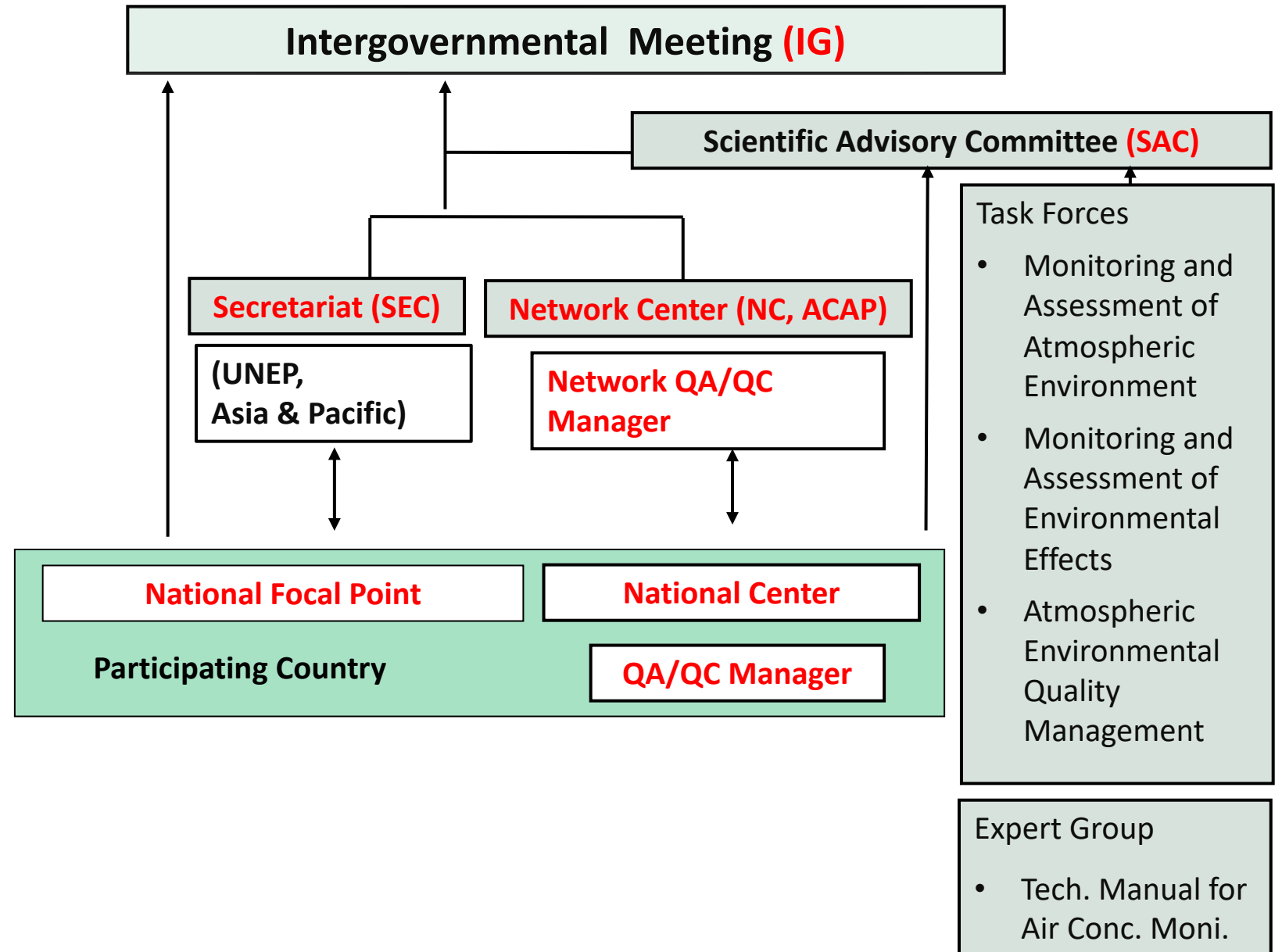
Legend of the symbols of the Attachment:

[√: Applicable]

[-: Not applicable]

[*: Partly applicable]: see Item 3, para 4

Organizational Structure of the EANET



Major Activities of the EANET (MTP 2021-2025)

Activities	Details
1. Acid deposition monitoring	<ul style="list-style-type: none"> - Review and establish of the national monitoring plans by Participating Countries (PCs) - Implementation of monitoring of wet deposition, dry deposition, soil/vegetation, inland aquatic environment and catchment.
2. Compilation, evaluation, storage, analysis of data	<ul style="list-style-type: none"> - Submission of monitoring data to the Network Center by PCs. - Issuing of Data Report - Periodic report on the state of acid deposition - Dissemination of the data and relevant information through EANET web site
3. Promotion of quality assurance and quality control (QA/QC) activities	<ul style="list-style-type: none"> - Implementation of QA/QC programs - Development of Standard Operational Procedures (SOPs) - Inter-laboratory comparison projects
4. Implementation of technical support and capacity building activities	<ul style="list-style-type: none"> - Dispatch of technical missions - Individual training at the NC - National training - Utilization of existing training programs and others
5. Promotion of research and studies related to acid deposition and air pollution problems	<ul style="list-style-type: none"> - Joint studies on wet/dry deposition, catchment analysis, etc. - EANET fellowship research
6. Promotion of public awareness activities	<ul style="list-style-type: none"> - Development of public awareness materials and implementation of environmental studies - Workshop on public awareness
7. Other relevant activities	<ul style="list-style-type: none"> - Cooperation and exchange of information and experiences with other regional and global networks/initiatives

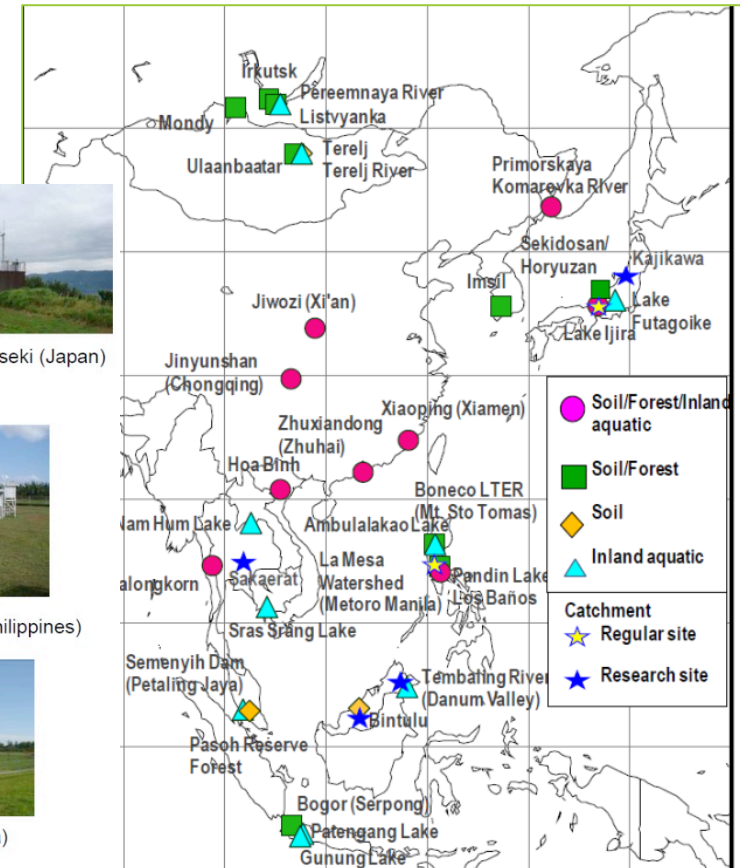
Achievements: Coordinated Monitoring Network

Deposition Monitoring Sites



Successfully established and operating monitoring network in the region for more than 20 years

Ecological Impacts Monitoring Sites



Primorskaya (Russia)



Terej (Mongolia)



Xiamen (China)



Imsil (R. of Korea)



Sado-seki (Japan)



Phnom Penh (Cambodia)



Vientiane (Lao PDR)



Hoa Binh (Viet Nam)



Los Baños (Philippines)



Yangon (Myanmar)



Bangkok (Thailand)



Tanah Rata (Malaysia)



Maros (Indonesia)

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

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

Development of High-Quality Datasets

- **High-quality datasets** have been developed through the implementation of QA/QC measures at the national levels and in the Inter-laboratory Comparison Projects.
- **Over 20 years of data are available for download on EANET website** (<https://www.eanet.asia>).
- Data analysis, data report in the East Asian region.



Monitoring data



Network Center (ACAP)



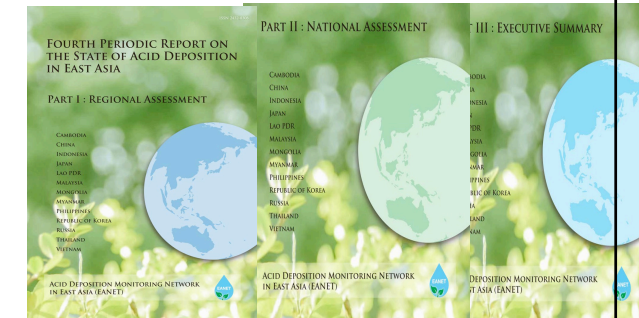
Issuing of Data Report

- Data Report were published after adoption by the SAC every year



Issuing of PRSAD4 2021

PRSAD4 was approved by SAC11 and endorsed by IG13, and published in 2021

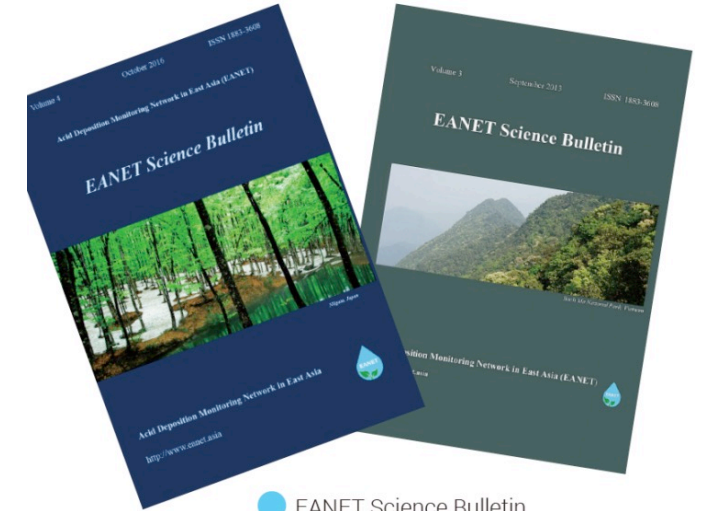


Participating countries

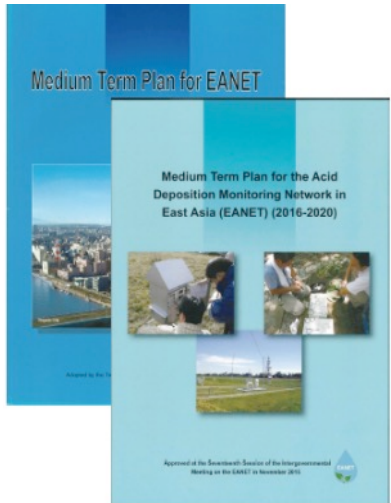
Achievements: Policy Support and Knowledge Products



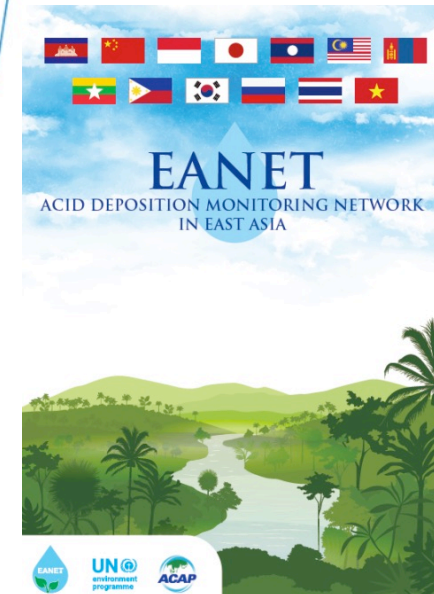
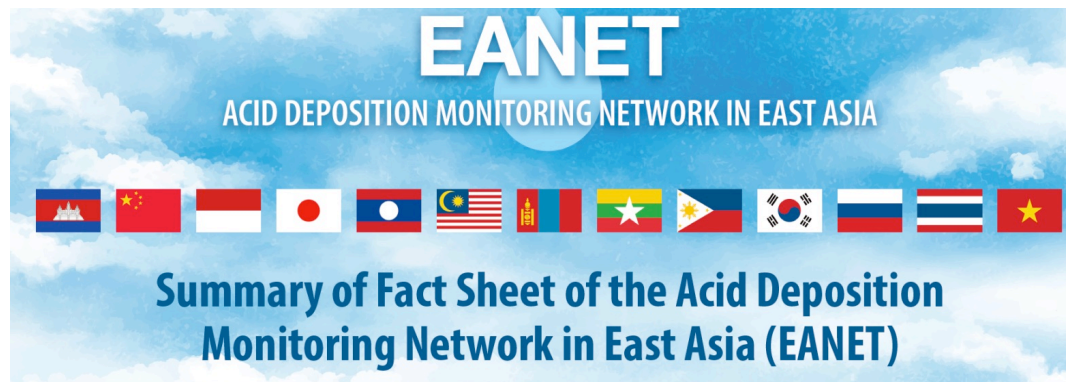
● Guideline, Technical Manuals and Training materials



● EANET Science Bulletin

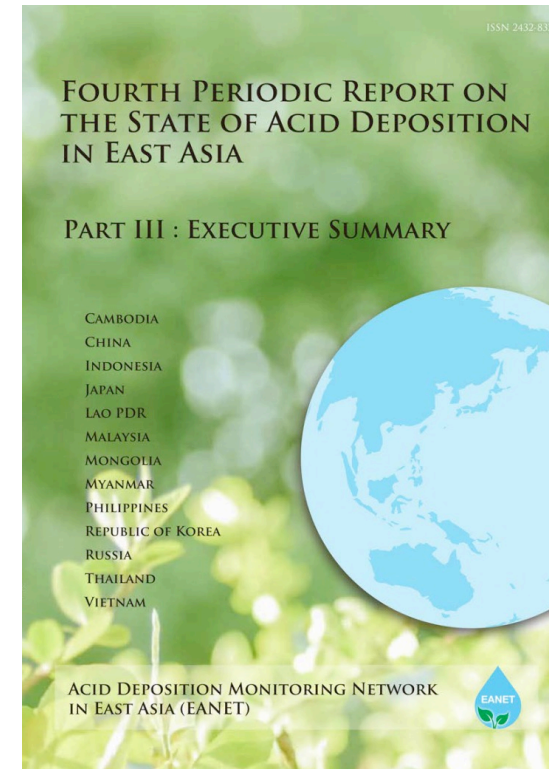
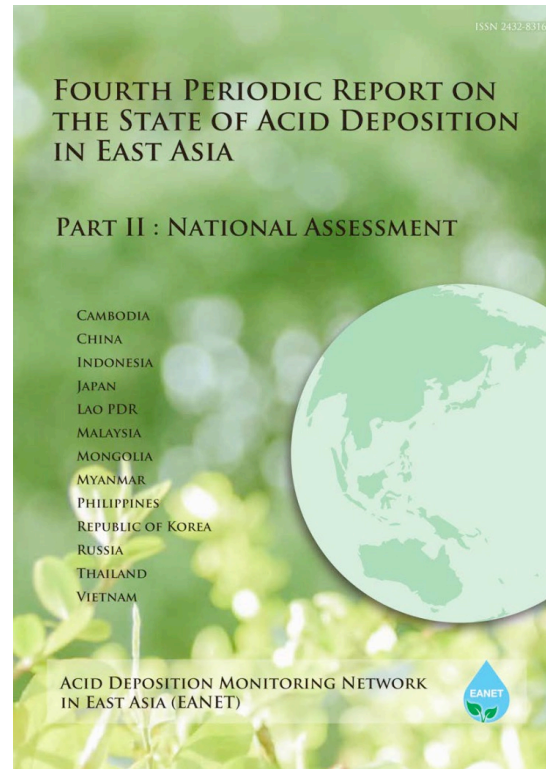
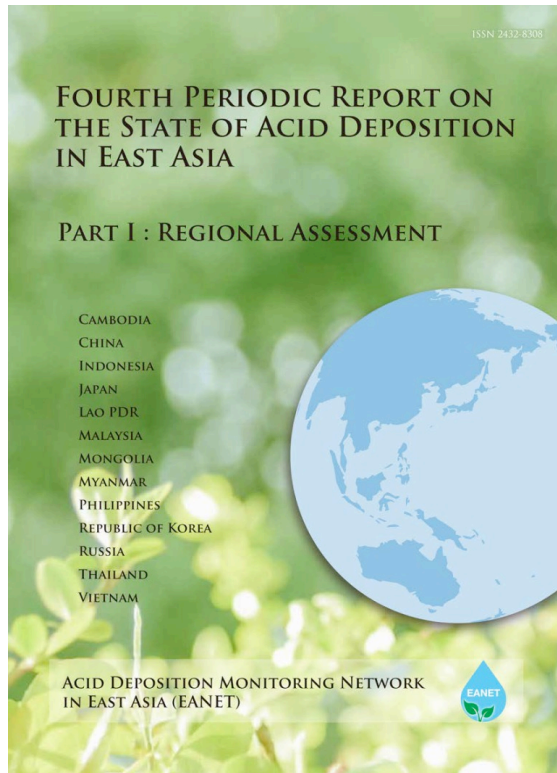


● Medium Term Plan for the EANET



Achievements: PRSAD

Periodic Reports on the State of Acid Deposition in East Asia (PRSAD) were published by EANET in 2006, 2011, 2016, and 2021 respectively as a comprehensive scientific assessment report describing the outcome of EANET's monitoring activities



The understanding of acid deposition in the region has been increased significantly

Achievements: Robust Governance and Capacity-building Efforts

- 25 Sessions of the Intergovernmental Meetings (IG)
- 23 Sessions of the Scientific Advisory Committee (SAC)
- Working Group Meetings
- Senior Technical Managers Meetings
- Task Forces on various EANET relevant topics
- Seminars and capacity building workshops
- Awareness forums



Support to participating countries (Senior Technical Managers' Meeting)



Scientific Advisory Committee



Public awareness activities at the Network Center



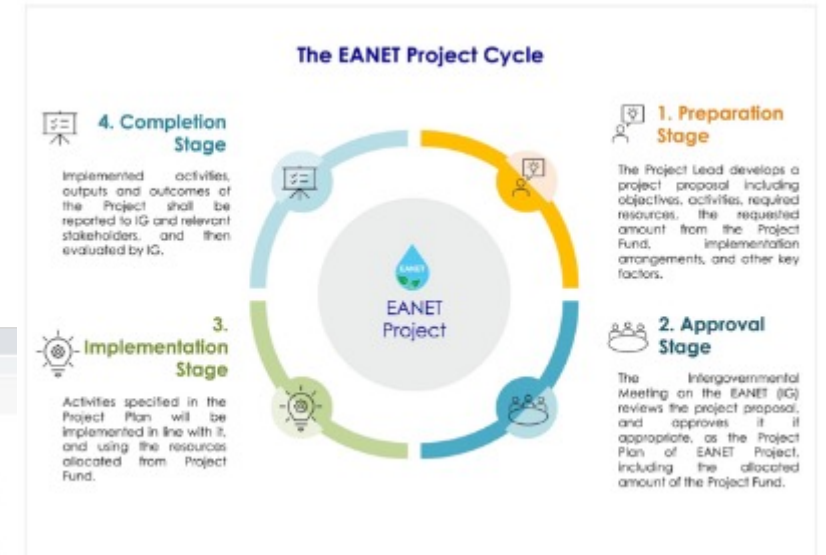
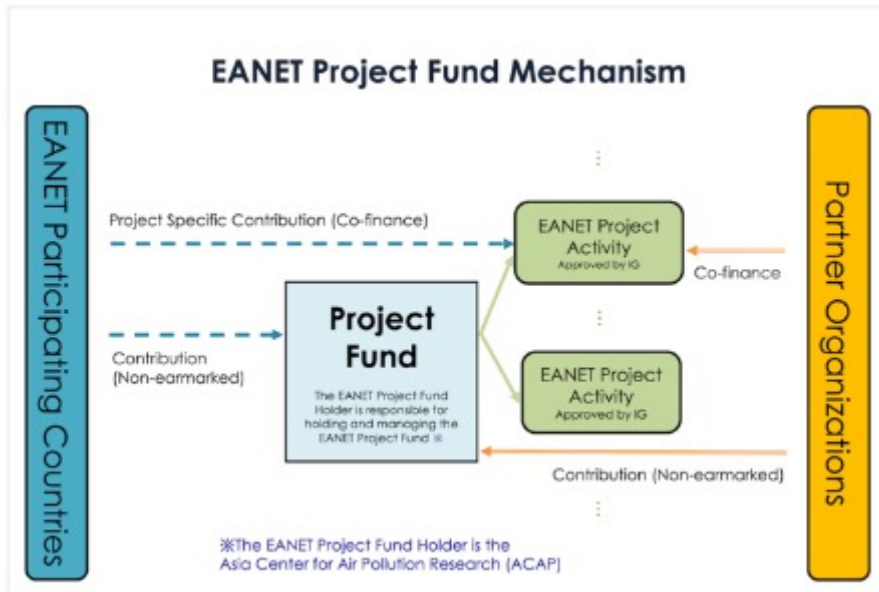
EANET Training at the Network Center



Network Center technical mission

EANET Project Fund mechanism

The development of the EANET Project Fund opens immense opportunities of establishing new projects and collaboration with various partners among Participating Countries and in the region and beyond



Project Fund and Project Guideline

General Information

The Acid Deposition Monitoring Network in East Asia (EANET) Project Fund and Project Guideline approved by the Twenty-third Session of the Intergovernmental Meeting on the Acid Deposition Monitoring Network in East Asia in 2021, is a new financial mechanism allowing EANET to build co-financed projects, 'EANET Projects', with partners in the region and beyond.

[Read the Project Fund and Project Guideline of the Acid Deposition Monitoring Network in East Asia \(EANET\) complete document, for more detailed information.](#)

Objectives of the National Awareness Workshop

- Promote EANET,
- better understand specific country needs,
- support the implementation of projects,
- and develop more projects and activities
- to support the Participating Countries' efforts to address acid deposition and air pollution

Thank you



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