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# International cooperation on air quality improvement by the Ministry of the Environment, Japan (MOEJ)

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# Achievement rate of Environmental Quality Standards (FY2024)

	Ambient Air Monitoring Stations*	Roadside Stations*	Environmental Quality Standards
<b>PM2.5</b>	<b>99.5%</b>	<b>100%</b>	<b>&lt; 15 ug/m<sup>3</sup> (Annual average) and &lt; 35 μg/m<sup>3</sup> (daily average)</b>
<b>Ox</b>	<b>0%</b>	<b>0%</b>	<b>&lt; 0.06 ppm (hourly values)</b>
NO <sub>2</sub>	100%	100%	< 0.04 ppm ~ 0.06 ppm (daily average of hourly values)
SPM	100%	100%	< 0.10 mg/m <sup>3</sup> ppm (daily average of hourly values) and < 0.20mg/m <sup>3</sup> (hourly values)
SO <sub>2</sub>	99.6%	100%	<0.04 ppm (daily average of hourly values), and < 0.1ppm(hourly values)
CO	100%	100%	< 10 ppm (daily average of hourly values), and < 20 ppm (8-hour average of hourly values)

\*Ambient Air Monitoring Stations; Residential areas, Roadside Stations; Roadside areas

# Achievement rate of Environmental Quality Standards (FY2024)



## Hazardous Air Pollutants

	Number of monitoring points	Achievement rate of Environmental Quality Standards	Average concentration	Environmental Quality Standards
Benzene	373	99.7%	0.68 $\mu\text{g}/\text{m}^3$ (Annual average)	$\leq 3.0\mu\text{g}/\text{m}^3$ (Annual average)
Trichloroethylene	326	100%	1.0 $\mu\text{g}/\text{m}^3$ (Annual average)	$\leq 130\mu\text{g}/\text{m}^3$ (Annual average)
Tetrachloroethylene	324	100%	0.070 $\mu\text{g}/\text{m}^3$ (Annual average)	$\leq 200\mu\text{g}/\text{m}^3$ (Annual average)
Dichloromethane	332	100%	1.3 $\mu\text{g}/\text{m}^3$ (Annual average)	$\leq 150\mu\text{g}/\text{m}^3$ (Annual average)

# Policy Dialogue

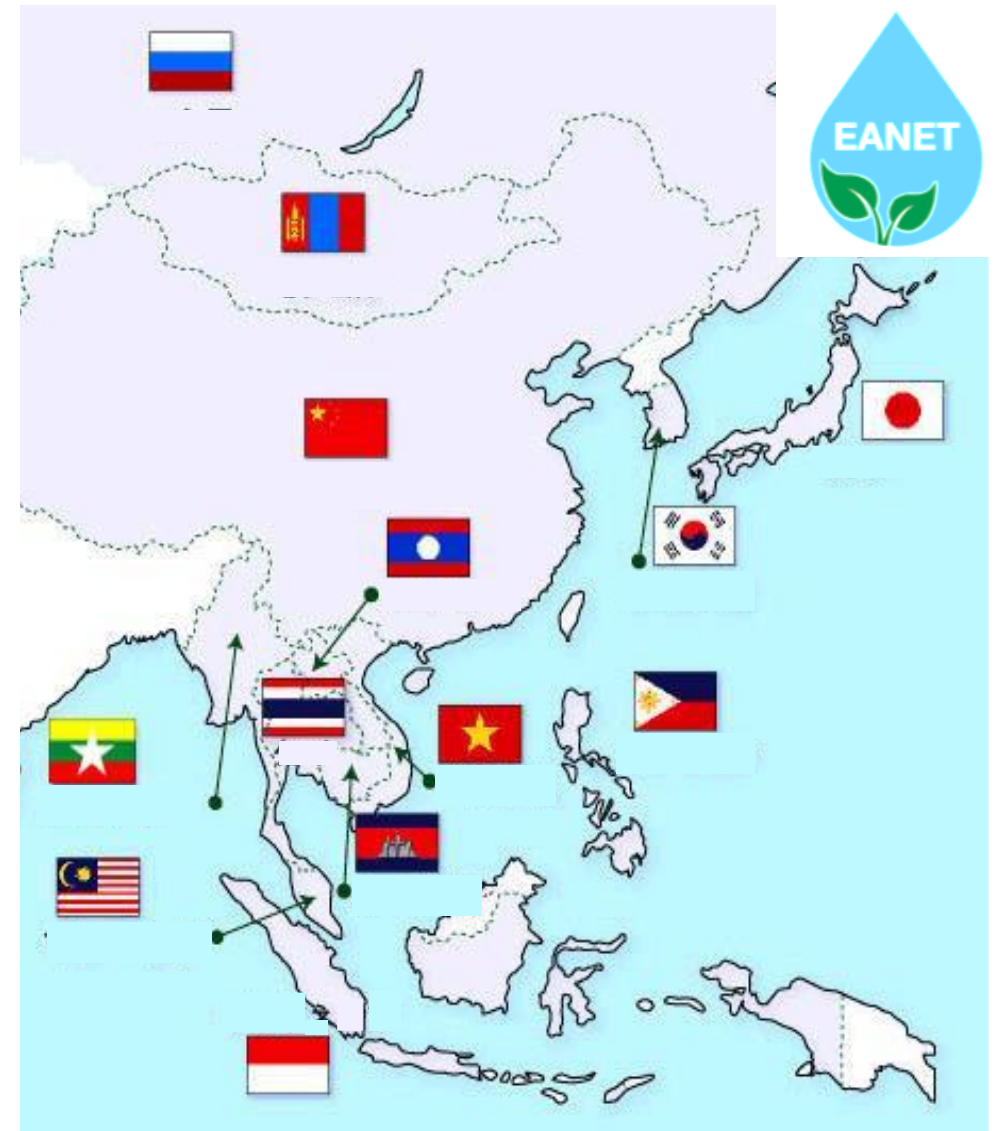
## Tripartite Policy Dialogue on Air Pollution (TPDAP)

- Conducted under the framework of the Tripartite Environment Ministers Meeting (TEMM) among Japan, China and the Republic of Korea
- The 1st dialogue was held in 2014, the 12th was held in 2025
- Promotes exchange of policies, measures and best practices, and facilitates sharing of scientific knowledge and experiences



## Acid Deposition Monitoring Network in East Asia (EANET)

- Monitoring network for addressing air pollution and acid rain in East Asia.
- Established in 2011
- 13 participating countries actively engage
- Provides technical support for air quality monitoring, reporting, data assessment, etc.
- Japan has played a leading role since its establishment to the latest development of its Mid-term Plan 2026-2030



## Asia-Pacific Clean Air Partnership (APCAP)

- Comprehensive regional cooperation platform
- Launched by UNEP in cooperation with the MoEJ in 2014
- 16 countries in Asia engage
- Promotes scientific knowledge development and publish report on Science-based solutions
- Holds joint forum and regional workshop
- Japan has supported through financial contributions and technical cooperation



Group photo of joint forum



Air Pollution in Asia and the Pacific:  
Science-based solutions

# Project Formulation

## Synergy approach through Joint Crediting Mechanism (JCM)

- Utilize JCM scheme to promote synergies between decarbonization and environmental pollution measures.
- MOEJ conducts Feasibility study (FS) for the Synergy JCM projects, thereby demonstrating technologies that can improve air quality and contribute to climate change mitigation.
- Clean Air Asia (CAA) helps match JCM needs and Japanese technologies at a municipality level

Example of a Demo Project Using Co-benefit Technology  
Location: Ulaanbaatar, Mongolia



Gas boiler (372 kW) as an alternative to coal boiler

## Conclusion

- MOEJ has been leading various initiatives through bilateral/multilateral frameworks in collaboration with Asian countries and partner organizations.
- ACAP/JESC are one of the most important partners.
- MOEJ looks forward to further collaboration to strengthen our efforts.
  - Policy Dialogue with more...
  - Monitoring Network for wider range, with more...
  - International partnership collaborates with other frameworks...
  - Project Formulation involves more stakeholders...