

**Acid Deposition Monitoring Network in East Asia (EANET)
Project List Adopted at IG25**

Nov. 30, 2023

①	Studies on the effects of atmospheric deposition on ecosystems, from a catchment scale to a regional scale as a methodological study
	【Summary】 Analyzing the response of forest ecosystems to changing air pollution and atmospheric deposition, with a particular focus on recovery from acidification and nitrogen saturation, and disturbances caused by extreme weather and climate change. Conducting methodological studies for impact assessment in Japan with the aim of contributing to future policy considerations in the region.
②	Promoting VOCs related Capacity Building in the EANET
	【Summary】 VOCs are new substances added to the EANET scope expansion approved at the twenty-third EANET intergovernmental meeting. The purpose of this project is to strengthen the capacity of EANET participating countries to monitor and manage emissions related to VOCs.
③	Methodology Study for Development of LCS Hybrid Air Quality Monitoring Network (HAQMN)
	【Summary】 Aiming to expand the air quality monitoring network in the EANET participating countries, the project will obtain reliable data by constructing an observation network combining low-cost sensors and reference level equipment. Technical documents such as LCS operation manuals that summarize the findings of this project will be prepared, and those are disseminated to EANET participating countries.
④	PM2.5 source apportionment in pilot cities in EANET for recommendations on feasible reduction policy
	【Summary】 Chemical compositions of PM2.5 in several cities of the EANET are measured, and the contributions of major sources of PM2.5 are estimated by the measured data. Recommend feasible reduction policies will be proposed based on the findings. The regional workshop will be held in 2024 to raise awareness about PM2.5 pollution control measures in the EANET participating countries.
⑤	The collaboration of Technical and Training (TNT) and capacity building program for personnel of the Participating Countries on monitoring
	【Summary】 The training program for EANET participating countries in cooperation with NC and the National Institute for Environmental Research (NIER) of Korea with its training program (TNT) to acquire basic knowledge and skills in monitoring, which is a core activity of EANET, and to learn QA/QC methods for data reliability.
⑥	Webinar for emission inventory of VOCs and its application for policy consideration
	【Summary】 This seminar aims to promote understanding of methodologies to develop emission inventories of VOCs that have varies sources and utilize the data for atmospheric environmental management and considering control measures.
⑦	Seminar for Particulate Matter Problem including Haze in Southeast Asia
	【Summary】 A seminar is organized in cooperation with the ASEAN Secretariat (Haze Agreement) on the formation mechanism, behavior and countermeasures for particulate matter such as Haze, which is a problem in Southeast Asia.
⑧	Next Generation Leadership Program in East Asia
	【Summary】 This program is conducted jointly with Fudan University in China to foster administrative officials and researchers who will lead atmospheric environmental policy and research in East Asia.
⑨	Stocktaking and Methodological Assessment Emissions Inventories and Source Apportionment of Air Pollution in Southeast Asia
	【Summary】 This project surveys the current status of emission inventories and source apportionment researchers targeting Southeast Asia and creates their database that is available for capacity building activities of EANET.
⑩	Seminar on Sustainable Nitrogen Management
	【Summary】 The anthropogenic production and release of excessive reactive nitrogen, including

nitrogen oxides and ammonia, is an important issue that exceeds the planetary boundary. Resolutions (UNEA 4.14 and 5.2) at the United Nations Environment Assembly encourage countries to take action for sustainable nitrogen management. EANET has accumulated long-term data on nitrogen oxides and ammonia as major components of acid deposition. Conducting two seminars before and after the 6th United Nations Environment Assembly to promote information sharing that will contribute to the formulation of action plans in each country.