

The Twenty-first Session of the Scientific Advisory Committee
on the Acid Deposition Monitoring Network in East Asia
26-28 October 2021, Virtual Meeting

THE EANET EMISSION INVENTORY WORKSHOP (DRAFT)

I. OBJECTIVES

1. To tackle atmospheric environment problems, it is essential to understand the current status of air pollutants' emissions and consider mitigation measures' effectiveness. The emission inventory is an essential tool to obtain such information and to build appropriate atmospheric environmental policies.
2. The objectives of the EANET Emission Inventory Workshop, held on 18 October 2021 virtually, were to understand the role of an emission inventory in air quality management, obtain general information on an emission inventory, and learn basic knowledge on the development and application of an emission inventory. For this purpose, invited experts provided five lecture presentations on developing and applying an emission inventory. Furthermore, the participants selected by the National Focal Points (NFPs) of each EANET Participating Country delivered short presentations about issues related to national emission inventories in their country. Through discussions among lecturers and participants, the event aimed to enhance participants' knowledge and encourage the development of national emission inventories.

II. PARTICIPANTS

3. The invitation letter to the workshop was sent to NFPs, SAC members, National Centers, and QA/QC managers, inviting Participating Countries' representatives to nominate participants. Participants in the workshop were technical officers involved in air quality management administration, in charge of, or interested in developing a national emission inventory. Because the workshop was held virtually, there was no limitation on the number of participants. As of the end of September, the number of registered participants was 46 from 9 countries. Participants mainly came from environmental ministries and national research institutes in charge of issues related to air quality management.
4. The information on the workshop was shared with relevant organizations and initiatives, such as with the UN Environment Programme (UNEP), Asia Pacific Clean Air Partnership (APCAP), Clean Air Asia (CAA), and many more. A link with information on the workshop was shared to increase the number of participants.

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III. CONTENTS OF THE WORKSHOP

5. The date and venue of the workshop were as follows:

- Date: 18 October 2021 (UTC 05:30-09:30)
- Venue: Virtual workshop

The workshop was organized by the Asia Center for Air Pollution Research (ACAP), the Network Center (NC) for the EANET.

6. Lectures from experts included:

- Roles of emission inventory in air quality management
- General knowledge of emission inventory
- Development of national emission inventory
- Development of biomass burning emission inventory
- Application of emission inventory

7. Short presentations from participants nominated by the NFPs and following discussions with experts covered the following topics:

- Introduction of air quality management activities in each country.
- Current status and/or plans of the national emission inventory. (Alternatively, it focused on major emission sources needing to be reduced in each country.)
- Perspective regarding critical roles and required activities related to emission inventories within the EANET.

8. The EANET Emission Inventory Workshop program is provided in Table 1, and the list of lecturers and presenters from participants is provided in Table 2.

Table 1. Program of the EANET Emission Inventory Workshop

Monday, October 18, 2021 UTC 5:30-9:30		
05:30-05:35	Opening remarks	Shiro Hatakeyama (NC/Director General of ACAP)
05-35-05:40	Introduction of the workshop	Jun-ichi Kurokawa (NC/ACAP)
	Lecture presentations from experts	
05:40-06:00	Roles of emission inventory in air quality management	Toshimasa Ohara

06:00-06:30	Emission estimation for air pollutants emission inventory	Tazuko Morikawa
06:30-07:00	Japan's National GHG Inventory	Elsa Hatanaka
07:00-07:30	Development of biomass open burning emission inventory for air quality management at national and regional levels in Thailand	Savitri Garivait
07:30-08:00	Application of emission inventory to air quality simulation	Satoru Chatani
	Presentations from participants nominated by the NFPs	
08:00-08:05	Cambodia	Chandath Him
08:05-08:10	Lao PDR	Bounmany Soulideth
08:10-08:15	Malaysia	Farah Diyana Rusli
08:15-08:20	Mongolia	Bayarmagnai Jambaldori
08:20-08:25	Myanmar	Kyu Kyu Sein
08:25-08:30	Philippines	Paul Nathan Vallar
08:30-08:35	Russia	Alisa Trifonova-Yakovleva
08:35-08:40	Thailand	Naboon Riddhiraksa
08:40-08:45	Viet Nam	Van Sy Pham
08:45-08:55	Q & A for the presentations from participants	
08:55-09:25	General discussion among participants and experts	
	Closing	
09:25-09:30	Announcement and closing	

Table 2. List of lecturers and presenting participants

Lecturers	
Name	Affiliation
Toshimasa Ohara	Research director, Center for Environmental Science in Saitama, Japan
Tazuko Morikawa	Senior Chief Researcher, Environment Protection Research Group, Environment Research Division, Japan Automobile Research Institute, Japan
Elsa Hatanaka	Manager, Greenhouse Gas Inventory Office of Japan (GIO), National Institute for Environmental Studies (NIES), Japan
Savitri Garivait	Associate Professor, Chairperson of Environmental Division, The Joint Graduate School of Energy and Environment (JGSEE) - Center of Excellence on Energy Technology and Environment (CEE), King Mongkut's University of Technology Thonburi (KMUTT), Thailand
Satoru Chatani	Chief Senior Researcher, Regional Environment Conservation Division (Regional Atmospheric Modeling Section), National Institute for Environmental Studies (NIES), Japan
Presenting Participants	
Name	Affiliation
Chandath Him	Air Quality and Noise Management, Ministry of Environment, Cambodia
Bounmany Soulideth	Natural Resources and Environmental Research and Statistic Institute, Ministry of Natural Resources and Environment, Lao PDR
Farah Diyana Rusli	Air Division, Department of Environment, Putrajaya, Malaysia

Bayarmagnai Jambaldori	Environmental Monitoring Division of National Agency for Meteorology and Environmental Monitoring, Mongolia
Kyu Kyu Sein	Hydrological Division, Department of Meteorology and Hydrology, Myanmar
Paul Nathan Vallar	Environmental Quality Management Division, Air Quality Management Section. Philippines
Alisa Trifonova- Yakovleva	Institute of Geography, Russian Academy of Sciences, Russia
Naboon Riddhiraksa	Planning and Evaluation Subdivision, Air Quality and Noise Management Division, Pollution Control Department, Thailand
Van Sy Pham	Environmental Forecast and Technology department, Center For Environmental Research, Vietnam Institute of Meteorology Hydrology and Climate Change, Vietnam

IV. SUMMARY OF THE WORKSHOP

This section will be prepared after the workshop held on 18 October 2021.