

The EANET Emission Inventory Webinar Workshop on Open Biomass Burning Outline

1. Background

One of the key sources of particulate matter (PM) pollution in EANET participating countries especially in Southeast Asia, is the open burning of biomass such as agricultural wastes, forest, and municipal wastes.

Open burning of agricultural crop residues is one of key sources causing severe air pollution and reducing emissions from agricultural waste burning is among the 25 recommended clean air measures in Air Pollution in Asia Pacific: Science Based Solutions (UNEP and CCAC, 2018, <https://www.ccacoalition.org/en/resources/air-pollution-asia-and-pacific-science-based-solutions-summary-full-report>).

It is essential to understand current status of emissions from open biomass burning sources to consider effective mitigation ways and the emission inventory is a powerful tool for the purpose. However, methodologies to estimate emissions from open biomass burning are much different from those for other anthropogenic sources.

2. Objectives

The objectives of the Emission Inventory Webinar Workshop are to learn basic methodologies to estimate emissions from open biomass burning sources including considerable uncertainties. In addition, application methodologies of the emission inventories to analyze influences of open biomass burning emissions is also introduced.

3. Organizer

Asia Center for Air Pollution Research (ACAP), The Network Center for EANET (NC)

4. Date, Duration, and Format

Date: 5 December 2022

Duration: ICT 12:30-16:05 (= UTC 5:30-9:05)

Format: Online (The web link of the webinar workshop will be provided to registered participants.)

5. Target Participants

Technical officers, practitioners, and policymakers who are involved in air quality management issues, especially in charge of or interested in developing national emission inventory.

Note that one representative presenter from each EANET participating country needs to be nominated from participants by the National Focal Points (NFPs) of each country and is requested to make a short presentation about issues related to open biomass burning in each country at the workshop.

6. Program (Time is in ICT = UCT+7)

Duration	Program Item	
Opening		
12:30-12:35	Opening remarks Dr. Shiro Hatakeyama , Director General of Asia Center for Air Pollution Research/the Network Center of EANET	
12:35-12:40	Introduction of the webinar workshop	
Session 1	Lecture presentations from experts¹	
12:40-13:35	Development of emission inventory from biomass open burning (forest fires, agricultural burnings, and solid waste burnings) for Thailand and northern ASEAN Dr. Savitri Garivait , 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	
13:35-14:05	Characterizing biomass burning emissions and uncertainties Dr. Kristofer Lasko , Geospatial Research Laboratory, Engineer Research and Development Center, The United States	
14:05-14:35	PM_{2.5} transboundary pollution over Northeast Asia caused by biomass burning using air quality model Dr. Katsushige Uranishi , Department of Life and Environment Engineering, Faculty of Environmental Engineering, the University of Kitakyushu, Japan	
Session 2	Presentations from participants nominated by NFPs of EANET <ul style="list-style-type: none"> • What are major sources of open biomass burning emissions and how the emissions are estimated or evaluated in your country • How open burning emissions influence air quality and what are current control measures in your country • Opinions for EANET project activities related to open biomass burning emissions including national emission inventories 	
14:35-14:43	Cambodia	Mr. Yim Raksmeay Department of Air Quality, Noise, and Vibration, Ministry of Environment
14:43-14:51	Indonesia	Ms. Nevy Rinda Nugraini and Ms. Noor Rachmaniah Directorate of Air Pollution Control, Ministry of Environment and Forestry

14:51-14:59	Malaysia	Ms. Razatul Aini Razlan Air Division, Department of Environment, Ministry of Environment and Water
14:59-15:07	Myanmar	Ms. Witt Yi Soe Hydrological Division, Department of Meteorology and Hydrology, Ministry of Transport and Communication
15:07-15:15	Philippines	Engr. Jundy Del Socorro Environmental Quality Management Division, Environmental Management Bureau, Department of Environment and Natural Resources
15:15-15:23	Russia	Dr. Vladimir Korotkov Department for monitoring greenhouse gas flows in natural and anthropogenic-disturbed ecosystems, Yu. A. Izrael Institute of Global Climate and Ecology
15:23-15:31	Vietnam	Dr. Thu Minh Nguyen Center for Environmental Research, Vietnam Institute of Meteorology, Hydrology and Climate Change
15:31-15:56	Q & A for the presentations from participants General discussion among participants and experts	
Closing		
15:56-16:00	Short announcements	
16:00-16:05	Closing remarks Dr. Fan Meng , Deputy Director General of Asia Center for Air Pollution Research/the Network Center of EANET	

¹Each lecture presentation includes time for Q & A.