TISTR International Conference on Air Pollution, Perspective, Prediction, Prevention, and Control

31 August 2023, MR103 Room, Queen Sirikit National Convention Center, Bangkok, Thailand (Hybrid Event)

[In Conjunction with ASEAN Sustainable Energy Week 2023, 30 August - 1 September 2023]

BACKGROUND

As the world's population increases, natural resources are consumed accordingly to support human activities and lead to damage to the environment. One of the most concerns nowadays is climate change and air pollution, especially in urban areas.

Particulate matter, especially PM 2.5 is generated primarily from combustion including open fireplaces, car engines, and coal- or natural coal-fired power plants. It is harmful ingredient in polluted air, which has the greatest impact on human health as its size is small enough to bypass human lungs and can even penetrate the bloodstream. People living in high PM 2.5 level, has more heart attack, depressed lung function, worse asthma, and overall die younger. Statistics show that air pollution is responsible for more than 7 million deaths annually.

Like other regions, ASEAN is also facing PM 2.5 problem. Each member establishes their own policy, strategy option, regulatory mechanisms, and good practices to tackle this problem. However, this problem still exists and challenges to eradicate. In this regard, it is a good opportunity for AESAN to share their knowledge and to explore each another country from policy to practices and seek cross-border collaboration to solve the problem through TISTR International Conference on Air Pollutions Perspective, Prediction, Prevention, and Control.

OBJECTIVES

-   To share information about policy, strategy option, regulatory mechanisms, and good practices to tackle PM 2.5 problem.
-   To explore and learn existing practices and technologies for prediction, prevention, and control PM 2.5.
-    To strengthen regional cooperation among participating member states to jointly combat the future PM 2.5 crisis.

PARTICIPANTS

National focal points of APCTT; representatives from Government, academia, industries and other agencies/institutions; and experts from energy associations, relevant stakeholders from participating member States of the Asia-Pacific region, and ASEAN region.

CONFERENCE PROGRAMME

Date: 31 August 2023 | Time: 09:30 am-03:40 pm (Thailand Time, GMT+7)

Opening Session		
09.30-09.50 am	Welcome Address	Dr. Pratip Vongbandit Deputy Governor, R&D Group for Sustainable Development, Thailand Institute of Scientific and Technological Research (TISTR), Thailand
	Opening Remarks	Dr. Chutima Eamchotchawalit Governor, Thailand Institute of Scientific and Technological Research (TISTR), Thailand
	Group Photo	On-site and online
09.51-10.10 am	Keynote Speaker Perspective on Air Pollution Management of Asia-Pacific Region	Dr. Preeti Soni Head, Asian and Pacific Centre for Transfer of Technology (APCTT), United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)
Session I: Country Perspectives on Policy, Strategy Option, Regulatory Mechanisms, and Good Practices to Tackle PM 2.5 Problem and Potential Collaboration		
10.11 am-12.10 pm (30 mins including Q&A/each speaker)	Country Perspectives on Policy, Strategy Option, Regulatory Mechanisms, and Good Practices to Tackle PM 2.5 Problem	
	- Thailand	Ms. Siwaporn Rungsiyanon, Expert on Air Quality and Noise Management, Pollution Control Department (PCD), Thailand
	- Indonesia	Dr. Sasa Sofyan Munawar, Head of Research Center for Environmental and Clean Technology, National Research and Innovation Agency (BRIN), Indonesia
	- Vietnam	Dr. Hoang Duong Tung, President of Vietnam Clean Air Partnership (VCAP) and Former Deputy General Director of the Vietnam Environmental

		Administration (VEA), Ministry of Natural Resources and Environment (MONRE)
	Strengths and Challenges of City-level Action Plan for Adopting Technologies for Air Pollution Control in Bangkok	Assoc. Prof. Dr. Ekbordin Winijkul, School of Environment, Resources, and Development, Asian Institute of Technology (AIT), Thailand and National Consultant of Korea-ESCAP Cooperation Fund (KECF) Air Pollution Control Project

Session II: Technology and Innovation to Prediction, Prevention, and Control

01.30-03.30 pm (30 mins including Q&A/each speaker)	Weather Research Forecast Model and Utilization for Reduction of PM 2.5 Problem	Dr. Sakda Tridech, Director of Air Quality and Noise Innovation Sub-division, Pollution Control Department (PCD), Thailand
	Space-based PM 2.5 Monitoring Technology for Supporting Data to Relevant Organization on Prediction, Prevention, and Control	Ms. Kanjana Koedkurang, Geo-informatics Specialist, Geo-Informatics and Space Technology Development Agency (Public Organization): GISTDA, Thailand
	Monitoring and Sources Identification of Air Pollution and Case Study	Ms. Soticha Kitarsa, Research Officer, Expert Centre of Innovative Clean Energy and Environment, R&D Group for Sustainable Development, Thailand Institute of Scientific and Technological Research (TISTR), Thailand
	Regulatory Air Monitor and Sensor Data Communication: Public Hazard Forecasting During Emerging Wildfire Events	Dr. Evan Bing, Atmospheric Measurement Manager, Northwest Clean Air Agency

Closing Session

03.31-03.40 pm	Closing Remarks	Dr. Pratip Vongbandit, Deputy Governor, R&D Group for Sustainable Development, Thailand Institute of Scientific and Technological Research (TISTR), Thailand