

Day 3 Main Conference | 17 November 2023 | Friday

Ambition to Action: Clean air for Health and the Climate

AGENDA AT A GLANCE

09:00 – 10:30 OPENING REMARKS AND OPENING PLENARY: FINANCING CLEAN AIR AND CLIMATE SOLUTIONS				
10:30 – 11:15 COFFEE BREAK & NETWORKING				
11:15 – 12:45 BREAKOUT SESSIONS:				
Track 1 URBAN DEVELOPMENT AND TRANSPORT	Track 2 INDUSTRY AND ENERGY	Track 3 AGRICULTURE, WASTE, HOUSEHOLD ENERGY AND OTHER SOURCES	Track 4 SPOTLIGHT 1	Track 5 REGIONAL COOPERATION FOR CLEAN AIR
Accelerating Electric Vehicle Adoption in Asia through Policy and Financing <i>(Clean Air Asia, UEM)</i>	Data Platform Construction and Application of Electric Vehicles <i>(International Big Data Alliance of New Energy Vehicles)</i>	Collaboration to Promote Integrated Actions for Clean Air and a Sustainable Future in Asia <i>(IIASA, MOE, IGES)</i>	Tackling Air Pollution through Legislation <i>(UNEP)</i>	Air Quality Management (AQM) in the Indo-Gangetic Plains and Himalayan Foothills (IGP-HF) <i>(ICIMOD, World Bank, Clean Air Asia)</i>
12:45 – 13:30 LUNCH				
13:30 – 15:00 CLOSING PLENARY: STAKEHOLDERS WORKING TOGETHER TO ACHIEVE CLEAN AIR FOR HEALTH AND THE CLIMATE				
15:00 – 15:30 COFFEE BREAK AND NETWORKING				
15:30 END OF EVENT				

Day 3 MAIN CONFERENCE | PLENARY SESSION

Main Auditorium

09:00 – 10:30 - OPENING PLENARY

Emcee/Moderator: **Susann Roth**, *Department of Communications (DOC), Asian Development Bank*

KEYNOTE PRESENTATION: State of Global Air Quality Funding

Sean Maguire, *Director of Strategic Partnerships, Clean Air Fund*

PANEL DISCUSSION: Finance Clean Air and Climate Solutions

This panel discussion will focus on the available funding sources as well as innovative mechanisms to finance clean air and climate solutions. Panelists will also unpack the financing challenges and present ways to address them.

Panelists:

- Government
Dr. Sonu Singh, *Scientist E, MoEF&CC, India*
- World Bank
Pawan Patil, *Senior Economist, World Bank, Singapore*
- Private Sector on public-private partnership
Dr. Akarin Suwannarat, *Executive Vice President and Special Assistant to CEO, Energy Absolute*
- Government Organization
Yu Kamei, *Director, International Cooperation Office, Environmental Management Bureau, Ministry of the Environment, Japan*
- Philanthropic Organization
Husni Mubarak, *Senior Program Associate, The Global Energy Transition Initiative (an initiative funded by Bloomberg Philanthropies), Climateworks Foundation*
- Asian Development Bank
Lin Lu, *Advisor, SEC and Head, Information and Access Unit, Asian Development Bank*

Moderated Panel Discussion: Financing Clean Air and Climate Solutions

Closing

TRACK 1- URBAN DEVELOPMENT AND TRANSPORT

Accelerating Electric Vehicle Adoption in Asia through Policy and Financing

Day 3 - (11:15 – 12:45)

Auditorium 1

BACKGROUND

The transition to electric mobility is often hindered by the costs associated with its ownership (purchase) and operations (maintenance, charging, infrastructure, etc.). Navigating these barriers requires thorough planning and implementation of policies and programs designed to address the lack of infrastructure and technical and management capacity for electric vehicle adoption. Policies that support EV technology (i.e., vehicle industry, charging infrastructure, among others) are often capital intensive and will need support through financing mechanisms. Governments use fiscal measures to promote electric vehicle adoption for public transport and support start-ups to address technology inertia. Financing schemes also aim at lessening the total cost of ownership of electric vehicles compared with conventional vehicles and minimize the risks associated with purchasing electric vehicles.

Countries in the region recognize the need for financing to support the sustainable transition to electric mobility. The Vietnam government has indicated ambitious electrification targets for private vehicles and public transport until 2050 as part of their decarbonization targets. Indonesia also envisions the expansion of their electric vehicle industry by promoting the local production of parts and components. The Philippines, likewise, has set adoption rates for electric vehicles through their comprehensive roadmap.

OBJECTIVE

The session aims to highlight opportunities for countries in Asia to fulfil their electric mobility targets through enabling policy frameworks and financing mechanisms. The session will discuss the following:

- Current e-mobility landscape in Asia
- A case of road mapping for EV adoption
- Financing priorities in electric mobility (charging infrastructure, EV industry, others)
- Asian experiences in securing financing for electric mobility

SESSION ORGANIZERS

Clean Air Asia, UEMI

PROGRAMME

OPENING AND SITUATIONER ON E-MOBILITY IN ASIA

Glynda Bathan-Baterina, Deputy Executive Director, Clean Air Asia

PRESENTATIONS

- Zero emissions solutions for transport in ASEAN
Aditya Mahalana, Senior Researcher (Consultant), International Council for Clean Transportation
- Philippine DOE CREVI updates
Patrick Aquino, Director, Energy Utilization and Management Bureau, Department of Energy – Philippines
- Electric mobility prospects and opportunities for Indonesia
Yudi Prabangkara, Director, Supporting Industry for Infrastructure Coordinating Ministry for Maritime and Investment Affairs – Indonesia
- Supporting e-mobility startups in Asian Cities (Case of Hanoi)
Kathleen Dematera-Contreras, Urban Electric Mobility Initiative

INTERVENTIONS FROM FINANCING INSTITUTIONS

Moderated by: **Bhushan Tuladhar**, FHI360

Shuji Kimura, Project Officer, Asian Development Bank

Sri Kumar Tadimalla, World Bank (virtual)

FIRESIDE CHAT: “Key Considerations for Sustainability of e-mobility projects”

Panelists:

Dr. Akarin Suwannarat, Executive Vice President, Energy Absolute

Zhang Shaojun, Associate Professor, Tsinghua University

Raisa Neith Salvador, UNDP Philippines

CLOSING

TRACK 2 – INDUSTRY AND ENERGY

Data Platform Construction and Application of Electric Vehicles

Day 3 - (11:15 – 12:45)

Auditorium 2

BACKGROUND

The national regulatory platform for new energy vehicles built by the Chinese government has now connected 15 million new energy vehicles, making it the world's largest vehicle networking platform. The number of access vehicles accounts for 90% of the total number of new energy vehicles in the People's Republic of China (PRC), and the platform has the ability to synchronize monitoring and management of tens of millions of new energy vehicles, and truly and reliably obtain relevant data such as "production, sale, purchase and service" of new energy vehicles, providing data support for new energy vehicle technology and scientific research, industry policy formulation, dynamic safety management, industrial rational layout, and financial subsidy issuance.

This session will invite experts from complete vehicle enterprises, industry institutions, and insurance companies to introduce the application of big data in new energy vehicles.

OBJECTIVE OF THE SESSION: The session aims to share PRC's experience, promoting the development of the new energy vehicle industry, and assisting in environmental improvement.

SESSION ORGANIZER

International Big Data Alliance of New Energy Vehicles

PROGRAMME

OPENING

Yan Hantao, *Researcher*, International Big Data Alliance of New Energy Vehicles

PRESENTATION

- Innovative Applications of Networked Big Data Platform of NEVs
Zhang Zhaosheng, *Associate Professor*, Beijing Institute of Technology
- Current status and trends of electric vehicle industry development in the Philippines
Representative from the Philippine Electric Vehicles Association*
- Future Automobile - PRC's Solution and Path
Yan Jianlai, *Special Secretary-General*, China Society of Automotive Engineers

CASE SHARING

Play a video to introduce the National Monitoring and Management Platform for NEVs

Q&A AND CLOSING

Yan Hantao, *Researcher*, International Big Data Alliance of New Energy Vehicles

TRACK 3- AGRICULTURE, WASTE, HOUSEHOLD ENERGY AND OTHER SOURCES
**Japan-IIASA Collaboration to Promote Integrated Actions for Clean
Air and a Sustainable Future in Asia**

Day 3 - (11:15 – 12:45)

Auditorium 3

OBJECTIVE

The global community faces the triple crisis of climate change, biodiversity loss, and pollution. These crises interact with each other and a sustainable transition requires to address these issues in an integrated manner. In Asia, air pollution is the single greatest threat to human health and a sustainable future, and effective solutions to tackle air pollution must be implemented in coordination with actions for climate change and biodiversity loss. The Ministry of the Environment of Japan (MOEJ) and the International Institute for Applied Systems Analysis (IIASA) have carried out collaborative research projects to support policy formulation addressing air pollution, climate change and other SDGs with highlighting potential co-benefits of proposed interventions, focusing in Asia. It is expected that the projects outputs contribute to strengthen the science-policy interface for facilitating science-based policy formulation to effectively tackle sustainable development challenges. This session aims to provide learning opportunities on the state-of-the-art modelling analysis that can strengthen that interface in Asia.

SESSION ORGANIZERS

IIASA, MOEJ, IGES

PROGRAMME

OPENING

Yu Kamei, Ministry of the Environment, Japan

Part 1: Project A on interactions between urban and rural air pollution in Asia and the multiple development benefits of coordinated action

PRESENTATIONS

- Interactions between urban and rural air pollution in Asia **Zbigniew Klimont (IIASA)** IIASA
- Clean Air and Climate Solutions for ASEAN **Eric Zusman, IGES /Miho Hayashi, IGES**
- Discussion on Project A **Shiro Hatakeyama, (ACAP)**, (Virtual)

Part 2: Project B on Asian Initiative on SDG-compatible, national and regional decarbonization strategies

- Air quality and health co-benefits of coordinated environmental and climate policies in Asia **Zbigniew Klimont (IIASA)/ Edward Byers (IIASA)**, (Virtual)
- Biodiversity implications of land-based climate mitigation technologies **Shin-ichiro Fujimori**, Kyoto University (Virtual*)
- Discussion on Project B **Mikiko Kainuma, IGES**

Part 3: Wrap-up session

- **Mohammad Arif** (NIUA, India)
- **Ittipol Pawarmart** (Pollution Control Department, Thailand)*

Concluding Remarks

- **Zbigniew Klimont (IIASA)/Leila Niamir (IIASA)** (Virtual)

TRACK 4 – SPOTLIGHT 1
Tackling Air Pollution through Legislation
Day 3 - (11:15 – 12:45)
Auditorium 4

BACKGROUND

Effective air quality management can have significant implications on human rights. While legislation can be a critical tool in enabling countries to establish and fulfil these rights, UNEP's 2021 Regulating Air Quality: The First Global Assessment of Air Pollution Legislation found that there was no common legal framework for ambient air quality standards globally. UNEP's Law Division has been working towards providing tools to support lawmakers to develop robust air quality legislation, such as the Guide on Ambient Air Quality Legislation, which outlines critical elements for consideration when developing air quality laws and regulations. The session highlights the importance of legislation in enabling substantive and procedural rights for ambient air quality.

OBJECTIVE

This event will bring together national policy makers, regulatory authorities, public health specialists, NGOs, and ADB project officers to discuss and highlight the importance of good governance, and effective legislation as critical to managing air quality and fulfilling the human right to breathe clean air. It will also emphasize the value of public participation in the development and implementation of air quality legislation.

SESSION ORGANIZER

UNEP

PROGRAMME

WELCOME: Brief overview of the session agenda and UNEP's work on air quality legislation

Valentina Ricca, Associate Legal Officer, Montevideo Coordination and Delivery Unit, Law Division, UNEP

PRESENTATION

- Effective legislation as a key step towards fulfilling the human right to breathe clean air
David Boyd, Former Special Rapporteur on human rights and the environment (virtual)
- Legislation for robust and participatory air quality governance
Eloise Scotford Author, UNEP Guide on Ambient Air Quality Legislation, Dean, Faculty of Law, University College London

PANEL DISCUSSION

Moderator: Bert Fabian, EANET

National experiences in participatory governance

Panelists:

- **Matthew Baird**, Executive Director, Asian Research Institution for Environmental Law (ARIEL)
- **Jundy Del Socorro**, Air Quality Management Section Chief, Environment Management Bureau, Department of Environment and Natural Resources, Philippines
- **Watchalawalee Kumboonreung**, Public interest environmental lawyer, Thailand
- **Syaharani Kadir**, Researcher, Indonesian Center for Environmental Law

AUDIENCE FEEDBACK

CLOSING

Valentina Ricca, UNEP

TRACK 5 - REGIONAL COOPERATION FOR CLEAN AIR

Air Quality Management (AQM) in the Indo-Gangetic Plains and Himalayan Foothills (IGP-HF)

Day 3 - (11:15 – 12:45)

Multi-Function Hall 3

BACKGROUND

Currently, the Indo-Gangetic Plains and the Himalayan Foothills region (IGP-HF) spanning Bangladesh, India, Nepal, and Pakistan, is a global air pollution hotspot. In many places of the region, both urban and rural, air pollution has reached alarming levels, affecting the health of millions of people, particularly women, children, and the elderly; in each of these groups, the poor are the most vulnerable. The IGP-HF Air Quality Management (AQM) Science Policy Dialogue (SPD) process, begun in December 2022 with the signing of the *Kathmandu Roadmap for Improving Air Quality* in the region, is providing a platform for the four countries sharing the IGP-HF airsheds to engage in a process of coordination on national AQM challenges. Air pollution is a complex problem; however, solutions do exist, and many countries have cleaned up their ambient air pollution in the past. Hence, there is a strong imperative to foster cross-country knowledge exchanges, particularly focusing on best practices and success stories. In addition, the pollution from one country, or subnational area inside a country, may have a significant environmental and human impact elsewhere, given the transboundary nature of the air pollution. Therefore, it is vital for the countries to coordinate their monitoring, planning, and abatement design efforts.

OBJECTIVE

This upcoming session offers a unique opportunity for south-south learning in the context of a World Bank partnership with ICIMOD to develop a regional air quality management program, focusing on action-oriented, targeted support for cleaning the airsheds of the IGP-HF region, including Bangladesh, India, Nepal, and Pakistan. The session will explore possibilities for national and regional air quality abatement projects and partnerships; build synergies and harmonization across sectors and regions for effective and improved Air Quality Management. This session will present best practices from elsewhere including PRC and discuss how aligning regional efforts strategically, revitalizing partnerships, and promoting cross-regional knowledge sharing helps to achieve WHO Air quality guidelines in much more cost-effective manner than unilateral actions.

SESSION ORGANIZERS

International Centre for Integrated Mountain Development (ICIMOD), World Bank, Clean Air Asia

PROGRAMME

OPENING

Khushboo Sharma, International Centre for Integrated Mountain Development (ICIMOD)

PRESENTATION

- Air Quality in the Hindu Kush Himalaya (HKH) Region and ICIMODs Action Plan 2030
Bhupesh Adhikary, ICIMOD
- Key findings from the “Striving for Clean Air in South Asia” report and insights from the Regional Air Quality Management Program in the Indo-Gangetic Plain and Himalayan Foothills
Martin Heger, *Senior Environment Specialist*, World Bank
- Learnings from PRC: Presentation of findings from China Air report
Weihao Zhang, *Air Quality Program Manager*, Clean Air Asia

MODERATED PANEL DISCUSSION

Moderator: Dr. Archana Walia, *India Director*, Clean Air Asia
Panelists:

- **Dr. Sonu Singh**, *Scientist E*, Ministry of Environment, Forest, and Climate Change, India
- **Ziaul Haque**, *Director*, Department of Environment, Bangladesh
- **Syeda Hadika Jamshaid**, *Carbon Market and NDCs Advisor*, Ministry of Climate Change, Pakistan
- **Dr. Leonor Tarrason**, *Research Director*, NILU

CLOSING

Dr. Archana Walia, Clean Air Asia

CLOSING SESSIONS

Main Auditorium

13:30 – 14:45 - CLOSING PLENARY

PANEL DISCUSSION: Stakeholders Working Together to Achieve Clean Air for Health and Climate

To overcome the complex challenges of air pollution and its health impacts and climate change, multi-stakeholder action is needed. This panel will discuss the most important actions each stakeholder could take to scale up solutions to address specific sources of pollution and/or improve air quality management; what support they need from other sectors to do their work better; and what's needed to improve stakeholder collaboration.

PROGRAMME

INTRODUCTION OF SESSION CHAIR

Glynda Bathan-Baterina, *Deputy Executive Director, Clean Air Asia*

PRESENTATION OF CHAIR'S SUMMARY

Bindu Lohani, *Chairman, Board of Trustees, Clean Air Asia*

PANEL DISCUSSION

Moderator: **Karma Yangzom**, *Principal Environment Specialist, Asian Development Bank*

Panelists:

- **City: Andrea Valentine Villaroman**, *Head of Climate Change and Environmental Sustainability Department, Quezon City Government, Philippines*
- **Private Sector: Dr. (HC) Noni Sri Ayati Purnomo**, *President Commissioner/Chairperson of Blue Bird, Indonesia and Board Member, Clean Air Asia*
- **Academia: ZHU Tong**, *Academician of Chinese Academy of Sciences, Professor with College of Environmental Sciences and Engineering, Peking University*
- **NGO: Ramon San Pascual**, *Executive Director, Healthcare Without Harm*
- **Youth: Nicole Ann Ponce**, *Environmental activist and Asia Convener, World's Youth for Climate Justice (virtual)*
- **Development Agencies: Yoko Watanabe**, *Director, Environment Group, CCRE, CCSD, Asian Development Bank*

Announcement of BAQ 2025

14:45 – 15:00 CLOSING REMARKS

- **Bjarne Pedersen**, *Executive Director, Clean Air Asia*
- **Martina Otto**, *Head of Secretariat, Climate and Clean Air Coalition*
- **Teresa Kho**, *Director General, East Asia Department, Asian Development Bank*