### Day 2 Main Conference | 16 November 2023 | Thursday

**Ambition to Action: Clean air for Health and the Climate**

### AGENDA AT A GLANCE

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>09:00 – 10:30</strong></td>
<td>OPENING REMARKS AND OPENING PLENARY: SECTORS WORKING TOGETHER TO ACHIEVE CLEAN AIR FOR HEALTH AND THE CLIMATE</td>
</tr>
<tr>
<td><strong>10:30 – 11:00</strong></td>
<td>COFFEE BREAK &amp; NETWORKING</td>
</tr>
<tr>
<td><strong>11:00 – 12:30</strong></td>
<td>PLENARY SESSION: CITIES’ FORUM: CLEAN AIR AND CLIMATE SOLUTIONS FROM CITIES, FOR CITIES</td>
</tr>
<tr>
<td><strong>12:30 – 14:00</strong></td>
<td>LUNCH</td>
</tr>
<tr>
<td><strong>14:00 – 15:30</strong></td>
<td>BREAK OUT SESSIONS:</td>
</tr>
<tr>
<td>Track 1</td>
<td>URBAN DEVELOPMENT AND TRANSPORT</td>
</tr>
<tr>
<td>Track 2</td>
<td>INDUSTRY AND ENERGY</td>
</tr>
<tr>
<td>Track 3</td>
<td>AGRICULTURE, WASTE, HOUSEHOLD ENERGY AND OTHER SOURCES</td>
</tr>
<tr>
<td>Track 4</td>
<td>SPOTLIGHT 1</td>
</tr>
<tr>
<td>Track 5</td>
<td>REGIONAL COOPERATION FOR CLEAN AIR</td>
</tr>
<tr>
<td>Green Ports</td>
<td>Green Ports and Shipping Development in Asia: Status and Challenges (Part 1) (CAA)</td>
</tr>
<tr>
<td>and Shipping</td>
<td></td>
</tr>
<tr>
<td>Development</td>
<td></td>
</tr>
<tr>
<td>in Asia</td>
<td></td>
</tr>
<tr>
<td>Air Quality</td>
<td>Air Quality Monitoring Systems: Increasing data coverage and ensuring reliability</td>
</tr>
<tr>
<td>Monitoring</td>
<td>(Clean Air Asia, EANET, NILU, UNESCO)</td>
</tr>
<tr>
<td>Systems:</td>
<td></td>
</tr>
<tr>
<td>Increasing</td>
<td></td>
</tr>
<tr>
<td>data coverage</td>
<td></td>
</tr>
<tr>
<td>and ensuring</td>
<td></td>
</tr>
<tr>
<td>reliability</td>
<td></td>
</tr>
<tr>
<td>The Climate</td>
<td>The Climate Imperative: Integrating SLCPs in Public Policy</td>
</tr>
<tr>
<td>Imperative:</td>
<td>(Global Methane Hub, CCAC)</td>
</tr>
<tr>
<td>Integrating</td>
<td></td>
</tr>
<tr>
<td>SLCPs in Public Policy</td>
<td></td>
</tr>
<tr>
<td>Financing</td>
<td>Financing Clean Air Action through Climate and Other Funds (Part 1)</td>
</tr>
<tr>
<td>Clean Air</td>
<td>(ADB, Clean Air Asia)</td>
</tr>
<tr>
<td>Action through</td>
<td></td>
</tr>
<tr>
<td>Climate and</td>
<td></td>
</tr>
<tr>
<td>Other Funds</td>
<td></td>
</tr>
<tr>
<td>(Part 1)</td>
<td></td>
</tr>
<tr>
<td>Science-based</td>
<td>Science-based Policy Making and Action for Clean Air: Asia experience sharing and exchange (part 1)</td>
</tr>
<tr>
<td>Policy Making</td>
<td>(Peking University, Clean Air Asia)</td>
</tr>
<tr>
<td>and Action for</td>
<td></td>
</tr>
<tr>
<td>Clean Air:</td>
<td></td>
</tr>
<tr>
<td>Asia experience sharing and exchange (part 1)</td>
<td></td>
</tr>
<tr>
<td>From Data to</td>
<td>From Data to Solutions: How cities use monitoring data to plan and implement solutions</td>
</tr>
<tr>
<td>Solutions:</td>
<td>(Clean Air Asia, Ricardo, ADB)</td>
</tr>
<tr>
<td>How cities use</td>
<td></td>
</tr>
<tr>
<td>monitoring data</td>
<td></td>
</tr>
<tr>
<td>to plan and</td>
<td></td>
</tr>
<tr>
<td>implement</td>
<td></td>
</tr>
<tr>
<td>solutions</td>
<td></td>
</tr>
<tr>
<td>Clean Cooking</td>
<td>Clean Cooking and Heating Solutions (USEPA, Clean Cooking Alliance, CCAC)</td>
</tr>
<tr>
<td>and Heating</td>
<td></td>
</tr>
<tr>
<td>Solutions</td>
<td></td>
</tr>
<tr>
<td>(USEPA, Clean</td>
<td></td>
</tr>
<tr>
<td>Cooking Alliance, CCAC)</td>
<td></td>
</tr>
<tr>
<td>Financing</td>
<td>Financing Clean Air Action through Climate and Other Funds (Part 2)</td>
</tr>
<tr>
<td>Clean Air</td>
<td>(ADB, Clean Air Asia)</td>
</tr>
<tr>
<td>Action through</td>
<td></td>
</tr>
<tr>
<td>Climate and</td>
<td></td>
</tr>
<tr>
<td>Other Funds</td>
<td>(Part 2)</td>
</tr>
<tr>
<td>(ADB, Clean Air</td>
<td></td>
</tr>
<tr>
<td>Asia)</td>
<td></td>
</tr>
<tr>
<td>Science-based</td>
<td>Science-based Policy Making and Action for Clean Air: Asia experience sharing and exchange (part 2)</td>
</tr>
<tr>
<td>Policy Making</td>
<td>(Peking University, Clean Air Asia)</td>
</tr>
<tr>
<td>and Action for</td>
<td></td>
</tr>
<tr>
<td>Clean Air:</td>
<td></td>
</tr>
<tr>
<td>Asia experience sharing and exchange (part 2)</td>
<td></td>
</tr>
</tbody>
</table>

**11:30 – 16:00** COFFEE BREAK & NETWORKING

**16:00 – 17:30** BREAK OUT SESSIONS:

**18:00 – 20:00** WELCOME COCKTAILS
DAY 2 MAIN CONFERENCE | PLENARY SESSIONS
Main Auditorium

09:00 – 10:30 - OPENING PLENARY

KEYNOTE PRESENTATION: Sectoral cooperation under the New Operating Model, and role of clean air action in achieving climate financing target of ADB and helping DMCs achieve SDGs
Bruno Carrasco, Director General, Climate Change and Sustainable Development Department, Asian Development Bank

Action on air pollution to protect human rights [Video Message] Dr. David Boyd, UN Special Rapporteur on human rights and environment, Associate Professor at University of British Columbia (Virtual)

PANEL DISCUSSION: Sectors Working Together to Achieve Clean Air for Health and the Climate
Sectoral actions are key to fighting air pollution, climate change and sustainable development goals. This panel discussion will elaborate on the proven as well as the most promising solutions in the energy, transportation, industry, urban development, agriculture, household energy, and waste sectors to achieve clean air, health, climate and sustainable development goals; and how sectors can work together to achieve optimal results.

Moderator: Clean Air Asia / ADB
Panelists:
- Transport/cross sectoral
  Manoj Sharma, Director, Water and Urban Development Sector Office, Asian Development Bank
- Link between transport and power
  WANG Zhenpo, Professor, Beijing Institute of Technology and Secretary, National Big Data Alliance of New Energy Vehicles
- Link between AQM and GHG emissions reduction planning
  Hadika Jamshaid, Ministry of Climate Change, Pakistan
- Link between agriculture and clean energy solutions
  Dr. Tran Dai Nghia, Director, Department of Natural Resources and Environmental Economics Studies, and Head of Climate Change Research Group, Institute of Policy and Strategy for Agriculture & Rural Development (IPSARD), Vietnam
- Link between housing, clean cooking and heating
  Anobha Gurung, Clean Cooking Alliance (Nepal)
- USEPA experience in integrated approach to air quality and climate change solutions and of sectoral agencies working together
  Mark Kasman, Director, Office of International Affairs, Office of International and Tribal Affairs, US Environmental Protection Agency

11:00 - 12:30 - PANEL DISCUSSION

OPENING KEYNOTE: Air quality and climate change in cities: Trends and opportunities in Asia
Dang Espita-Casanova, Program Manager, Clean Air Asia

FIRESIDE CHAT: With special focus on the importance of developing clean air roadmaps/plans as a systematic approach for acting and role of decision-makers in initiating momentum and sustaining commitment.
Emcee: Dr. Fu Lu, China Director, Clean AirAsia
Moderator: Milag Ballesteros, Regional Director for East, Southeast Asia and Oceania, C40
Panelists:
- Hon. Joy Belmonte, Mayor, Quezon City Government, Philippines
- Hon. Jeevan Khatri, Mayor, Changunarayan Municipality, Kathmandu Valley, Nepal
- Mr. Decky Priambodo Koesrindartono, Head of Planning Agency, Tangerang City, Indonesia *

PANEL DISCUSSION: CITIES FORUM: Clean Air and Climate Solutions from Cities, for Cities
To learn from city representatives the key milestones, challenges and opportunities of their cities in their efforts to clean the air and adopt low-carbon solutions; and their recommendations for other cities that want to combat air pollution.

Moderator: Dr. Archana Walia, India Director, Clean Air Asia
Panelists:
- Dr. K. S. Jayachandran, Special Secretary, Environment Department, Delhi Secretariat and Member Secretary, Delhi Pollution Control Board, India (Virtual)
- Ms. Luu Thanh Chi, Deputy Director, Hanoi Environmental Protection Agency, Vietnam
- Ms. Hoang Thu Hong, Head of the Propaganda Department, Hanoi Women's Association, Hanoi, Vietnam
- Mr. Davit Aslanishvili, Project Manager, Tbilisi Transport and Urban Development Agency, (TUDA), Tbilisi, Georgia
- Beijing Municipal Ecology and Environment Bureau, PRC Representative*

*to be confirmed
**BACKGROUND**

Today's ports and shipping sectors face enormous challenges and opportunities. With the adoption of the IMO's 2023 revised GHG strategy and the EU's Fit for 55, the shipping sector must accelerate decarbonization by transitioning from fossil fuels to zero emission fuels, and ports, which serve as important transportation hubs that provide shipping services and facilitate global trade, must secure supply of zero emission fuels and can provide incentives to ship operators with good environmental performance.

Asia, the world's leading maritime cargo handling centre, accounted for 42% of exports and 64% of imports (UNCTAD, Review of Maritime Transport 2022), and possessed 50 of the top one hundred container ports. As a result, Asia is one of the most critical regions that need to take action to minimize environmental impacts from the port and shipping sectors, while supporting global shipping to achieve net-zero GHG emissions by 2050.

Many studies, policies, and industry initiatives are currently underway to promote the adoption and commercialization of zero-emission fuels, with some countries taking the lead in exploring the pathways, such as the Maritime Singapore Green Initiative, the green shipping corridor between the San Pedro Bay Port Complex and Singapore, and the green shipping corridor between the Port of Los Angeles and the Port of Shanghai. It is critical to enable information sharing and stakeholder discussion among Asian countries to foster Asia's decarbonization efforts.

This session discusses the status of green ports and maritime development in Asian countries, as well as the most recent regulatory and decarbonization endeavours. Built on that, this session will discuss the solutions in Asia and create space for regional cooperation.

**OBJECTIVE**

The session aims to highlight opportunities for Asian countries to decarbonize ports and shipping. Participants will have the opportunity to:

- Gain an understanding of existing policies and efforts in Asia to reduce emissions from ports and shipping,
- Discuss the challenges and opportunities for Asian countries under the 2023 IMO GHGs Strategy and the EU’s fit for 55,
- Learn about renewable energy fuels and green shipping corridor development,
- Investigate cooperation potentials in Asia.

**SESSION ORGANIZERS**

Clean Air Asia
BACKGROUND
Effective air quality management requires continuous access to accurate air pollution measurements that inform compliance and impact assessments, as well as policy development and implementation. Different techniques and technologies are being employed but key principles remain to make sure that the data collected matches the air quality monitoring objectives, meets the target data coverage, and demonstrate accuracy and reliability.

Technological and policy developments in the field of air quality monitoring require constant capacity building. Clean Air Asia recognizes the need for opportunities to share the latest information on air quality monitoring techniques and approaches, from ground-based (reference-grade and low-cost) to remote sensing monitoring. The strengths, challenges, limitations, and applications of each monitoring system type will be discussed in this session, highlighting how the various approaches contribute to the development of effective policies and actions in addressing air pollution challenges.

OBJECTIVES
This session aims to highlight how different air quality monitoring systems are set-up, operated, and maintained, and how it complements air quality management efforts.

It will provide an overview of the latest development in this field and give participants an opportunity to discuss with global experts monitoring techniques and technologies and their implications on air quality management in different regions. The sharing of knowledge, experiences, and lessons learned are envisioned to foster collaboration among experts in the field, contributing to the development of strategies to tackle the air pollution issue in the region.

SESSION ORGANIZER
Clean Air Asia
**BACKGROUND**
Short-Lived Climate Pollutants (SLCPs) such as methane, black carbon, tropospheric ozone, and hydrofluorocarbons have contributed to up to 45% of net warming to date and have significant impacts on human health and the environment. Moreover, the 2022 Sixth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) highlighted the imperative to slash methane emissions by 2030 which has a global warming potential 80 times greater than carbon dioxide over a 20- year period. However, historically, SLCPs including methane have not been adequately addressed in policy making at the national and subnational level. By incorporating SLCPs mitigation in subnational plans (state and local climate action plans) and national policies (NDCs, carbon neutrality targets), governments can accelerate implementation of climate targets to stay on a pathway to 1.5°C; attract greater investment to scale up action; and deliver immediate socio-economic benefits to our communities and enhance our food and agriculture systems.

To rise up to this imperative, this session brings together the experience and expertise of actors across subnational governments, civil society organizations and others that are working on integrating SLCPs in policy making across key economic sectors. The session will also discuss the opportunities and challenges that come from ambition to implementation of these policies, and the role climate finance can play in unlocking solutions to slash SLCPs in our lifetimes for the people and the planet.

**OBJECTIVE**
(i) Understand the importance and benefits of SLCP mitigation on climate, health and the environment

(ii) Learn about the opportunities and challenges of integrating SLCPs in public policy

(iii) Understand how climate finance can unlock fast action on SLCP to collectively meet our 1.5°C aligned climate goals and maintain thriving communities and ecosystems.

**SESSION ORGANIZERS**
Global Methane Hub, CCAC/IGES Waste Initiative

<table>
<thead>
<tr>
<th><strong>PROGRAMME</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEYNOTE PRESENTATION</strong></td>
</tr>
<tr>
<td>Heather Adair Rohani, Acting Lead, Air Quality and Health, World Health Organization</td>
</tr>
</tbody>
</table>

**PANEL DISCUSSION**
Moderator: Manjyot Ahluwalia, Regional Lead, Global Methane Hub

Panelists:
- Erni Pelita Fitratunnisa, Head, Pollution and Environment Degradation Control Division, Jakarta Environment Agency
- Vivek Chandran, Director, Climate Insights, Shakti Sustainable Energy Foundation
- Anna Song, Methane, Solutions for Our Climate, South Korea
- Akshat Patni, State Coordinator, IGSD

**CLOSING REMARKS**:
Martina Otto, Head of Secretariat, Climate and Clean Air Coalition
**OBJECTIVE**
This session will be a deep dive into the available resources to finance clean air and climate solutions. Panelists will share the key criteria for accessing funds from their respective organizations and also unpack the financing challenges and present ways to address them.

**SESSION ORGANIZERS**
Asian Development Bank, Clean Air Asia

<table>
<thead>
<tr>
<th>PROGRAMME</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MODERATOR</strong></td>
</tr>
<tr>
<td>Karma Yangzom, Principal Environment Specialist, Asian Development Bank</td>
</tr>
</tbody>
</table>

**OPENING**
Warren Evans, Special Senior Advisor, Climate Change, Office of the President, Asian Development Bank

**PRESENTATIONS**
- Yaxin Yan, Investment Operations Specialist, AIIB*
- Mr. Marcus Mayr, Climate Change Urban Sector Senior Specialist, Green Climate Fund-virtual
- Sojung You, International Cooperation Specialist, Air Quality Policy Division Ministry of the Environment, Korea- virtual
- Jasmine Bourne, British Embassy Manila
- Tatsuya Yanase/Takahiro Murayama, JFJCM, Asian Development Bank

**OPEN FORUM**

**CLOSING REMARKS**
*to be confirmed*
**BACKGROUND**

Atmospheric chemistry research has been growing rapidly in China in the past decades, the better understanding of sources and emission inventories, atmospheric chemical processes, interactions of air pollution with meteorology, weather and climate, and health effects has provided robust scientific support to highly successful air pollution control policies in China.

China has achieved significant improvements in overall air quality while undergoing rapid developments in terms of national economy, industrialization, and urbanization. In 2013-2021, China’s overall annual average PM$_{2.5}$ and SO$_2$ concentrations have fallen by approximately 56% and 78%, respectively. Significant improvements in air quality have resulted in substantial health benefits, including increased life expectancy, reduced premature death related with air pollution, and savings in medical expenditures.

We believe the developing and low-income Asian countries that are heavily affected by air pollution can benefit from these research advances, science-based policies and experiences in air quality management.

This session will be a joint event effort of Peking University and Clean Air Asia, supported by projects, including Basic Research on the Causes and Response Mechanisms of Atmospheric Complex Pollution in China (NNSF), China Air Report: 10-Year Special Issue (CAA), Health Effects Assessment of China’s Air Quality Improvement (CAA and PKU), and Monsoon Asia Integrated Study for Sustainability (Future Earth and PKU)

**OBJECTIVE**

The session aims to inspire more countries and cites in Asia to move toward cleaner air and green transition and identify opportunities for research and practice training, exchange and collaboration. The session will discuss the following:

- Sources and emission inventories
- Atmospheric chemical processes
- Interactions of air pollution with meteorology, weather and climate
- Health effects
- Key progress in policies

**SESSION ORGANIZERS**

Peking University, Clean Air Asia, with support from NNSF, MAIRS-FE
BACKGROUND

Today’s ports and shipping sectors face enormous challenges and opportunities. With the adoption of the IMO’s 2023 revised GHG strategy and the EU’s Fit for 55, the shipping sector must accelerate decarbonization by transitioning from fossil fuels to zero emission fuels, and ports, which serve as important transportation hubs that provide shipping services and facilitate global trade, must secure supply of zero emission fuels and can provide incentives to ship operators with good environmental performance.

Asia, the world’s leading maritime cargo handling centre, accounted for 42% of exports and 64% of imports (UNCTAD, Review of Maritime Transport 2022), and possessed 50 of the top one hundred container ports. As a result, Asia is one of the most critical regions that need to take action to minimize environmental impacts from the port and shipping sectors, while supporting global shipping to achieve net-zero GHG emissions by 2050.

Many studies, policies, and industry initiatives are currently underway to promote the adoption and commercialization of zero-emission fuels, with some countries taking the lead in exploring the pathways, such as the Maritime Singapore Green Initiative, the green shipping corridor between the San Pedro Bay Port Complex and Singapore, and the green shipping corridor between the Port of Los Angeles and the Port of Shanghai. It is critical to enable information sharing and stakeholder discussion among Asian countries to foster Asia’s decarbonization efforts.

This session discusses the status of green ports and maritime development in Asian countries, as well as the most recent regulatory and decarbonization endeavours. Built on that, this session will discuss the solutions in Asia and create space for regional cooperation.

OBJECTIVE

The session aims to highlight opportunities for Asian countries to decarbonize ports and shipping. Participants will have the opportunity to:

- Gain an understanding of existing policies and efforts in Asia to reduce emissions from ports and shipping.
- Discuss the challenges and opportunities for Asian countries under the 2023 IMO GHGs Strategy and the EU’s fit for 55.
- Learn about renewable energy fuels and green shipping corridor development.
- Investigate cooperation potentials in Asia.

PROGRAMME

Part 2: Green Ports and Shipping Development Status in Asia: Challenges and Opportunities

RECAP OF FIRST SESSION

Bert Fabian, EANET, UN

PRESENTATION

- Tightening GHG Regulations for International Shipping: Implications for Asian Countries
  Huihui Cheng, Transport Program Manager, Clean Air Asia
- Green Energy Transition in Ports and Shipping Sector: Opportunities and Challenges
  Ninan Biju Oommen, Senior Port & Maritime Transport Specialist, The World Bank*
- Outlook of Green Shipping Corridors: Feasibility and Approach
  Shane Balani, Director of Research and Projects, Global Centre for Maritime Decarbonization*

STAKEHOLDER DIALOGUE

Moderator: Freda Hung,
Panelists: All speakers joined by representatives from Methanol Institute* and Lloyd’s Register*

CALL FOR ACTION: Asian Green Shipping Corridor Consortium

Huihui Cheng, Transport Program Manager, Clean Air Asia

*to be confirmed
OBJECTIVE
This event will bring together national policy makers, regulatory authorities, public health specialists, NGOs, and ADB project officers to discuss how cities can use monitoring data to plan and implement air quality solutions.

The session aims to discuss how cities can use monitoring data to plan and implement air quality solutions. The sessions will provide case studies and knowledge sharing on topics including data strategies in low-income countries, using sensors to identify pollution hotspots, and opportunities for public engagement using data from monitoring stations. Furthermore, lessons learned on how to maximize the use of data towards the planning process and implementation of policies and other actions will be highlighted.

This will be a 1.5 hour in-person workshop at Better Air Quality 2023 conference. The following provides further detail on the plan for the event.

SESSION ORGANIZERS
Asian Development Bank, Clean Air Asia, Ricardo

PROGRAMME

OPENING
Karma Yangzom or other senior official, Asian Development Bank*

EVENT OVERVIEW
Tom Buckland, Associate Director, Ricardo

PRESENTATIONS
• CAF and Breathe Cities Data Strategy
  Sean Maguire, Director of Strategic Partnerships, CAF
• Public engagement & hotspot identification
  Joanne Green, Associate Director, Ricardo
• Case study on ensuring data to action at the city level: The Quezon City Air Quality Management Project
  Everlyn Tamayo, Air and Climate Change Science Lead, Clean Air Asia

PANEL DISCUSSION
Moderator: Tom Buckland, Ricardo
Panelists: All Previous Speakers

FOLLOW UP SURVEY

CLOSING
Karma Yangzom or other senior official, Asian Development Bank*

*To be confirmed
### BACKGROUND

Cooking and heating in homes in Asia and throughout the world are a significant contributor to ambient air pollution (20% globally, significantly higher in Asian cities depending on region and season), CO2 emissions (an estimated 2% of global emissions), are the largest controllable source of Black Carbon, result in an estimated 3.2 million premature deaths annually, and have significant gender inequity and livelihood impacts.

### OBJECTIVES

This session aims to inform the audience about recently published information showing the significant contribution of household air pollution to ambient air pollution and the importance of reducing these emissions to achieve Clean Air goals in Asia and elsewhere; highlight clean cooking and heating implementation activities in China and Nepal; present research results on why energy access is not enough for choosing clean cooking fuels and what determines coal consumption in two central Asian countries; discuss recent developments on how household energy projects can demonstrate a clear and important Black Carbon mitigation benefit and an initiative to develop robust cooking and carbon methodologies to inject confidence into this market; and the activities of the Clean Cooking and Carbon Consortium to work with country governments on their Nationally Determined Contribution implementation activities.

### SESSION ORGANIZERS:

US Environmental Protection Agency, Clean Cooking Alliance, Climate and Clean Air Coalition

### PROGRAMME

**OPENING REMARKS:**

Ms. Olivia Brinks, US Environmental Protection Agency

**PRESENTATION**

- Household Air Pollution to Ambient Air Pollution  
  Dr. Ajay Pillarisetti, Professor, University of California, Berkeley*
- Accelerating Action on Household Energy in Nepal  
  Dr. Anobha Gurung, Clean Cooking Alliance
- Accelerating Action on Household Air Pollution in China  
  Shu Tao (TBC), Professor, Peking University
- Research Results on Cooking and Heating in Central Asia  
  Dr. Dina Azhgaliyeva, Asian Development Bank*
- Importance of Black Carbon Mitigation and Development of New Cooking and Carbon Methodology  
  Dr. Michael Johnson, Berkeley Air Monitoring Group
- Clean Cooking and Carbon Consortium (4C) Initiatives  
  Mr. John Mitchell, US Environmental Protection Agency

**CLOSING:**

Ms. Olivia Brinks, US Environmental Protection Agency

*to be confirmed
OBJECTIVES
Following the deep dive into the available resources to finance clean air and climate solutions in Part 1, in this ‘matchmaking’ session, government representatives will present clean air project proposals that need financing and challenges in securing financing. Financiers then will respond and give advice, including on how to address these challenges from the perspectives of their respective organizations.

SESSION ORGANIZERS
Asian Development Bank, Clean Air Asia

PROGRAMME

OPENING
Erdenetuya Darinchuluun, Director’s Advisor, Asian Development Bank

PRESENTATION
• India NCAP representative*
• Mr. Timur Abylaev, Deputy Director of the Bishkek City Development Agency and Investment Attraction, Kyrgyzstan
• Mr. Enkhbat, Head of the Working Unit Environmental Pollution Reduction Committee Mongolia

FIRST ROUND OF FEEDBACK FROM PANEL OF FINANCIERS
• ADB*
• AIIB*
• Urban Resilience Trust Fund*
• Republic of Korea*
• MOEJ (JCM & JFJCM)*
• Mr. Marcus Mayr, Climate Change Urban Sector Senior Specialist, Green Climate Fund
• Mr. Rui Luo, Director for Asia-Pacific, Climate and Environment Program, Bloomberg Philanthropies (Breathe Cities)

PRESENTATION (continued)
• City 1 from TA9608 City Clean Air Action Plans: Hon. Romeo Salda, Mayor, La Trinidad Municipality
• City 2 from TA9608 City Clean Air Action Plans: Ms. Ngo Nguyen Ngoc Thanh, Vice Director, Ho Chi Minh Environmental Protection Agency*

SECOND ROUND OF FEEDBACK FROM PANEL OF FINANCIERS (Same as Round 1)

CLOSING REMARKS:
Erdenetuya Darinchuluun, Director’s Advisor, Asian Development Bank

*to be confirmed
BACKGROUND
Atmospheric chemistry research has been growing rapidly in China in the past decades, the better understanding of sources and emission inventories, atmospheric chemical processes, interactions of air pollution with meteorology, weather and climate, and health effects has provided robust scientific support to highly successful air pollution control policies in China.

China has achieved significant improvements in overall air quality while undergoing rapid developments in terms of national economy, industrialization, and urbanization. In 2013-2021, China’s overall annual average PM$_{2.5}$ and SO$_2$ concentrations have fallen by approximately 56% and 78%, respectively. Significant improvements in air quality have resulted in substantial health benefits, including increased life expectancy, reduced premature death related with air pollution, and savings in medical expenditures.

We believe the developing and low-income Asian countries that are heavily affected by air pollution can benefit from these research advances, science-based policies and experiences in air quality management.

This session will be a joint event effort of Peking University and Clean Air Asia, supported by projects, including Basic Research on the Causes and Response Mechanisms of Atmospheric Complex Pollution in China (NNSF), China Air Report: 10-Year Special Issue (CAA), Health Effects Assessment of China’s Air Quality Improvement (CAA and PKU), and Monsoon Asia Integrated Study for Sustainability (Future Earth and PKU).

OBJECTIVE
The session aims to inspire more countries and cites in Asia to move toward cleaner air and green transition and identify opportunities for research and practice training, exchange and collaboration. The session will discuss the following:

- Sources and emission inventories
- Atmospheric chemical processes
- Interactions of air pollution with meteorology, weather and climate
- Health effects
- Key progress in policies

SESSION ORGANIZERS
Peking University, Clean Air Asia, with support from NNSF, MAIRS-FE

Part 2: Action for Clean Air

RECAP AND OVERVIEW
Lu Fu, China Director, Clean Air Asia

PRESENTATION
- National Clean Air Actions and Experiences Sharing
  Jingnan Hu, Director, Institute of Atmospheric Environment, Chinese Research Academy of Environmental Sciences

- Municipal Clean Air Actions and Experiences Sharing
  Huajun Wei, Director, Monitoring Division, Shanghai Municipal Bureau of Ecology and Environment

- Health Effects of Air Pollution: China Progress and Regional Challenges in Asia
  Tao Xue, Associate Professor, Peking University

- China’s 10-Year Path Toward Cleaner Air: An Asian Perspective
  Wei Wan, China Program Director, Clean Air Asia

ASIAN DIALOGUE
Facilitator: Dr. Lu Fu, China Director, Clean Air Asia
Participants: All Previous Speakers
Panelists:

- Dr. Sakda Tridech, Director of Air Quality and Noise Innovation Sub-division, Pollution Control Department, Thailand (Virtual)
- Erni Pelita Fitratunnisa, Head, Environmental Pollution Division, Jakarta, Indonesia
- Raphael de Leon, Officer, Bataan Province Government, Philippines or other representatives from govt of Philippines*

OPEN FORUM
CLOSING REMARKS
Lu Fu, China Director, Clean Air Asia

*to be confirmed