

Asia Clean Blue Skies Program Launch

7 September 2022

Suwon, South Korea | Zoom

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Preparatory Phase Knowledge Sharing Events

Glynda Bathan-Baterina

Deputy Executive Director

Clean Air Asia

glynda@cleanairasia.org



Preparatory Phase Knowledge Sharing Events

Objectives

- **Build the capacity** of ADB staff from regional departments, resident missions, developing member countries (DMCs), and all interested stakeholders **on air quality management topics**
- Through the events, share **best practices, case studies on successful projects and measures, and the latest developments** in the field



Target audience

- DMC officials and stakeholders, and ADB staff from all regional departments and the private sector operational department



Preparatory Phase Knowledge Sharing Events

- Series of online webinars on specific topics of relevance to improving air quality
 - Held from November 2021 to June 2022
- Topics selected based on engagement with and feedback from ADB regional departments and private sector operations department and resident missions
 - High-level dialogue on synergies to meet the challenges of clean air and climate
 - Practical solutions for improving air quality in investment projects
 - Urban planning and transport solutions
 - City level air quality monitoring strategies
- Air quality information pills
 - Available from: <https://vimeo.com/showcase/9033594> [password ACBS]



High level dialogue on Clean Air: Strengthening Local Synergies to meet Global Climate Challenges

(22 Nov 2021)

Workshop discussions:

- Discussed how **clean air initiatives** can strengthen local synergies to meet the challenges of global **climate change**
- Keynote on **PRC's national action plan and success in the BTH region** and carbon neutral strategy

OPENING REMARKS



BAMBANG SUSANTONO
Vice-President for
Knowledge Management
and Sustainable Development,
Asian Development Bank (ADB)

KEYNOTE SPEECH



HE KEBIN
Academician of the Chinese Academy of Engineering
Professor, School of Environment of Tsinghua University
Dean of the Tsinghua University Institute for Carbon Neutrality

PANELISTS



PRIYANTHA WIJAYATUNGA
Chief of Energy Sector Group,
Sustainable Development
and Climate Change, ADB



RAMESH SUBRAMANIAM
Director General,
Southeast Asia Regional
Department, ADB



M. TERESA KHO
Director General,
East Asia Department,
ADB

MODERATOR



QINGFENG ZHANG
Chief of Rural Development and
Food Security Thematic Group,
concurrently OIC, Chief of
Environment Thematic Group

CLOSING REMARKS



BINDU LOHANI
Chair, Board of Trustees, Clean Air Asia
Chief Advisor, IFF Global Green Growth Center (GGGC)
Distinguished Adjunct Faculty, Asian Institute of Technology, Thailand



KSE 1: Training on Practical Solutions for Improving Air Quality in Investment Projects

(22-23 Nov 2021)

Workshop discussions:

- Upstream planning and designing investment projects with **air quality benefits**
- Examples of **technical solutions to reduce air pollution** under different sectors and how they can be successfully **incorporated into project design**



1. Upstream planning and designing air quality positive projects – Experience and lessons from the World Bank and ADB’s Mongolia Policy Based Loan
2. Project Spotlight 1: Indonesia’s Transjakarta BRT Project
3. Project Spotlight 2: The Beijing – Tianjin – Hebei Air Quality Improvement Program in the People’s Republic of China (PRC)
4. Project Spotlight 3: The award winning approach of Takachar to transforming agricultural waste biomass into marketable products
5. Project Spotlight 4: Delivering air quality improvements through energy sector projects in India and Bangladesh
6. Project Spotlight 5: Maldives waste to energy project



KSE 2: Opportunities for improving air quality through urban planning and transport solutions

(10 May 2022)

Workshop discussions:

- Examples of **successfully implemented transport and urban development projects** that have resulted in an **improvement in air quality**
- Opportunities to **track performance of projects in terms of air quality benefit**, to ensure improvements are recognised and accounted for



The challenge of air pollution in urban environments

EVERLYN TAMAYO
Clean Air Asia



How to improve emissions from the transport sector

CHARLES MELHUIISH
Transport Policy and Economics



Improving air quality through cleaner fuels & vehicles, and mass transit: Case of Bangkok

SUPAT WANGWONGWATANA
Thammasat University



The Berlin Low-Emission Zones: impacts and challenges

MARTIN LUTZ
Berlin Air Quality Management



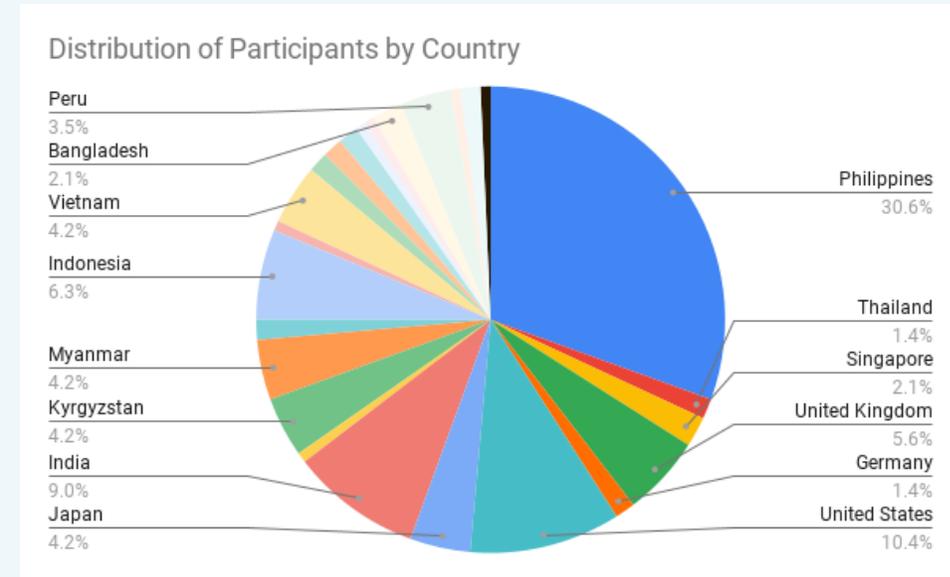
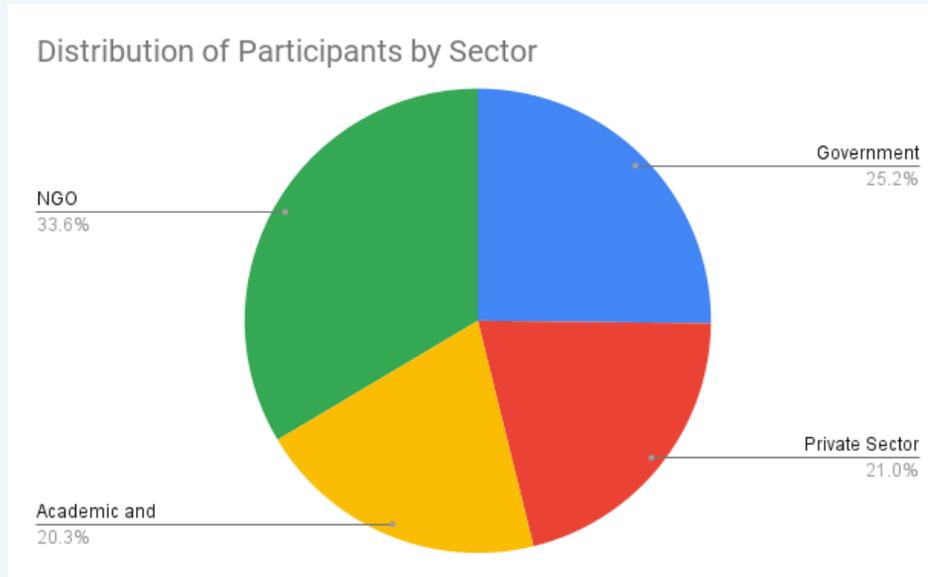
Tracking the air quality benefits of urban transport projects

THOMAS ADAMS
Ricardo Energy & Environment



KSE 2: Opportunities for improving air quality through urban planning and transport solutions

- There were a total of **144** attendees: 31 from the ADB and 135 researchers, consultants, specialists, and decision-makers from academic, government, and private industries



KSE 3: City-level air quality monitoring strategies

(15 June 2022)

Workshop discussions:

- The use of **air quality monitoring** to better understand the **relationship between urban development and air quality**
- **Innovative approaches** to air quality data collection and how this data can provide a **critical tool in achieving air quality targets and sustainable development goals**



KARMA YANGZOM
Asian Development Bank



GLYNDA BATHAN-BATERINA
Clean Air Asia



MARK BROOMFIELD
Ricardo Energy & Environment



Key principles, significance, and innovations in air quality monitoring

EVERLYN TAMAYO
Clean Air Asia



Collection and use of air quality data: Case of Riyadh

STEVE TELLING
Ricardo Energy & Environment



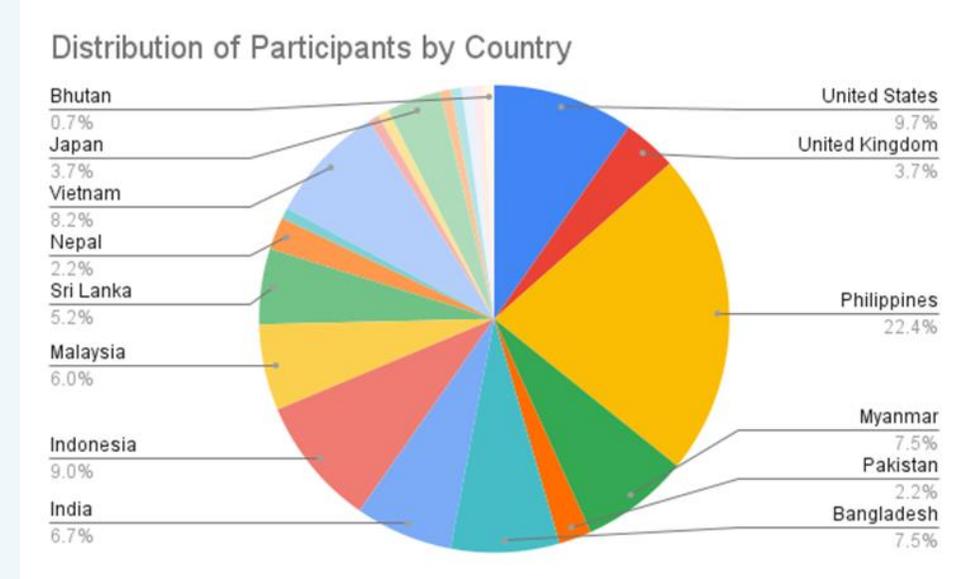
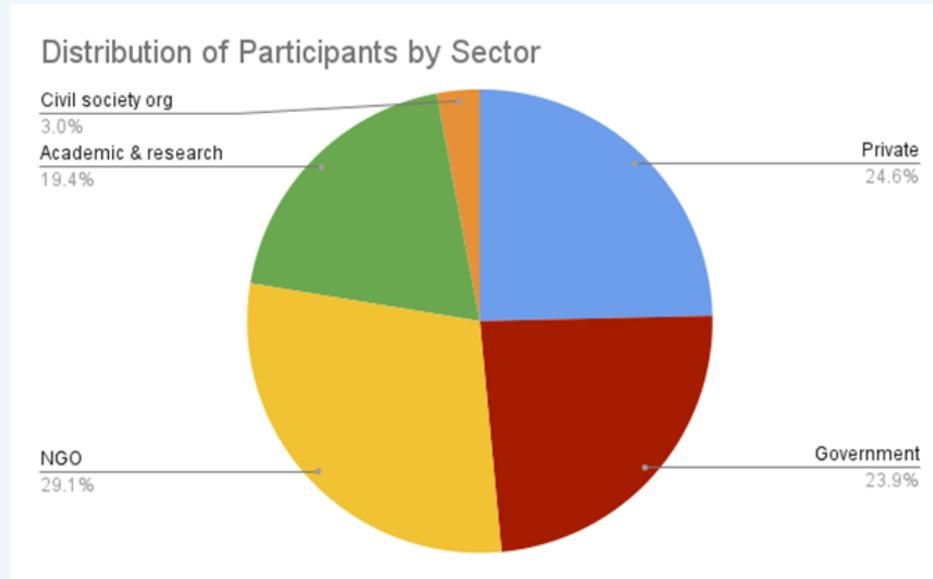
Air quality monitoring data modeling to design and track project impacts

THOMAS BUCKLAND
Ricardo Energy & Environment



KSE 2: Opportunities for improving air quality through urban planning and transport solutions

- There were a total of **134** attendees, mostly attendees from civil society organizations and governments (similar to KSE2)



Air Quality Information Pills

- Air quality information pills – available from:
<https://vimeo.com/showcase/9033594>
[password ACBS]
- Overview presentations (10-15 minutes each) on air quality topics
 - COVID-19 and Air Quality
 - Approaches to Air Quality Monitoring
 - Managing Dust Impacts from Construction and Demolition
 - *More to be added shortly*

Introduction

Contents:

- The impact of COVID-19 on air quality in Asia
- How impacts different between regions
- Introduced measures to control the spread of the virus
- Observed changes in air quality levels
- Air quality, human health, and economic development



ADB



Feedback on the Knowledge Sharing Events

“There were multiple key points made by all speakers that allowed me to understand the relevance of urban planning and transport solutions on air quality and mitigating air pollution. Citing examples like the Berlin LEZ is deeply appreciated and motivating.”

“Several insights from the air pollutants and their ratio in the atmospheric environment of Bangkok’s atmosphere, and the emission from construction activities should be considered to include diesel burning from the machines.”

“I gained a new knowledge regarding on air quality monitoring system.”

“The monitoring and the air quality management part is very important for my field.”

“I would like a training program on atmospheric modelling, application of programming languages in data analysis regarding air pollution.”



Thank you for listening!

*For self-paced learning materials on Air Quality Management, please visit the Clean Air Asia IBAQ Programme Learning Portal:
<https://learning-cleanairasia.org/>*

