

Integrated Programme for Better Air Quality in Asia (IBAQ Programme)

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Clean Air Asia is an international non -governmental organization that leads the mission for better air quality and healthier, more livable cities in Asia.



A UN recognized partnership network comprised of more than 250 organizations around the world, including country partners in the region

Integrated Programme for Better Air Quality in Asia (IBAQ Programme)

Objective: To improve air quality and strengthen climate action, and contribute to more livable and healthy cities in Asia

Focus: Cities with high impact potential and potential for leveraging wider change

Clean Air Asia is overall lead with implementing partners **IGES** and **ACAP**

Supported by the **Ministry of Environment** of Japan

Phase 1: 2014 to 2019

Phase 2: 2019 to present







Capacity building Technology transfer Guidance Framework Training needs Technology needs assessment assessment Tailored training Technology coprograms innovation IBAQ Learning Portal Financing technologies • IBAQ City Solutions **Toolkit Implementation** Design Clean air and climate action plans

Integrated Programme for Better Air Quality in Asia (IBAQ Pogramme): 2014 to present

Policy guidance and outreach

Guidance
Framework as a
pioneering approach
for capacity
assessment and
roadmap
development for key
AQM and climate
change mitigation
components

First attempt in the region to look at AQ and CC from a holistic perspective and address issues using an integrated and needs -based approach

Capacity building and in -country support for AQM and CC actions

Designing AQ and CC solutions through Clean Air and Climate Action Plans based on current capacities

Expanded reach through the IBAQ Learning Portal and City Solutions Toolkit

Provided guidance on financing, including JCM, to ensure sustainability of programs for AQM and climate change mitigation Regional cooperation for AQ and CC

Facilitated collaboration, sharing of knowledge and best practices across cities Asia for strengthened AQM and climate change mitigation through Clean Air Knowledge Network and CAAP development

Established community of practice on sustainable and inclusive solutions for AQ and CC.

Air quality monitoring support

PM and O ₃ monitors deployed in 7 countries across the region (Cambodia, Indonesia, Lao PDR, Mongolia, Myanmar, Philippines, Vietnam)

Assessed technology needs and established technology roadmaps for IBAQ cities Operationalizing clean air strategies and measures

IBAQ has engaged various businesses in Japan and in the region

Facilitated
Technology
Roundtables in
Japan and India

Facilitated discussions on technology solutions through regional technology fair

Advanced implementation of AQ and CC solutions through financing and co-innovation



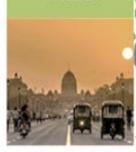
Strengthening the capacity of governments for clean air and climate action planning (CAAP)

Mongolia



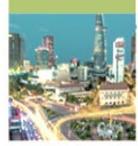
- National Action Program on Reducing Air Pollution
- National Emissions Inventory for Mongolia
- Capacity building for CAAP development in 22 cities/provinces
- CAAP development in Erdenet

India



- AQM capacity assessment in 30 cities
- Capacity building for CAAP development in Indian Cities
- National emissions inventory guideline for industries
- Clean Air Action Plan for Can Tho
- CAAP development in Ho Chi Minh and Vinh Yen

Viet Nam



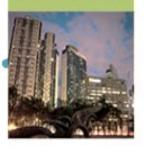
- CAAP development in Faridpur, Bangladesh; Sialkot and Peshawar cities and provinces in Pakistan (Sindh, KPK, Balochistan, Punjab)
- Methane roadmap for Pakistan

- Regional knowledge sharing platforms for AQM
- Capacity building for CAAP components in over 100 Chinese cities
- Clean Air Action Plan for Iloilo, Cagayan de Oro, La Trinidad, Marikina, Manila, Quezon City, Santa Rosa
- Establishment of air quality monitoring network in Manila and Quezon City
- Emission inventory for Iloilo, Santa Rosa, Pasig, Las Pinas, Manila, Marikina, Paranaque, Baguio, Quezon City
- Emission inventory, air quality modeling, and health impact assessment for La Trinidad, Limay and Mariveles
- Health mapping in Manila and Quezon City
- SLCP National Action Plan and Methane Roadmap for the Philippines
- Clean Air Action Plan for Bogor and Tangerang
- Capacity building for health impact assessment and CAAP development for Indonesia cities













Policies related to Air Quality Management in the Philippines

01

THE PHILIPPINE CLEAN AIR ACT OF 1999 (REPUBLIC ACT 8749)

Main guiding document outlining mandate of the government and steps to ensure air quality management in the country.



DENR ADMINISTRATIVE ORDER 2000-81 (RA 8749 IRR)

Detailed implementing guidelines of the Philippine Clean Air Act.



DENR ADMINISTRATIVE ORDER 2000-82 (IAQIF-AQCAP)

Detailed implementing guidelines to "serve as the official blueprint with which all government agencies must comply with to attain and maintain clean and healthy air," through the Integrated Air Quality Improvement Framework (IAQIF) – Air Quality Control Action Plan (AQCAP).



DENR ADMINISTRATIVE ORDER 2013-13 & 2020-14 (ESTABLISHING PM_{2.5} STANDARDS)

Establishment of the guideline values for PM_{2.5}, and its AQI breakpoints, which were not included in RA 8749 and its IRR. Also includes monitoring



DENR EMB MEMORANDUM CIRCULAR NO. 2020-003 (CEMS FOR INDUSTRY EMISSIONS)

Streamlining of a uniform Data Acquisition and Handling System (DAHS) as a repository for Continuous Emissions Monitoring Systems (CEMS) and Continuous Opacity Monitoring System (COMS) data for industry emissions.



AQM Programs and implementation: Opportunities

□ National Air Quality Control Action Plan

- Develop implementation guidelines, frameworks, and roadmaps consistent with sector -specific goals
- Convene stakeholders and provide technical inputs to support the updating of the NAQCAP; November 2024: Call
 for public comments through Facebook on the draft Department Administrative Order

☐ Air quality monitoring

- Strengthen air quality monitoring system for more comprehensive, real -time data
- Enhance use of data for policy development and assessment, action plan development, and target setting

☐ Emission source identification

Harmonize methods, coordinate efforts, and integrate datasets for emission inventory development

☐ Assessment of health and socio —economic impacts of air pollution

Increase resource and capacity for studies assessing health and associated costs of air pollution

☐ Airshed approach to air quality management

 Target capital cities per airshed as a strategic approach as it offers potential for replication among other local government units; capital cities are the main urban emission source for their respective airsheds



AQM Programs and implementation: Opportunities

- ☐ Clean air and climate action plan development, financing, and implementation
 - Strengthen capacities of government and non -government stakeholders to conduct evidence -based planning especially for air quality and climate action
 - Mainstream air quality and climate targets in city plans and streamline processes to identify synergies,
 maximize gains, and minimize trade -offs in identifying development targets
 - Increase capacity for finance planning and resource mobilization to support action plan implementation
 - Facilitate technology co -creation and exchange of best -practice among industries, cities, and countries



Bridging clean air knowledge, policy, technology, and financing solutions with governments and other stakeholders in the region











- 766 participants from 39 countries
- 117 presentations, 53 digital posters
- 32 panel discussions, 12 pre-events
- 26 partner organizations
- 10 exhibitors and start-ups

60+ projects identified needing funding

- Regional Cooperation (ESCAP, EANET)
- AQM in the Indo-Gangetic Plains & Himalayan Foothills (ICIMOD, World Bank)
- Collaboration to Promote Integrated Actions (IIASA, MOEJ, IGES)
- Science-based policy making and action for clean air (Peking University, Clean Air Asia)
- City Roundtable (ADB, Ricardo, Logika, Clean Air Asia)



Thank you!

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