



IN PARTNERSHIP WITH



# Data-Driven Governance for Clean Air in Quezon City

**Vanessa Claire B. Vinarao**

*Climate Change and Environmental Sustainability Department  
Quezon City, Philippines*



# Air Quality in a rapidly urbanizing Quezon City

Land Area : 161.12 sq km

Population : 3.2 million

- **Largest** in Metro Manila, Philippines both in land area and population
- **Communities:**
  - 6 districts
  - 142 communities (barangays)
- **Green Lung of Metro Manila** with the most extensive green space with about 16 sq.m. of green and open space per capita



# From Vision to Policy Direction

- **International Commitments:**
  - C40 Clean Air Cities Accelerator
  - Breathe Life Campaign
  - Bloomberg Cities Idea Exchange - Air Sensors Solution
- **Enhanced Local Climate Change Action Plan** that commits to reduce GHG by 30% by 2030 and pursue carbon neutrality by 2050
- **Air Quality Management Plan**
  - Emissions inventory
  - Emission reduction targets
  - Thematic areas and interventions



# Building the Evidence-Base



## Air Quality Monitoring Network

- 93 non-reference sensors
- 1 reference equipment



## Dissemination of Air Quality Index Map in Quezon City Government online platforms



## Policies and actions anchored on AQ data



## Collaboration through Whole-of-City Governance


- Institutionalization of the Quezon City **Air Quality Technical Working Group**
- Multi-stakeholder engagement through the **Clean Air Public Forums**  
*#CleanAirforQC: Scaling Up Inclusive and Collaborative Clean Air Solutions*  
*#CleanAirforQC: Quezon City's Air Pollution Solution*
- Executive and Legislative collaboration for the development and enactment of **City Policies**

# Mobilizing Communities as Advocates for Cleaner Air

- **Community Workshops**  
in 142 communities
  - Capacity Building on Air Quality Action
  - Air Quality Reporting
- Registered **500 Clean Air Advocates**  
as of December 31, 2025
- Recognized **42 Clean Air Advocate Reporters**




# Implementing Clean Air Measures in Schools



## KALIDAD NG HANGIN

<b>AIR QUALITY INDEX ALERT LEVEL 3</b>	<b>SUSPENDIDO ANG KLASE SA MGA PAMPUBLIKONG PAARALAN:</b> <ul style="list-style-type: none"> <li>• Child Development Centers</li> <li>• Kindergarten</li> <li>• Grades 1 - 12</li> <li>• Alternative Learning System</li> </ul>
<b>AIR QUALITY INDEX ALERT LEVEL 4</b>	Pinauubaya naman sa mga pribadong paaralan at Higher Education Institutions ang pagsuspende ng kanilang klase.
<b>KAPAG ANG AQI REPORT NG DENR-EMB PARA SA QC AY UMABOT SA EMERGENCY LEVEL</b>	Walang pasok sa lahat ng antas ng pampubliko at pribadong paaralan



**Air Quality Alert Levels in Class Suspension Guidelines**



Bike-to-School Research Study Pilot Project



Informative Activity Book for Children

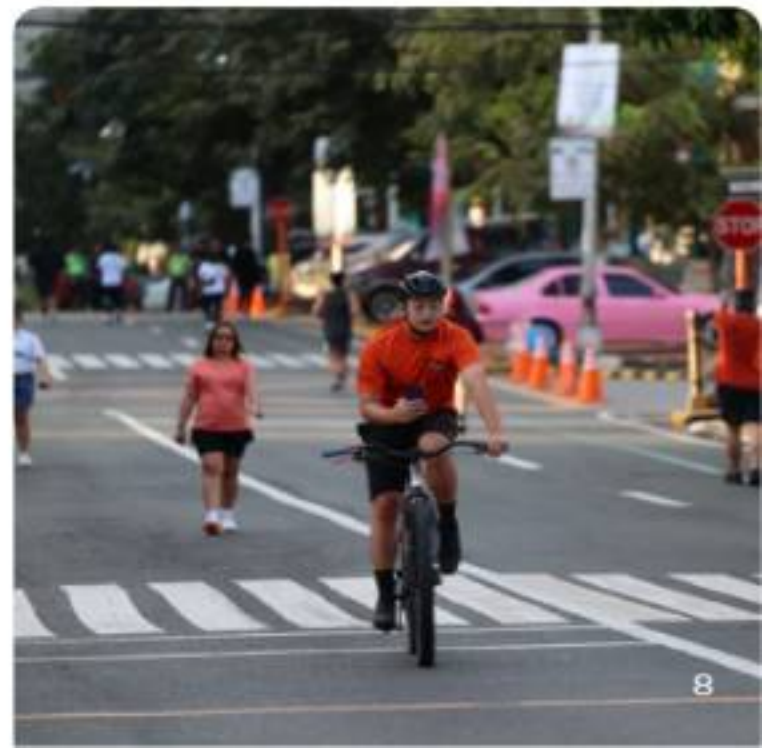


# Scaling Sustainable Mobility Across the City

Electric Vehicle Transition

Active Transport Infrastructure

Car-free Carefree Initiative



# Improving Air Quality through **Urban Greening**



Quezon Memorial Circle Redevelopment Masterplan



Elevated Landscape Promenade



La Mesa Watershed Redevelopment



Public Parks and Open Spaces

# Improving Air Quality through **Urban Greening**



# Green Building & Energy Efficiency for Cleaner Air



Green Building Code Amendment



Solarization of City Buildings



Energy Efficiency & Conservation



# Making Air Quality a Shared Responsibility

- Political commitment creates direction
- Data management creates accountability
- Collaboration sustains progress and routine delivery





**LIVEABLE CITIES**  
PHILIPPINES

AI AND SMART CITIES  
**CoLab**  
CONNECT. COLLABORATE. COMMUNICATE.

**Thank you for listening!**

---

Contact Us:

**Email:**

[ClimateChange@quezoncity.gov.ph](mailto:ClimateChange@quezoncity.gov.ph)

**Phone:**

+639 02 8988-4242  
locals 8349, 8359, 8360

**Facebook Page:**

[www.fb.com/qc.climatechangedepartment](https://www.fb.com/qc.climatechangedepartment)

