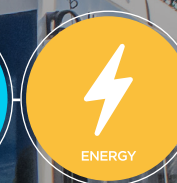


PROGRAM TO IMPROVE AIR QUALITY IN MEXICO CITY - PROAIRE

SINCE 1990

MEXICO VALLEY METROPOLITAN ZONE

MEXICO CITY GOVERNMENT & METROPOLITAN ENVIRONMENT COMMISSION



PROJECT GOALS

- Improve air quality and reduce ozone concentration levels
- Reduce health risks from air contaminants
- Reduce greenhouse gas emissions

Since 1990, the Mexican government has created four Comprehensive Programs Against Air Pollution, which have become increasingly ambitious and include strategies for transport, planning, environmental education, and reforestation.

The current program, ProAire IV, contains 81 measures and 116 actions across eight themes:

- reduction of energy consumption
- cleaner and more efficient energy across all sectors
- promotion of public transport and regulation of fuel consumption
- technology shift and emissions control
- environmental education and sustainability
- culture and citizen participation
- green areas and reforestation
- institutional capacity building and scientific research
- strengthening of health protection

Specific initiatives include fuel quality standards, a no-driving-day program, bus fleet renewal, subway and bike-sharing expansion, and air monitoring system modernization.

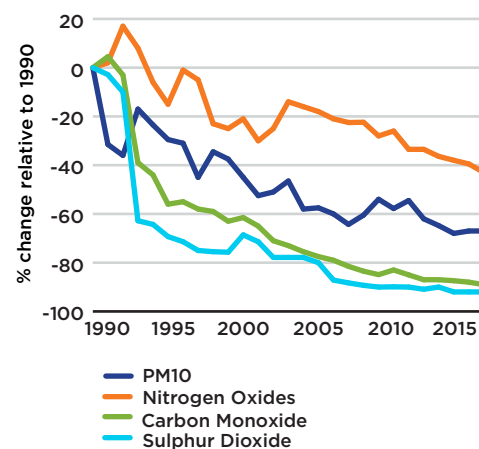
OVERCOMING OBSTACLES

The main obstacles of the programs included securing financing, documenting health impacts, and coordinating among the participating governments. These issues all prompted Mexico City (CDMX) to become more involved in coordination.

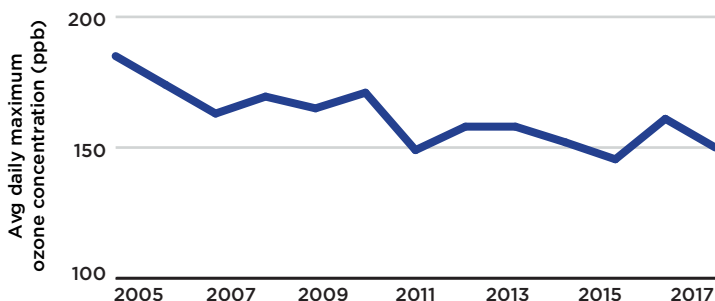
CDMX is working with national and international institutions to develop information on mortality and morbidity, secure a robust air quality monitoring system (SIMAT), and promote the evaluation of health impacts and economic costs.

To address funding, CDMX has its own financing for the development of health protection and environmental improvement actions, supported by the federal government, the Federal District Environmental Fund (Mexico City), and the Environmental Fund for Climate Change. Funding has been enhanced by private sector contributions, including investments in industrial facilities, new automobile technologies, and public transportation.¹

AIR QUALITY IMPROVED WHILE CO₂ EMISSIONS FELL²



IMPROVEMENT OF AIR QUALITY IN MEXICO CITY 2005–2017³



LEADERSHIP AND COLLABORATION

ACADEMIA

Over 5 institutions
(D, E, I)

BUSINESS

At least 7 business
associations (A, F, I)

GOVERNMENT

At least 20 local, 6 state,
10 federal governments (A,
D, F, I)

HEALTHCARE

Secretariat (A, I)

SOCIAL MISSION

At least 10 NGOs (A, I)

A: Advocacy, D: Design,
E: Evaluation, F: Funding,
I: Implementation

The federal government initiated the Comprehensive Program Against Air Pollution, PICCA, in 1990. During the second program period, ProAire II (1995-2000),⁶ the Metropolitan Environmental Commission (CAM) was created to coordinate between government levels. Since then, ProAire III (2002-2010)⁷ and ProAire IV (2011-2020)⁸ have been led by Mexico City in coordination with CAM and with support from the health, transport, social development, water, and energy sectors.

BENEFITS



CONTACT INFORMATION

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SEMARNAT
SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES



**GOBIERNO DEL
ESTADO DE MÉXICO**

CDMX
CIUDAD DE MÉXICO



REPLICATION

Shortly after ProAire II was launched in the Mexico Valley Metropolitan Zone (ZMVM), other zones and states throughout Mexico developed programs. As of October 2017, there were 20 active ProAire programs at the state level, with 12 others under development.⁴

State ProAire programs have inspired a federal program, Megalopolis ProAire 2017-2030,⁵ an air quality improvement program derived from the needs to integrate the 20 ongoing ProAire programs and expand ZMVM ProAire's scope to adjacent urban areas. Megalopolis ProAire has stronger air quality, climate, and health multisolving objectives embedded in its design and is closely aligned with Mexico's UN climate pledge.

OTHER BENEFITS



JOBS & ASSETS
**HEALTH, WELL-
BEING, & SAFETY**
CONNECTION

ENERGY & MOBILITY
RESILIENCE

Multisolving at the Intersection of Health and Climate References

ProAire

¹ SEDEMA (Secretaría del Medio Ambiente del Distrito Federal). 2017. Data from SIMAT (Sistema de Monitoreo Atmosférico de la Ciudad de México).

² Camacho, Patricia, Jorge Lara, and Beatriz Cardenas. Interview and written contributions. Mexico City Secretariat.

³ Villarreal, Oscar Espinosa, César Camacho Quiróz, Julia Carabias Lillo, and Juan Ramón de la Fuente Ramírez. 1996. *Programa Para Mejorar la Calidad del Aire en la Zona Metropolitana del Valle de México 1995-2000*. Mexico: Departamento del Distrito Federal, Gobierno del Estado de México, Secretaría de Medio Ambiente, Recursos Naturales y Pesca, and Secretaría de Salud. <http://www.aire.cdmx.gob.mx/descargas/publicaciones/flippingbook/proaire1995-2000/proaire1995-2000.pdf>.

⁴ Rojas, Arturo Montiel, Andrés Manuel López Obrador, Víctor Lichtinger Waisma, and Julio Frenk Mora. *Programa Para Mejorar la Calidad del Aire en la Zona Metropolitana del Valle de México 2002-2010*. Mexico: Secretaría de Ecología del Gobierno del Estado de México, Secretaría del Medio Ambiente del Gobierno del Distrito Federal, Secretaría del Medio Ambiente y Recursos Naturales, and Secretaría de Salud. <http://www.aire.cdmx.gob.mx/descargas/publicaciones/flippingbook/proaire2002-2010/proaire2002-2010.pdf>.

⁵ Villegas, Eruviel Ávila. *Programa Para Mejorar la Calidad del Aire en la Zona Metropolitana del Valle de México 2011-2020*. Mexico: Secretaría del Medio Ambiente del Gobierno del Estado de México, Secretaría del Medio Ambiente del Gobierno del Distrito Federal, Secretaría del Medio Ambiente y Recursos Naturales, and Secretaría de Salud. <http://www.aire.cdmx.gob.mx/descargas/publicaciones/flippingbook/proaire-2011-2020-anexos/>.

⁶ SEDEMA (Secretaría del Medio Ambiente del Distrito Federal). 2017. Data from SIMAT (Sistema de Monitoreo Atmosférico de la Ciudad de México).

⁷ SEMARNAT (Secretaría del Medio Ambiente y Recursos Naturales). 2017. "Programas de Gestión para Mejorar la Calidad del Aire (ProAire)." <https://www.gob.mx/semarnat/acciones-y-programas/programas-de-gestion-para-mejorar-la-calidad-del-aire>.

⁸ SEMARNAT (Secretaría del Medio Ambiente y Recursos Naturales) and Instituto Nacional de Ecología y Cambio Climático. 2017. *Programa de Gestión Federal para Mejorar la Calidad del Aire de la Megalópolis: ProAire de la Megalópolis 2017-2030*. Mexico City, Mexico: Secretaría del Medio Ambiente y Recursos Naturales. https://framework-gb.cdn.gob.mx/data/institutos/semarnat/Programa_de_Gestión_Federal_2017-2030_final.pdf.