

# Cities accelerating action for clean air

**Mark Watts**

Executive Director

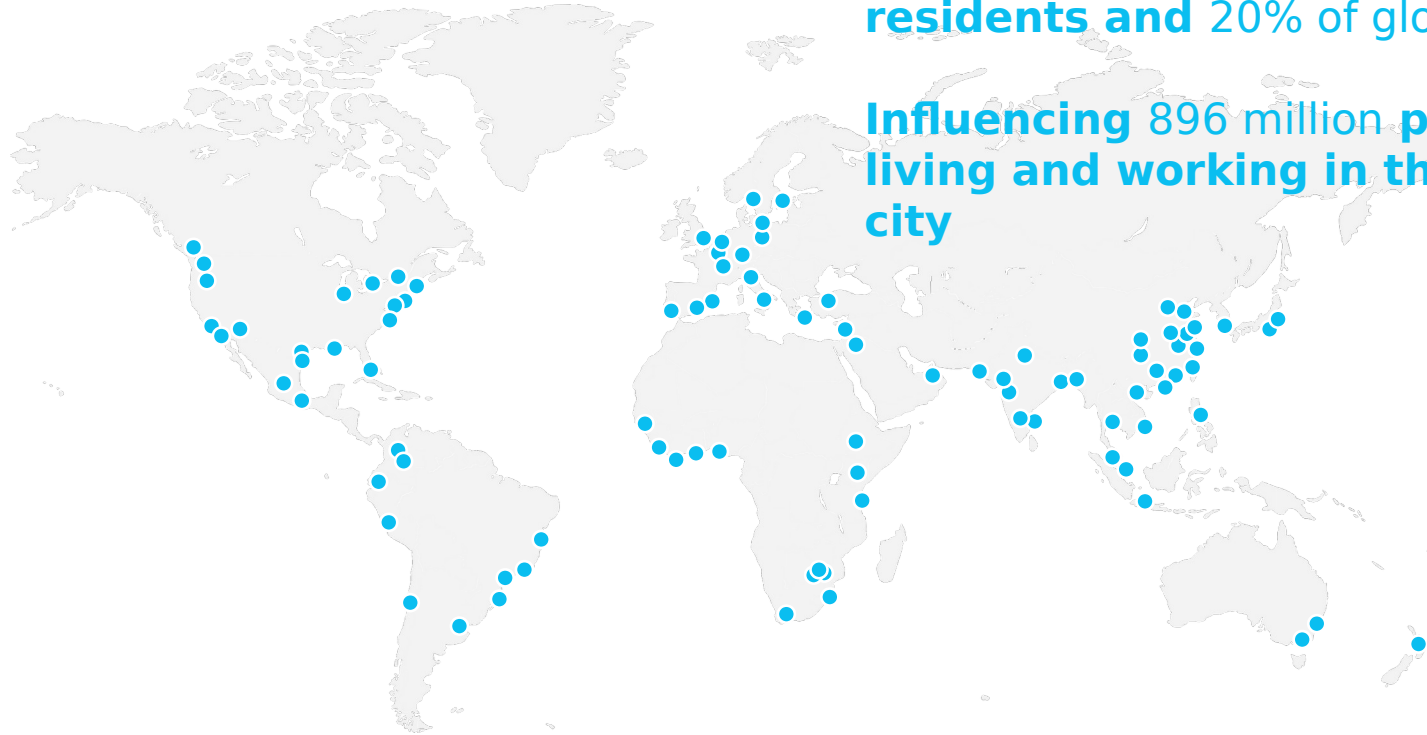
C40 Cities Climate Leadership Group



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**Directly representing 582 million residents and 20% of global GDP**

**Influencing 896 million people living and working in the wider city**



AFRICA: ABIDJAN - ACCRA - ADDIS ABABA - CAPE TOWN - DAKAR - DAR ES SALAAM - DURBAN (ETHEKWINI) - EKURHULENI - FREETOWN - JOHANNESBURG - LAGOS - NAIROBI - TSHWANE | CENTRAL EAST ASIA: BEIJING  
CHENGDU - DALIAN - FUZHOU - GUANGZHOU - HANGZHOU - HONG KONG - NANJING - SHANGHAI - SHENZHEN - QINGDAO - WUHAN - ZHENJIANG | EAST, SOUTHEAST ASIA & OCEANIA: AUCKLAND - BANGKOK - HANOI  
HO CHI MINH CITY - JAKARTA - KUALA LUMPUR - MELBOURNE - QUEZON CITY - SEOUL - SINGAPORE - SYDNEY - TOKYO - YOKOHAMA | EUROPE: AMSTERDAM - ATHENS - BARCELONA - BERLIN - COPENHAGEN - HEIDELBERG  
ISTANBUL - LISBON - LONDON - MADRID - MILAN - OSLO - PARIS - ROME - ROTTERDAM - STOCKHOLM - TEL AVIV - WARSAW | LATIN AMERICA: BOGOTÁ - BUENOS AIRES - CURITIBA - GUADALAJARA - LIMA MEDELLIN  
MEXICO CITY - RIO DE JANEIRO - SALVADOR - SÃO PAULO - SANTIAGO - QUITO | NORTH AMERICA: AUSTIN - BOSTON - CHICAGO - HOUSTON - LOS ANGELES - MIAMI - MONTRÉAL - NEW ORLEANS - NEW YORK - PHILADELPHIA  
PHOENIX - PORTLAND - SAN FRANCISCO - SEATTLE - TORONTO - VANCOUVER - WASHINGTON DC | SOUTH & WEST ASIA: AHMEDABAD - AMMAN - BENGALURU - CHENNAI - DELHI - DHAKA - DUBAI - KARACHI - KOLKATA - MUMBAI

## Mission 1: Help get the world off fossil fuels in order to halt climate breakdown by:

- Eliminating **half of fossil fuels** consumed in C40 cities by 2030
- Supporting mayors to **win the global argument** for renewables and stopping fossil fuel use



## Mission 2: Address the impacts and injustice of climate breakdown by:

- Driving the **creation of 50 million good**, green jobs in C40 cities by 2030
- Unlocking investment for climate resilience in cities
- Improve public health by **making climate a health issue**





**‘We know pollution hits the poorest and most vulnerable the hardest.’**

Mayor of London and Chair of C40, Sadiq Khan

C40  
CITIES



# Rapid Success is Possible

**5% reduction  
in annual average  
PM<sub>2.5</sub> concentrations  
in C40 cities since  
2018.**

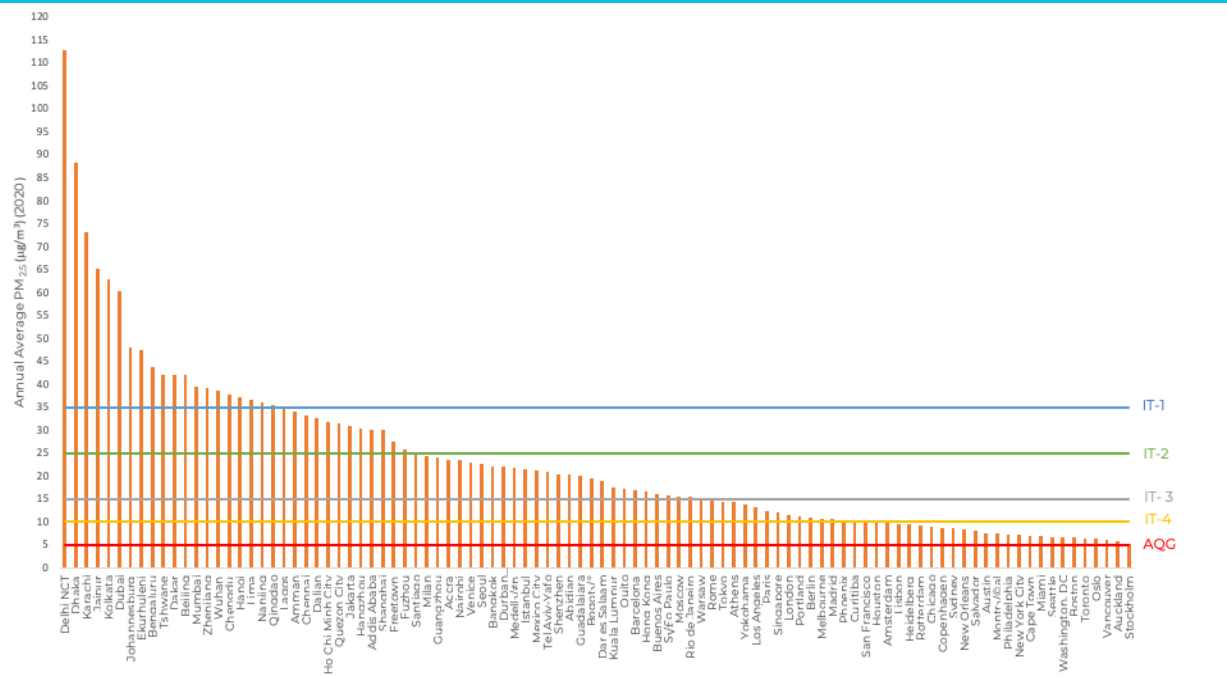
BEIJING - halved in 10 years



NEW YORK - 40% in 10 years



# Air pollution in nearly all C40 cities is at unhealthy levels



Annual Average PM<sub>2.5</sub> in C40 Cities

100%  
of C40's Cities exceed  
the WHO AQGs for PM<sub>2.5</sub>

415,000  
early deaths annually  
due to poor air quality

365,000  
new cases of pediatric  
asthma each year

# Air Pollution, Greenhouse Gases, Health and Social Justice are closely linked



Short lived pollutants increase heating



Ozone & PM2.5 increase with wildfires



Pollution hits the marginalised hardest

# C40 tracks city air quality actions to measure progress



57 cities have city-wide air quality monitoring



10 cities are shifting away from polluting fuels for heating



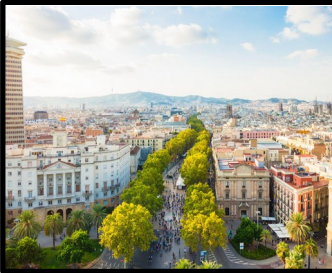
23 cities are procuring only zero emission buses



66 cities have universal waste collection



20 cities are expanding charging station network, incentivising electric car uptake, & electrifying municipal

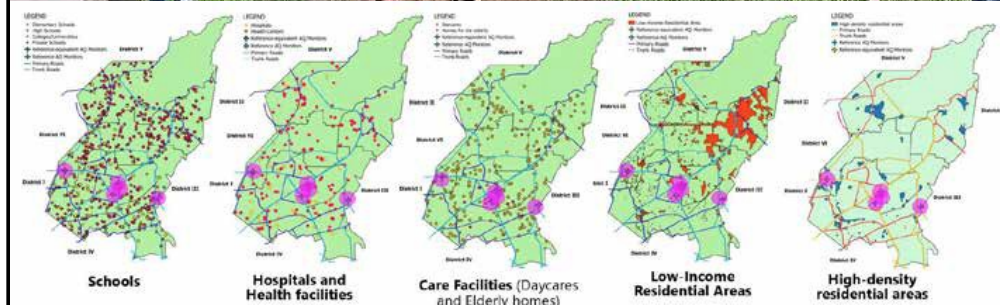


23 cities are expanding green coverage to better respond to climate change impacts (e.g. flooding, UHI)



# Expanding Air Quality Monitoring Networks to Inform Policies

- Quezon - mapping against vulnerability
- Rio - sensors monitor LEZ
- Lima - monitoring children's exposure



# Integrating Air Quality Co-Benefits into Climate Action Plans

Quezon City: benefits to health from cutting GHG

## CLEAN AIR, HEALTHY PLANET

A framework for integrating air quality management and climate action planning

*Summary for policymakers*



Release Date: November 2021





# Implementing Clean Air Zones

Seoul's **city centre Green Transport Zone** restricts the most polluting vehicles.

Barcelona's **Rondes Low Emission Zone** covers the majority of the city.

Bogota, Lima, Medellin, México City, Quito, Rio de Janeiro, Santiago, Johannesburg **are all developing a LEZ or ZEA.**

## Ulez expansion: 45% fewer 'dirty' vehicles now on London's roads, says TfL

Sadiq Khan hails 'huge progress' as progress report finds more than 95% of vehicles are now compliant

- **Ulez: what is it, how much does it cost and why is it so controversial?**



Introducing impactful policies is often politically challenging

### London's mayor faces high court challenge over Ulez expansion

Sadiq Khan to press on with plans for ultra-low emission zone despite challenge being allowed to proceed



LONDON

### BARCELONA

Court ruling against Barcelona's Low Emissions Zone unleashes criticism of Colau

Barcelona's entire municipal opposition, strongly critical of how the city's traffic emissions measures have been implemented

Jordi Palmer  
Photo: ACN  
Barcelona, Monday, 21 March 2022, 22:22  
Reading time: 4 minutes

### PARIS

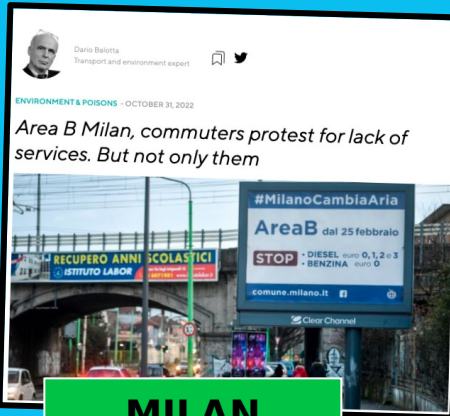
ACCUEIL - PARIS

### Automobile : La ZFE de la Métropole Grand Paris pour 2030 est-elle tenable ?

ENVIRONNEMENT La « pause réglementaire » demandée par Emmanuel Macron fait écho au report à venir de la réglementation Crit'Air 3 dans la Métropole du Grand Paris

Romark Le Douarneur | Publié le 14/05/23 à 10h02

26 COMMENTAIRES 23 PARTAGES



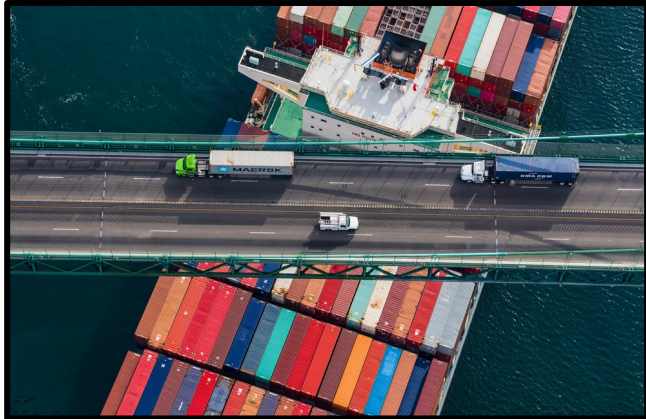
MILAN



# Expanding Access to Zero Emission Public Transport



# Reducing Emissions from Shipping





An aerial photograph of a city skyline, likely San Francisco, featuring the Transamerica Pyramid and other skyscrapers. A large river flows through the city, and a lush green forested area is visible in the foreground. The sky is filled with large, white clouds.

**City leadership is more important than ever**