

C40
CITIES

TOWARDS CLEAN AIR AND HEALTHY CITIES

TOKYO FORUM for CLEAN CITY &
CLEAR SKY, May 2018

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Agenda

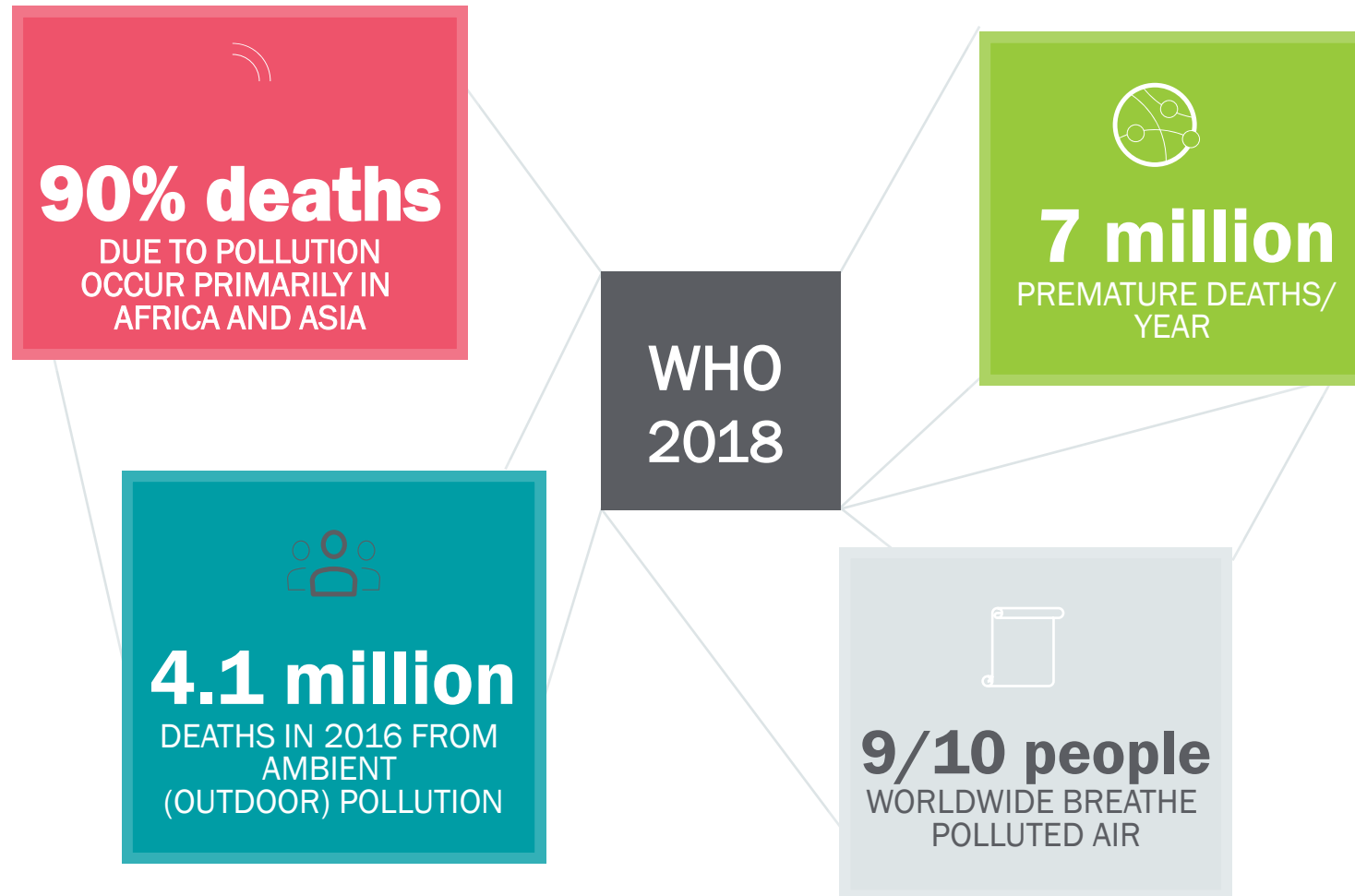
- 01.** AIR QUALITY CHALLENGES IN CITIES
- 02.** THE RELATIONSHIP BETWEEN AIR QUALITY AND CLIMATE ACTION
- 03.** AIR QUALITY AND WASTE MANAGEMENT
- 04.** SOLUTIONS: PARTNERSHIPS
- 05.** SOLUTIONS: CITY ACTIONS

01.

AIR QUALITY CHALLENGES IN CITIES



Air Pollution Key Figures



Air Quality – Global Perspective

Air quality is increasingly a priority for C40's Chair and mayors

CHALLENGES CITIES FACE IN ADDRESSING AIR POLLUTION

- Financing advanced sensors to monitor air pollution
- Overcoming lack of control over sources and jurisdictional boundaries
- Gaining political and stakeholder buy-in
- Implementing ambitious policies in focused, hotspot areas



02.

THE RELATIONSHIP BETWEEN AIR QUALITY AND CLIMATE ACTION

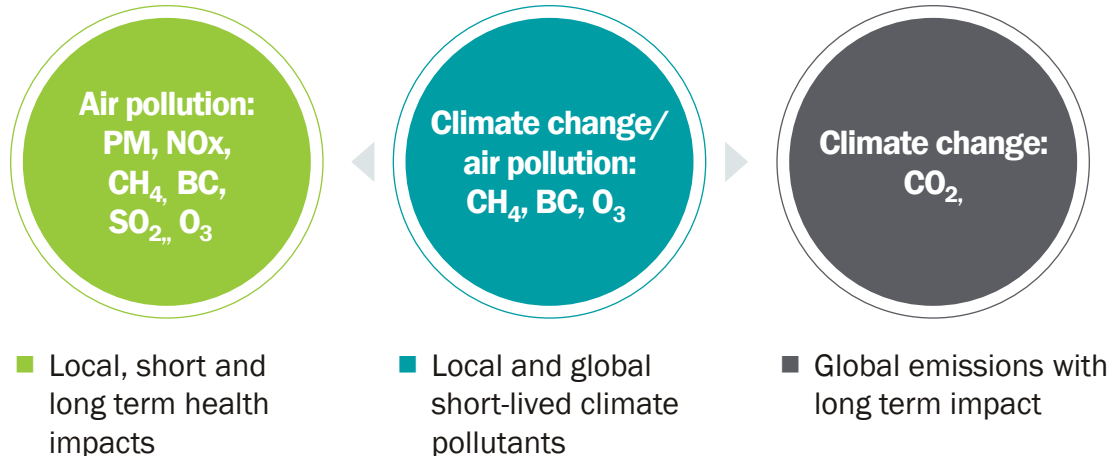


SOLUTIONS

THE RELATIONSHIP BETWEEN AIR QUALITY AND CLIMATE ACTION

Sources of pollutants and greenhouse gases are similar

Transport, power, industry, waste and land use activities are sources of:



CLEAN AIR FOR HEALTH

#AirPollution



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03.

AIR QUALITY AND WASTE MANAGEMENT



Waste management has a direct impact on air quality



Methane

- Generated when biodegradable waste, mainly food waste and green waste, is disposed in landfills and broken down by anaerobic bacteria



Credit: Ted Christian

Black Carbon

- Component of smog and PM, generated when uncollected waste is openly burned or from old diesel engines in aging waste collection and transport vehicles



CITY ACTION

- To reduce methane, black carbon and improve air quality, climate and health, cities can: divert organics from landfill, capture landfill gas from existing landfills, retire aging diesel trucks and eliminate open burning of waste

04.

SOLUTIONS: PARTNERSHIPS



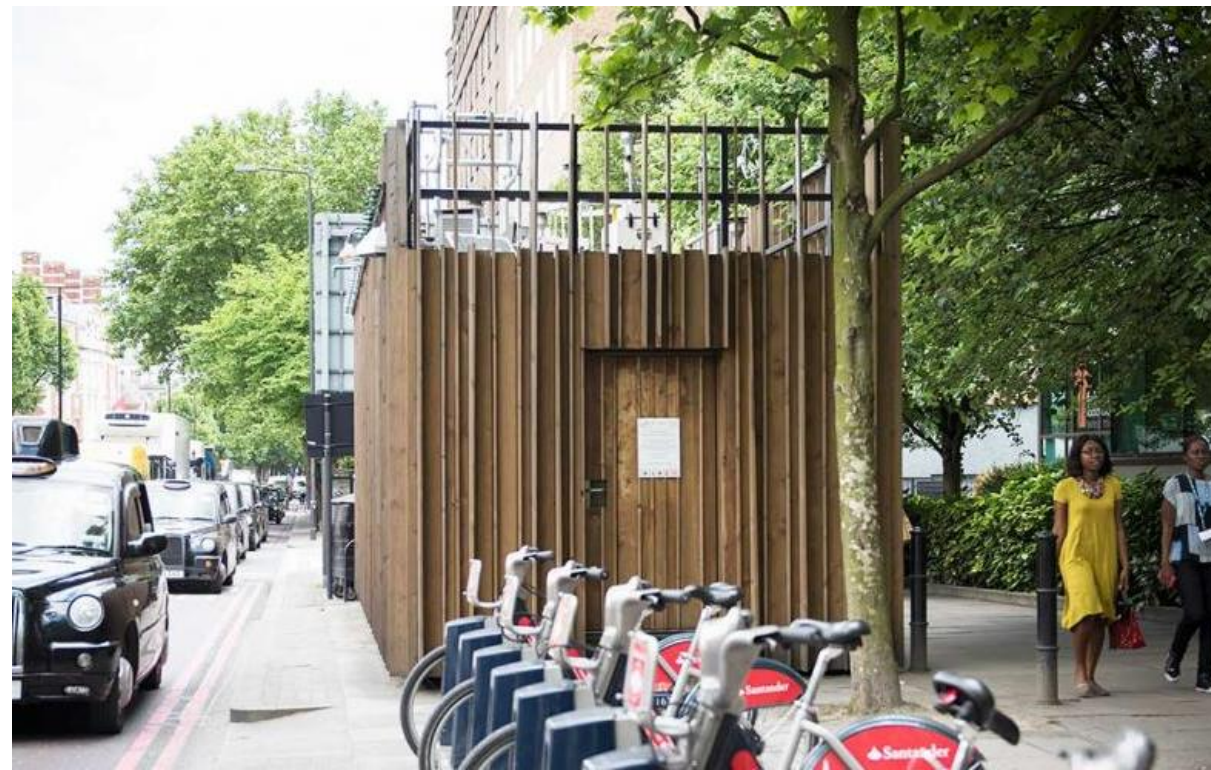
C40 Air Quality Network

BANGALORE AND LONDON TO LEAD NETWORK OF GLOBAL CITIES

The network will focus on 4 key workstreams:

- Measurement
- Air pollution drivers
- Making the case
- Policy implementation

C40 is also helping cities assess the health impacts of air pollution and develop ambitious win-win policies to improve air quality and climate change mitigation



LONDON PILOT TO DELIVER WORLD'S FIRST HYPERLOCAL MONITORING SYSTEM

The initiative aspires to:

- engage with stakeholders to trial a major \$1 million street-by-street sensor air quality monitoring system
- analyse harmful pollution in up to 1,000 toxic hot spots across the city including schools, hospitals, construction sites and busy roads
- explore the efficacy of low-cost sensors to engage citizens and influence policy

C40 Green and Healthy Streets Declaration

- Demonstrate city ambition to tackle climate change and air pollution urgently and concretely in the transport sector, in line with a Paris Agreement/Deadline 2020 emissions reduction trajectory
- Send a clear market signal to private sector for zero-emission mobility options and services



Air'volution



Mayor of Paris and Chair of C40 Cities, Anne Hidalgo and Mayor of London, Sadiq Khan, announced plans to create schemes to score new cars based on their real-world emissions and their impact on air quality. The schemes will help consumers make better informed choices about the environmental impact of the cars they drive and prevent car manufacturers from exploiting loopholes in existing labelling schemes.



Additional Partnerships...



**CLIMATE &
CLEAN AIR
COALITION**
TO REDUCE SHORT-LIVED
CLIMATE POLLUTANTS

icct
THE INTERNATIONAL COUNCIL
ON CLEAN TRANSPORTATION

BREATHELIFE.

Clean Air. Healthy Future.

Join us in breathing life back
into our cities

www.breathelife2030.org



05.

SOLUTIONS: CITY ACTIONS



Cities are taking action on air quality

Improving public health, reducing emissions and creating more liveable cities



If you could see London's air, you'd want to clean it too.

The Mayor has introduced a £10 T-Charge for older more polluting vehicles driving in central London. It's part of his bold plan to clean up London's toxic air. Find out what else he's doing at london.gov.uk/cleanair

#CleanAir

MAYOR OF LONDON

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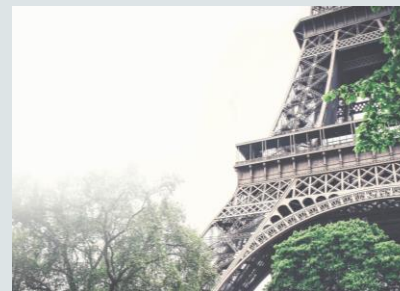
BEIJING

The first city in China to establish an environmental monitoring institution to produce air quality forecasts. Beijing closed down polluting factories, coal-fired power plants and eliminated over 2 million high-emission vehicles over the past five years.



SINGAPORE

Singapore introduced a new Vehicular Emissions Scheme (VES) in 2018 which calculates tax rebates or surcharges for new cars based on the level of emissions they produce.



PARIS

All cars entering the city must now display a sticker indicating the age and emissions of a vehicle, or face a fine. Fossil fuel vehicles will be banned by 2030 and only zero emission buses will be procured from 2025.

Thank you

CONTACT

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