

LINKING CLIMATE, HEALTH & AIR QUALITY: MOTIVATING THE SHIFT TO RENEWABLE ENERGY

Sandra Cavalieri, *Health and Household
Energy Coordinator*

GLOBAL AIR POLLUTION ISSUE

9 out of 10 people worldwide do not breathe safe air

Join us in breathing life back into our cities at
BreatheLife2030.com

BREATHELIFE
Clean air. Healthy future.



World Health
Organization



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



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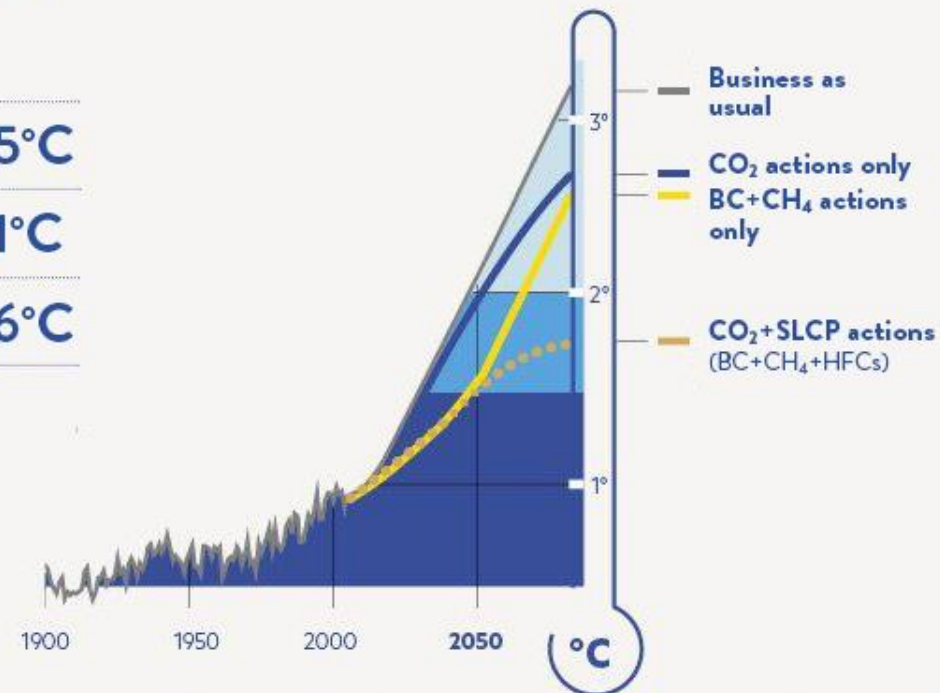
PATHWAY TO ACHIEVE 1.5°C TARGET

Achieving the Paris temperature target of 1.5°C can only be achieved by reducing both near-term and long-term climate forcers. Doing both now will also prevent millions of premature deaths from air pollution and help achieve the SDGs.

CLIMATE MITIGATION PATHWAYS

Avoided global warming by 2050

Black Carbon (BC) + Methane (CH ₄)	0.5°C
Hydrofluorocarbons (HFCs)	0.1°C
All Short-Lived Climate Pollutants	0.6°C



SIMULATED TEMPERATURE CHANGE UNDER VARIOUS MITIGATION SCENARIOS

www.ccacoalition.org/science

WHY? FOR OUR HEALTH AND OUR PLANET

THE INVISIBLE KILLER

Air pollution may not always be visible, but it can be deadly.



29%

OF DEATHS FROM
LUNG CANCER



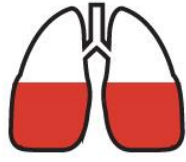
24%

OF DEATHS FROM
STROKE



25%

OF DEATHS FROM
HEART DISEASE



43%

OF DEATHS FROM
LUNG DISEASE

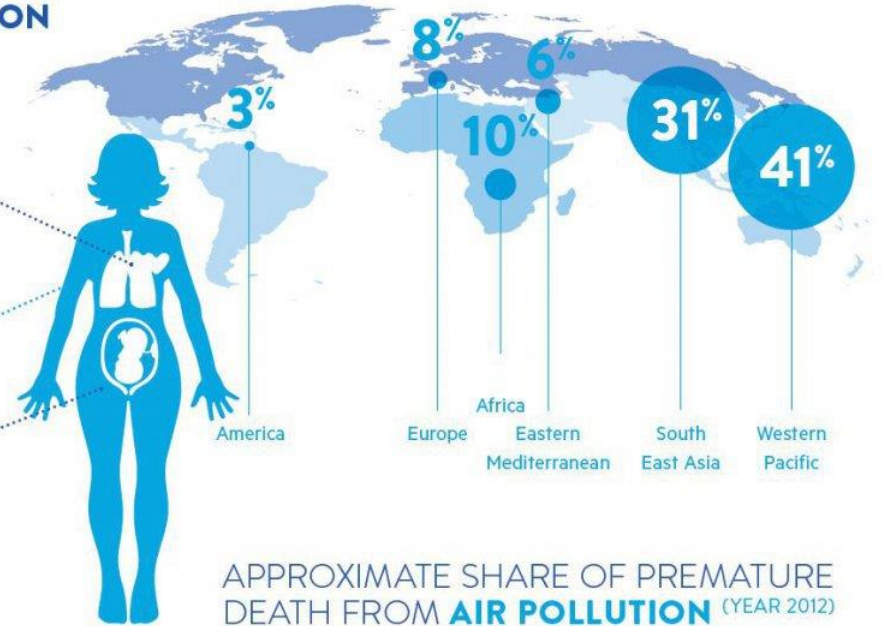
DISEASES DUE TO:

- OZONE (O₃)
- PM_{2.5} AIR POLLUTION

- Chronic obstructive pulmonary disease (COPD)
- Childhood pneumonia
- Ischaemic heart disease
- Stroke

- Asthma
- Breathing problems
- airway inflammation
- Chronic respiratory illness
- Reduced lung function

- Low birth weight



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World Health Organization



UN environment



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



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

✓ RAISE AWARENESS (BREATHELIFE2030.ORG)

BREATHELIFE

ACT NOW

NAV



A global campaign for clean air

Discover how the air in your city impacts you

Search for a city...



Join the Conversation   #BreatheLife

Tap into the BreatheLife Facebook Group Follow along on Twitter



Air Quality & Health Burden France

16,507 Annual Deaths from air pollution

Share  

✓ INCREASE CAPACITY

THE BREATHELIFE NETWORK

73

Cities, Regions & Countries

489 million

Citizens Impacted



Transport

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Waste Management

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Household air & pollution

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Energy Supply

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Industry

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Food & Agriculture

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INSPIRE ACTION

NETWORK UPDATES / SEOUL, REPUBLIC OF KOREA / 2020-05-18

SOLAR CITY SEOUL — SPARKING A RENEWABLE ENERGY NATION:

New BreatheLife video showcases how neighbourhoods are acting benefiting from Seoul's and South Korea's ambitious push for a renewable energy future

Seoul, Republic of Korea

NETWORK UPDATES / ACCRA, GHANA / 2018-08-15

FIRST COMPREHENSIVE AIR QUALITY MANAGEMENT PLAN FOR THE GREATER ACCRA METROPOLITAN AREA ANNOUNCED:

Air quality plan, coupled with new air quality standards and improved monitoring system, expected to save lives and cut asthma-related illness in the Greater Accra Region

Accra, Ghana

NETWORK UPDATES / BOGOTA, COLOMBIA / 2019-12-03

BOGOTA'S ORDER OF 379 ELECTRIC BUSES BOOSTS FLEET IN THE AMERICAS:

Electric buses are on a roll in the Americas — and they're saving their cities real money in fuel, maintenance, and healthcare costs.

Bogota, Colombia

NETWORK UPDATES / GLOBAL / 2021-04-19

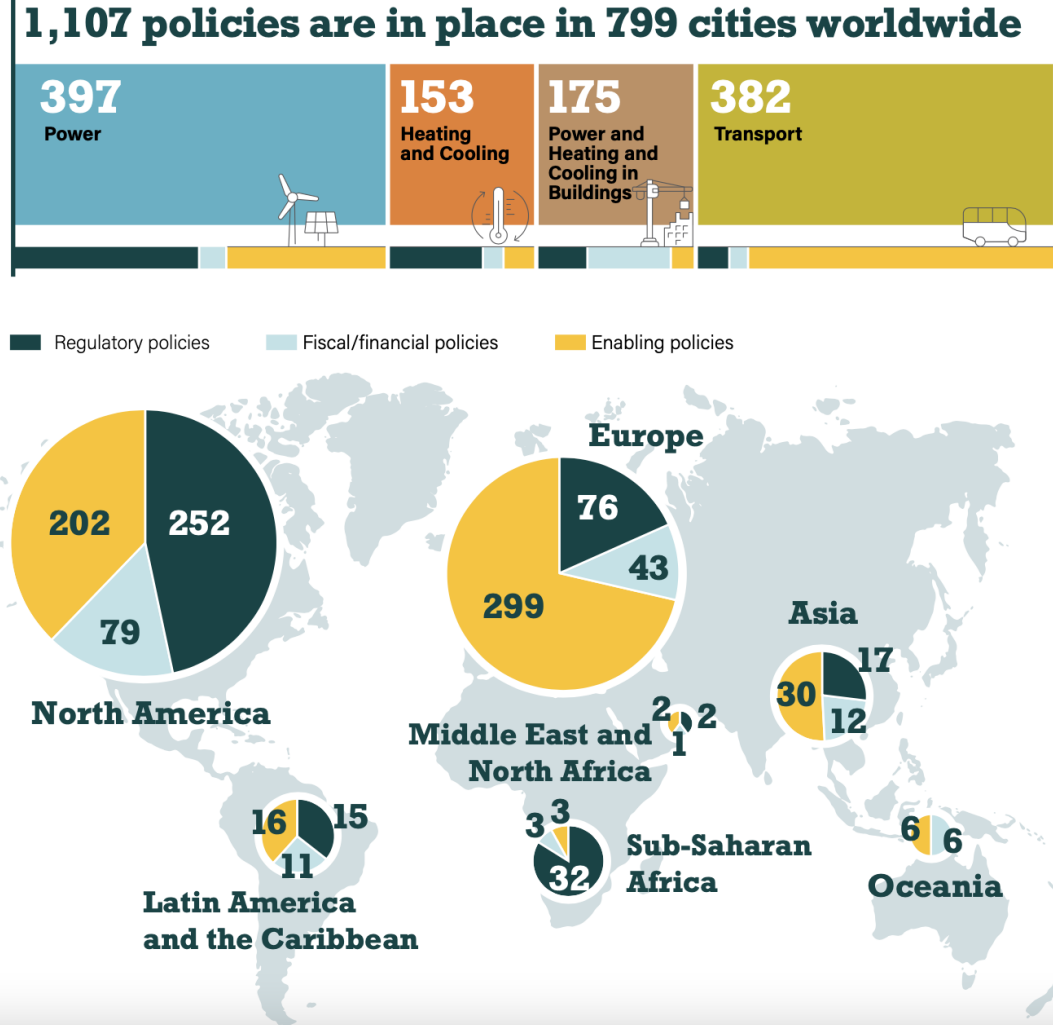
700+ CITIES COMMITTED TO HALVE EMISSIONS BY 2030 AND REACH NET ZERO BY 2050:

700 cities now part of Cities Race to Zero thanks to unique collaboration between C40 Cities, ICLEI, Global Covenant of Mayors, CDP, UCLG, WRI and WWF

Global

Renewables in Cities 2021
Global Status Report

Figure 3. Renewable Energy Policies in Cities, by Type and Region, 2020



THANK YOU



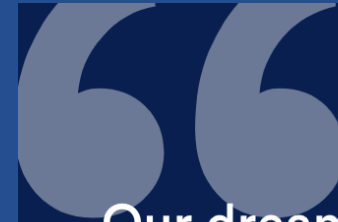
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BreatheLife2030.org



Our dream is the development of the whole city in a way that is sustainable and non-polluting, that will increase the liveability of Bengaluru for residents, and that will give other fast-growing cities examples of solutions to urban challenges."

Gangambike Mallikarjun, Mayor of Bengaluru