

CLEARING THE AIR

COMBATting AIR POLLUTION

DIFFERENT TYPES OF AIR POLLUTION



Indoor (household) air pollution caused by cooking stoves, heating and lighting



More than **3 billion people** use solid fuels and **open fires** for cooking and heating



Outdoor (ambient) air pollution caused by emissions from power generation, transport, industrial furnaces, brick kilns, wildfires, agriculture, dust and sand storms



90 out of 193 countries do not have vehicle emission standards



86% of countries practice **open burning** of agricultural and/or municipal **waste**

AIR POLLUTION: THE BIG KILLER

Each year **7-8 million people** die prematurely because of poor air quality



4.3 million deaths are attributed to **indoor air pollution from cooking**: this is mostly in **low and middle-income countries**

81,000 in Americas

99,000 in Europe

200,000 in Eastern Mediterranean

600,000 in Africa

3.3 million in South East Asia and Western Pacific

19,000 in high-income countries



2 million deaths every year caused by respiratory infections because of indoor air pollution; **800,000** of these are **children below the age of five**

3.7 million deaths attributed to outdoor air pollution

58,000 in Americas

200,000 in Europe

236,000 deaths in Eastern Mediterranean

176,000 in Africa

2.6 million in South East Asia and Western Pacific

88% in low-middle income countries

455,000 in high-income countries

Over half of world's population lives in urban areas; **only 12% of cities** have air quality measures that meet **WHO standards**

Ground level ozone impacts food security by **reducing crop yields** by up to **50 million tons** each year



Financial cost of environmentally related **health risks** are in the range of **5%-10% of GDP**, with air pollution taking the highest toll

WHAT CAN YOU DO?

Advocate for better air quality:



Provide **clean cooking and heating stoves** to rural communities



Don't **openly burn** waste



Use **cleaner-burning** fuels



Prioritize the use of **walking, cycling** or rapid **urban transit** over private vehicles



Switch to **clean diesel** and improved engines for transport and freight



Ensure industries use **clean technologies**



Have stricter vehicle emissions and efficiency **standards**



Establish, adhere to and enforce **air quality standards**



Switch from kerosene lamps to **clean lighting technologies** like solar lights



Invest in **renewable energy**



Stop emissions of **climate pollutants** such as black carbon, ozone and methane to save lives and help **reduce global warming** by **0.5C**