

7 October 2015: PM level of 59  $\mu\text{g}/\text{m}^3$

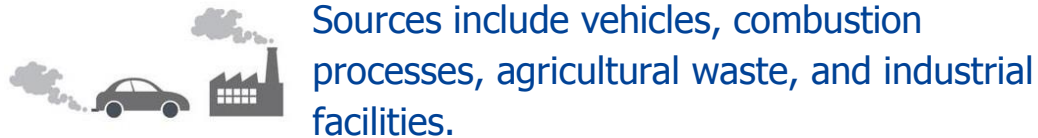
10 October 2015: PM level of 30  $\mu\text{g}/\text{m}^3$

# Bad air?



# Particulate matter (PM) — a potent air pollutant and climate forcer

## What are the sources of particulate matter?



## Why should we reduce emissions of air pollutants?



### #1 Human health

Prevent 3.7 million premature deaths caused by air pollution annually (WHO, 2012).



### #2 Food security

Prevent the loss of approx. 32 million tonnes of crops each year (CCAC, 2015).



### #3 Climate change

Reduce climate warming between now and 2050 by 0.5 °C. A simultaneous reduction of air pollutant and CO<sub>2</sub> emissions could limit global warming to 2 °C (CCAC, 2015).

**“If someone proposed that you could save millions of lives, cut global crop losses by millions of tonnes, and curb climate change by around half a degree Celsius...**

**What would you do?”**

Achim Steiner

Executive Director

United Nations Environment Programme (UNEP)

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Image: Particulate matter in Berlin