



# Addressing Climate Change and Air Pollution with Shared Solutions

2 May 2023

Health Effects Institute Annual Conference

Boston, USA



# Current State of Climate Change

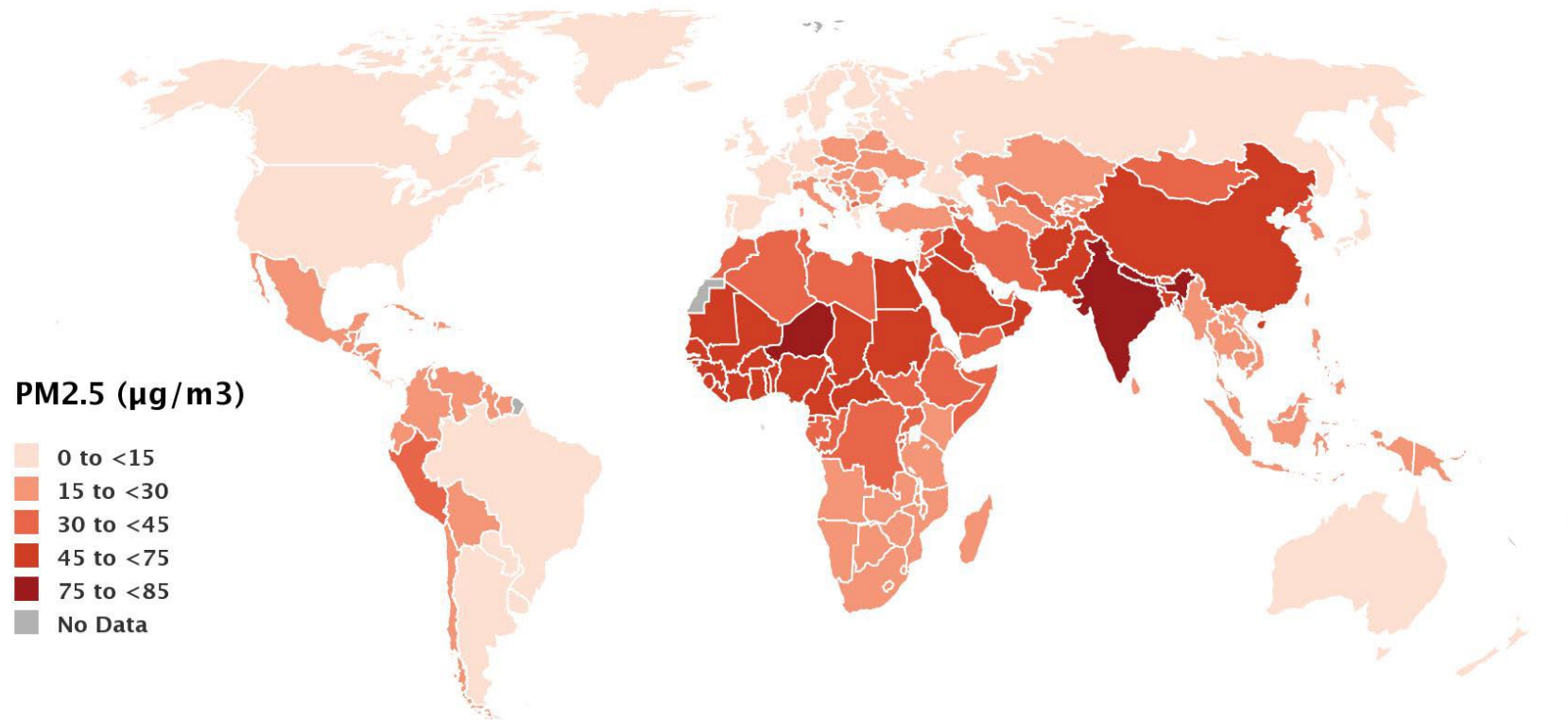
“The AR6 Synthesis Report: Climate Change 2023 finds that, despite progress in policies and legislation around climate mitigation since the previous such report in 2014, it’s *“likely that warming will exceed 1.5°C during the 21<sup>st</sup> century”*”.





# Current State of Air Quality

Average Annual Population-Weighted PM<sub>2.5</sub> Concentrations in 2019

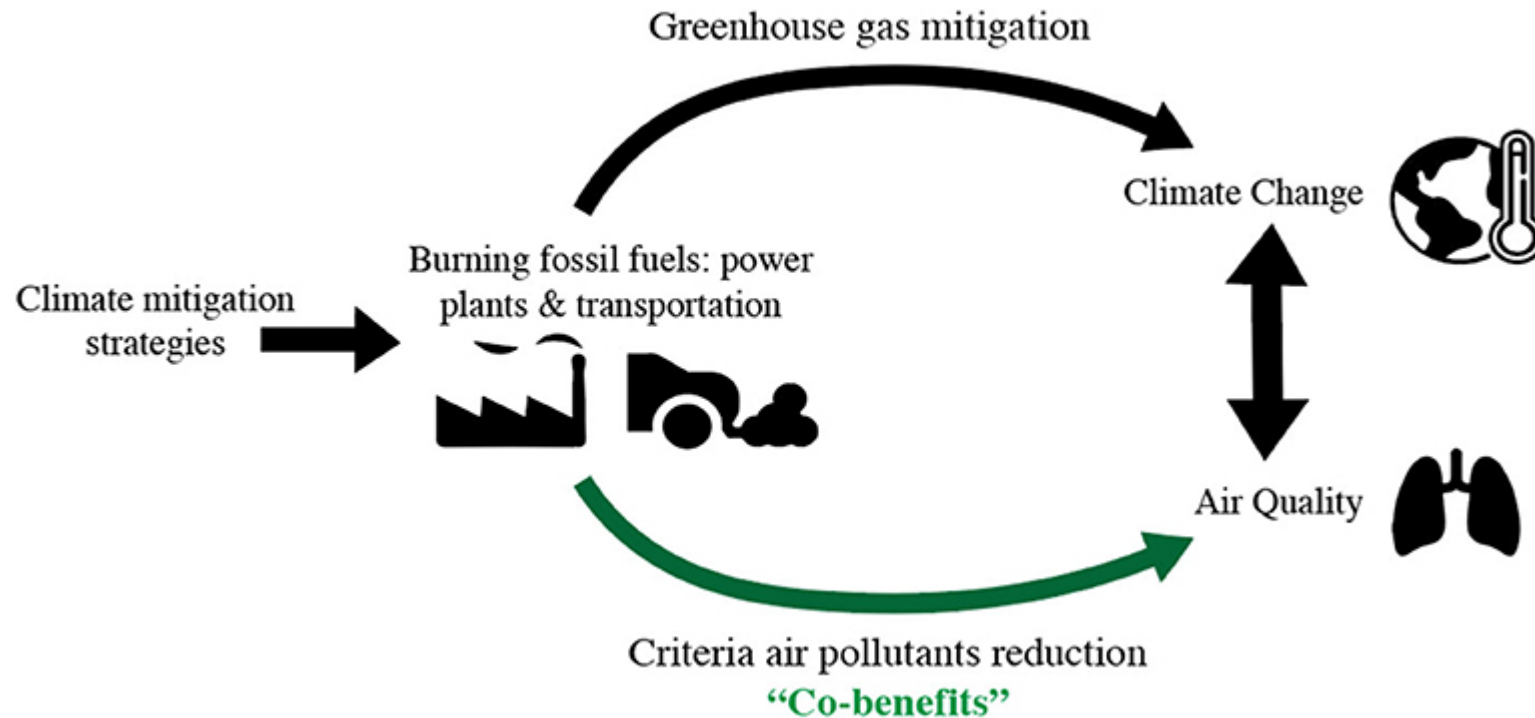


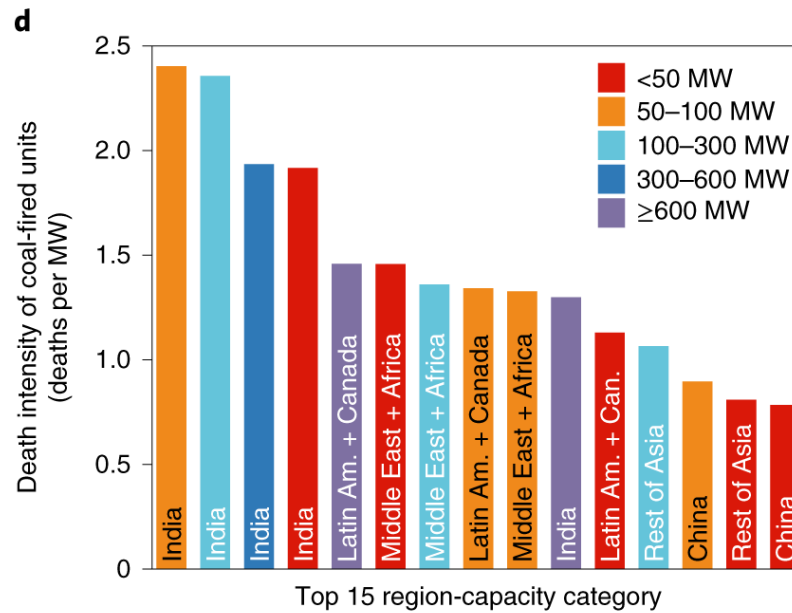
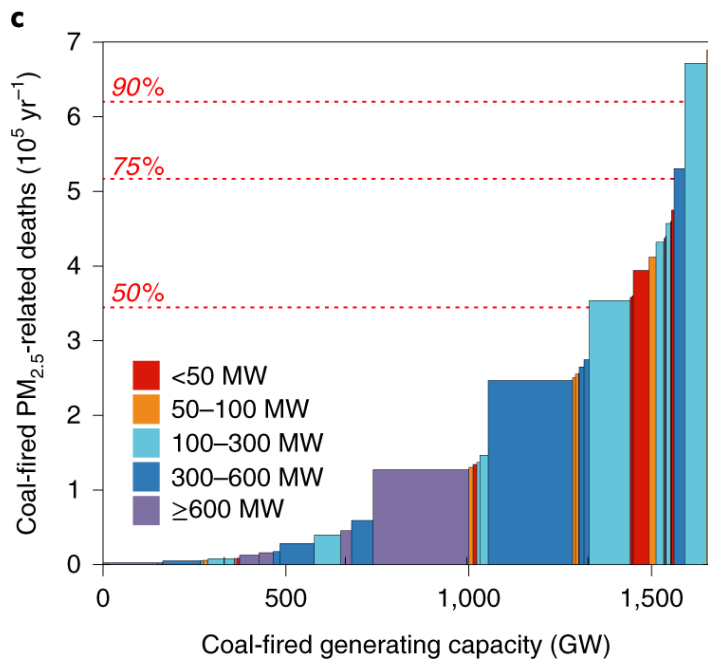
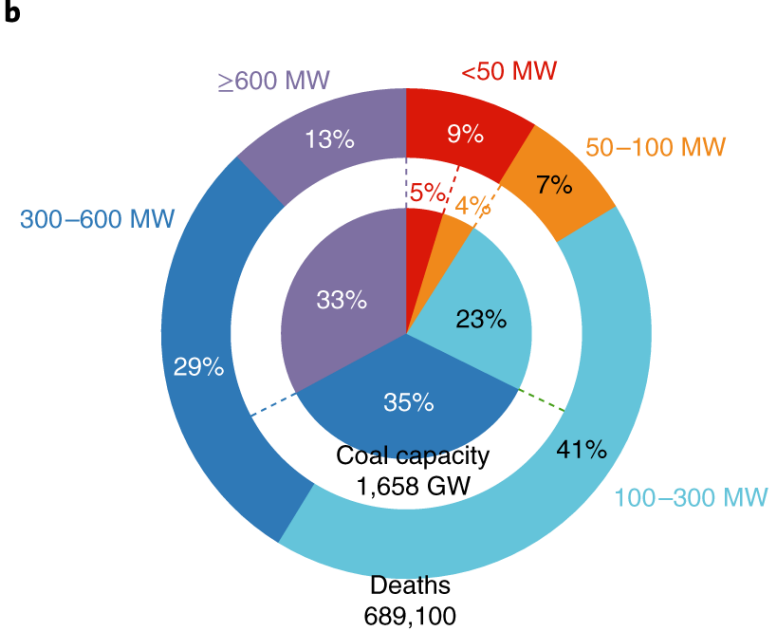
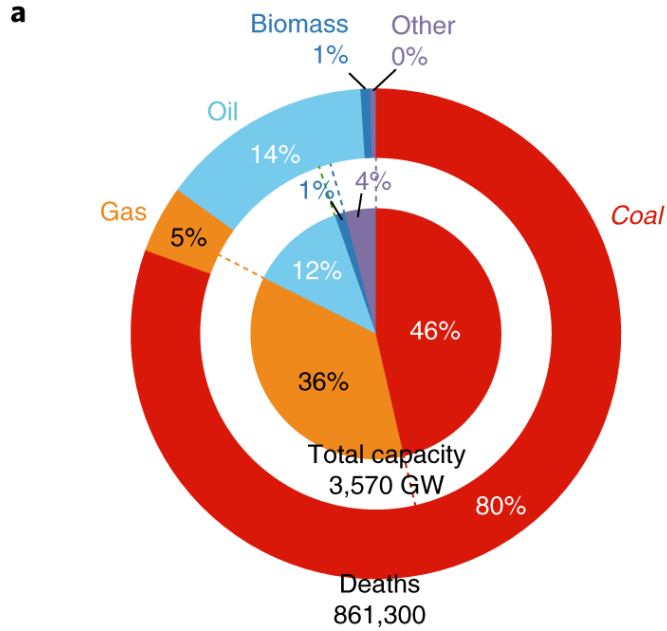
# Complexity of issues

- HICs versus LMICs
- Urbanization
- Resource constraints
- Development trajectory
- Inequality, inequity, poverty
- Human health crisis
- Environmental injustice



# How Do Co-Benefits work?





# Two Sides of the Same Coin

- Tackling climate change = tackling air pollution
- Policies and guidance: dual approach is needed
- Local climate-health actions: supporting communities on advocacy
- Just energy transition: an equitable shift away from dirty fuels
  - Unequal benefits of electrification
- Reducing disparities: socio-economic-demographic / location impacts





# Introduction of the Speakers

- Elizabeth Chan, US Environmental Protection Agency
- Roseann Bongiovanni, GreenRoots
- Vijay Limaye, Natural Resources Defense Council

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