# What does the changing climate mean for air quality and public health planning and exposure mitigation?

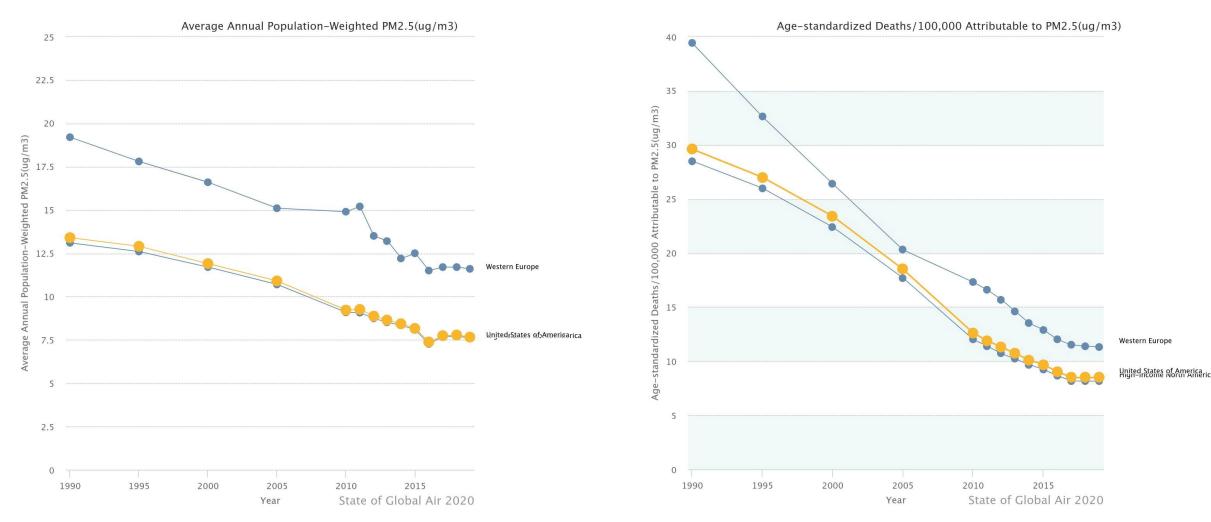
Health Effects Institute Annual Conference 2024

Chaired by Gregory Wellenius, Boston University Sara Adar, University of Michigan



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#### Gains in Air Pollution and Health in High Income Countries

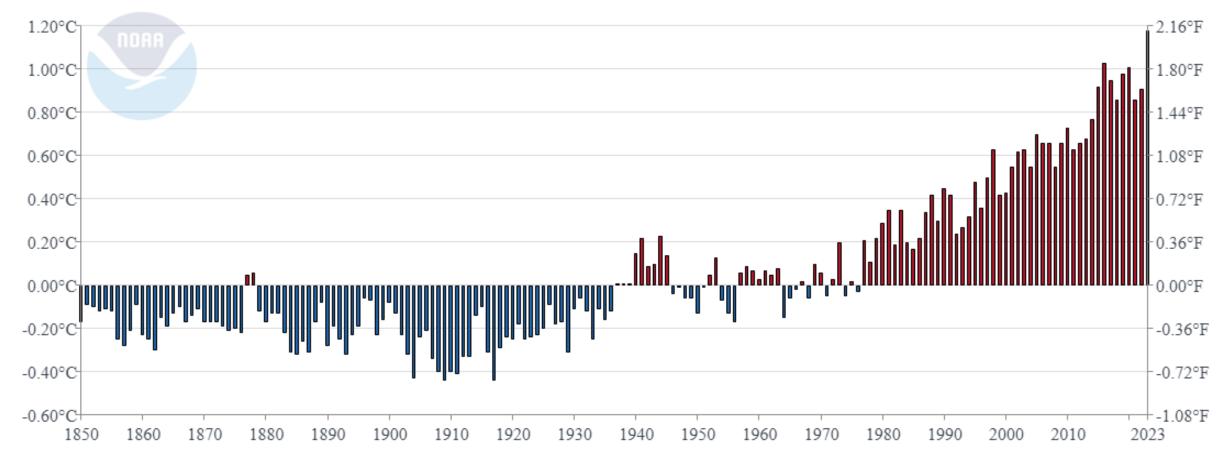


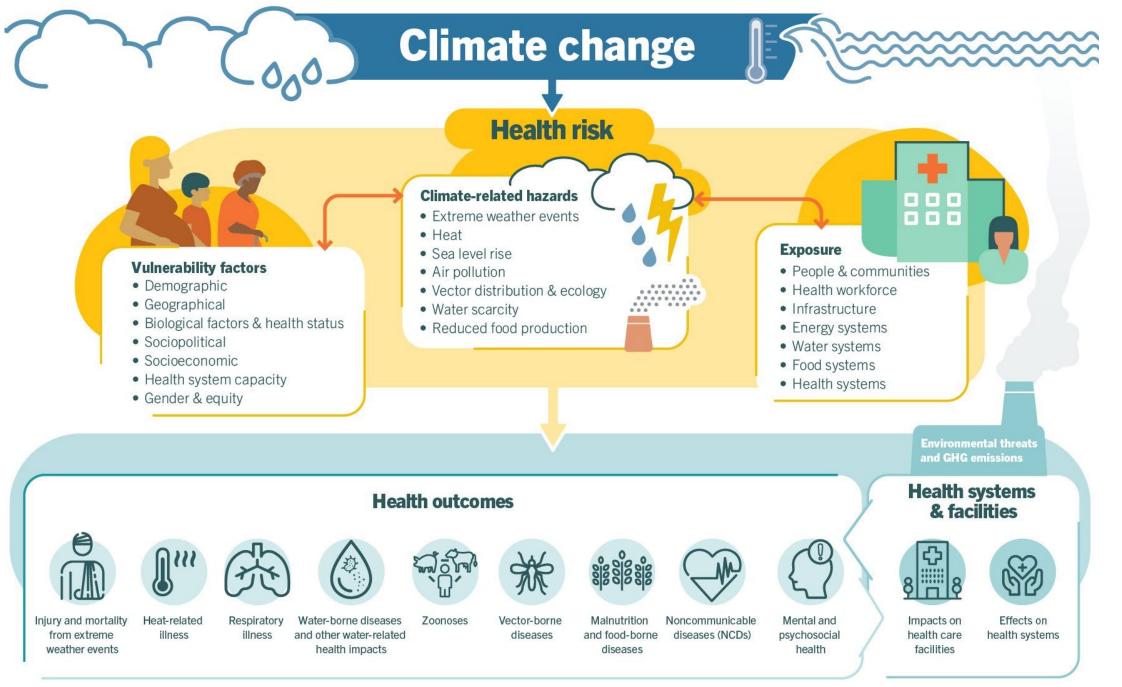
### **HEI**

### **Continued Climate Change**

#### Global Land and Ocean

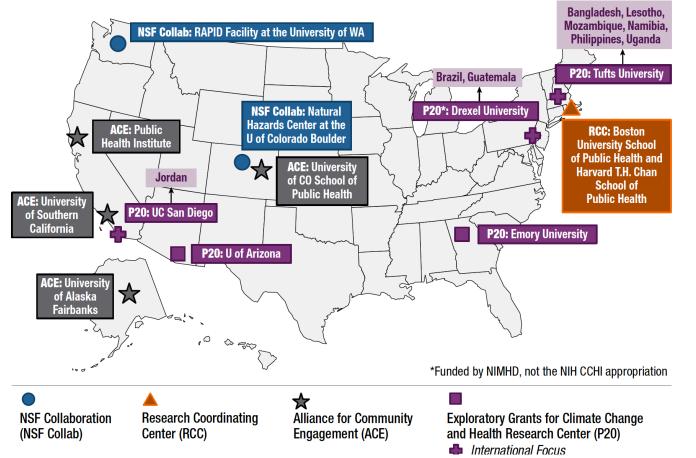
January-December Temperature Anomalies



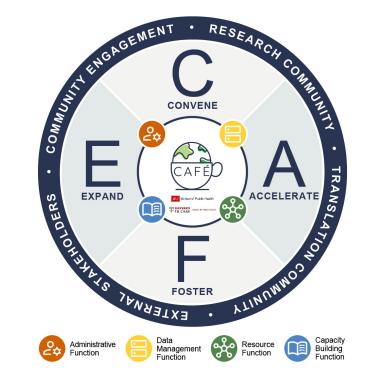


WHO.int

### **Growing Investments in Climate Change and Health**













## STRATEGIC RESEARCH PLAN 2025–2030

#### Air Quality, Climate, and Health

A changing climate substantively affects air quality, including sources and composition of air pollution, geographic distribution of air pollutants, and duration of exposure. A better understanding is needed of the health effects associated with the changes in air pollution exposures related to a changing climate. In addition to exposure questions, air pollution might serve as an effect modifier or interact with other climate-related factors, such as exposure to heat.

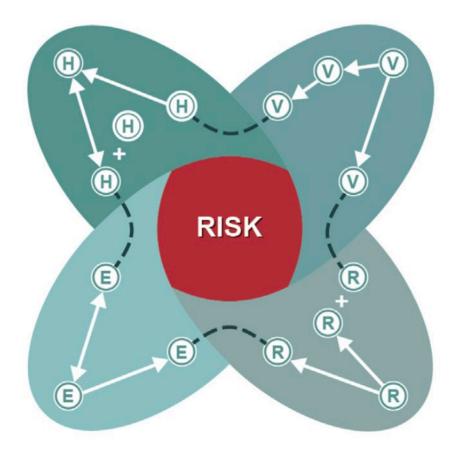
DRAFT

**APRIL 2024** 



#### Risk at the Intersection of Hazard, Exposure Vulnerability, and Response







Simpson et al. 2021

## Speakers and Panelists









Vijendra Ingole Office for National Statistics, UK

Makoto Kelp Stanford University, USA Kenza Khomsi General Directorate of Meteorology, Morocco Alex Ndyabakira Kampala Capital City Authority, Uganda