



HEI Global Health Program

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Monday May 6, 2019

Seattle, WA



Trusted Science • Cleaner Air • Better Health

Overview of ongoing work

- Understanding major sources of air pollution
- State of Global Air 2019: a global communication platform



HEI's Global Program

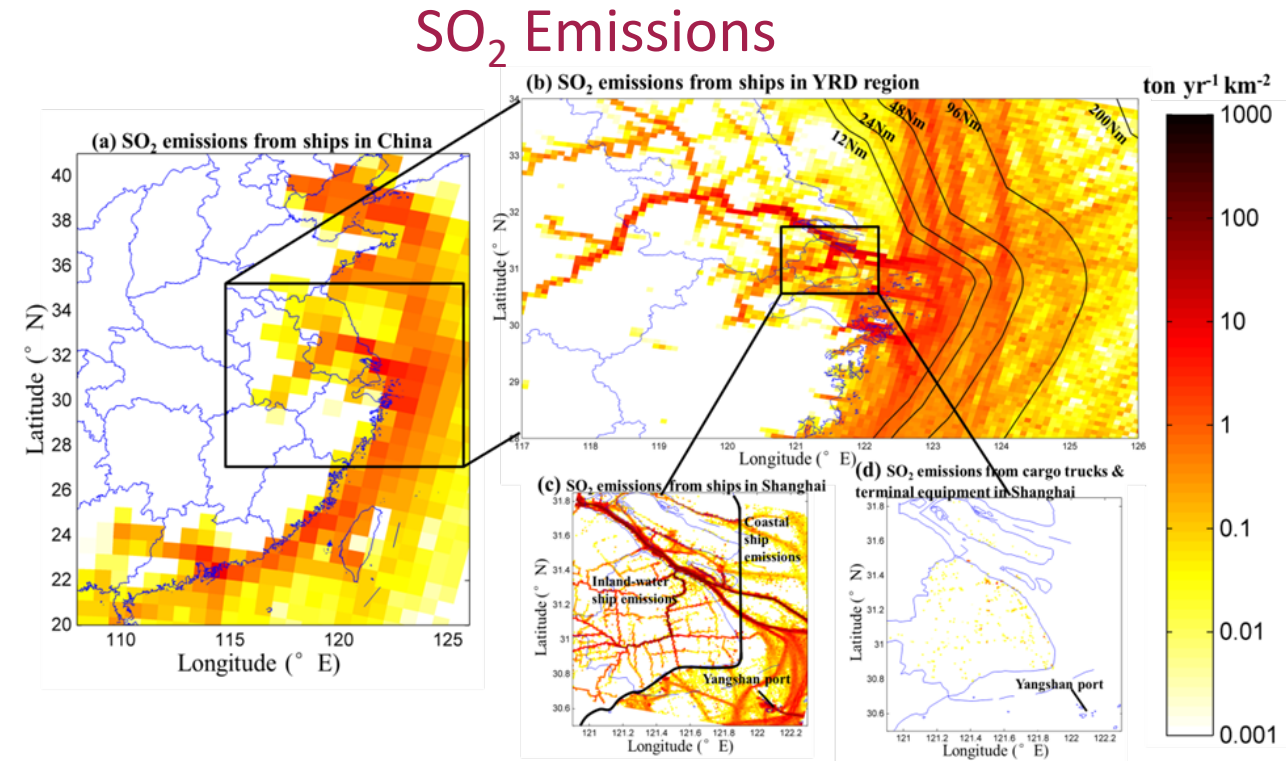
Contribution of Household Air Pollution to Ambient Air Pollution in Ghana: Using Available Evidence to Prioritize Future Action

- Goals: evaluate approaches that have been used to quantify the contribution of HAP and other sources to ambient air pollution.
- Household Air Pollution-Ghana Working Group
- HEI Staff: Pallavi Pant, Katy Walker
- Communication 19 – May 23
- Poster #21



Impacts of Shipping on Air Pollutant Emissions, Air Quality, and Health in Shanghai/Yangtze River Delta, China

- Goal – to inform decisions about China and Shanghai emissions control areas
- Collaboration with Fudan University, Tsinghua University, Shanghai Environmental Monitoring Center, NRDC, and others
- Report scheduled for Summer/Fall 2019
- HEI Staff: Allison Patton, Kethural Manokaran, Katy Walker
- Poster #14

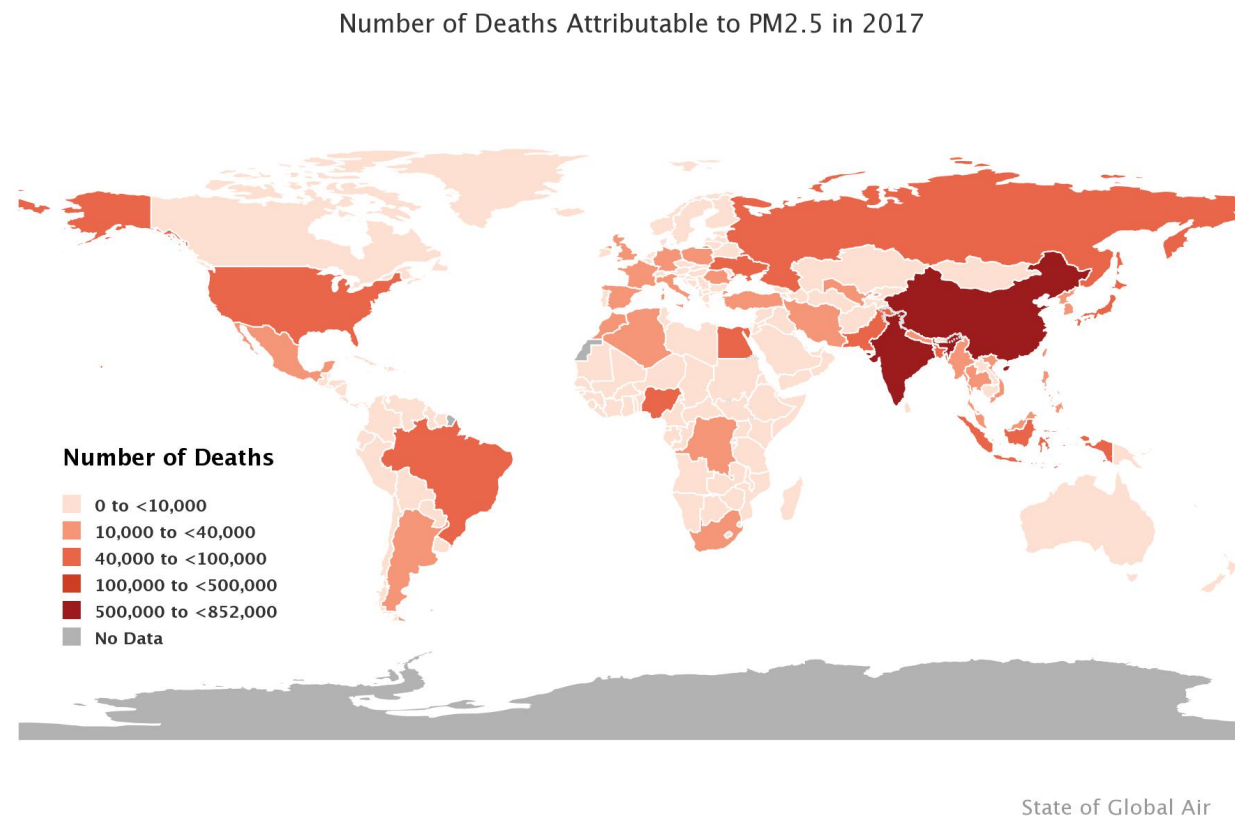


Emissions and air quality publication:

Feng et al, 2019, *Atmos Chem Phys*, 10.5194/acp-2018-1163.

Global Burden of Disease - Major Air Pollution Sources – a GLOBAL Approach

- Goals: to quantify source sector contributions to PM_{2.5} disease burden for 195 Global Burden of Disease (GBD) countries
- Emissions: heating, cooking, biomass, coal (from residential, industry, and energy production) and on-road and non-road transportation
- Michael Brauer, Erin E. McDuffie, Randall Martin, Joseph Spadaro, Richard T. Burnett
- Builds on GBD MAPS China (2016) and India (2018)
- In year 1. Completion expected in 2020
- Poster # 12



STATE OF GLOBAL AIR /2019

A SPECIAL REPORT ON GLOBAL EXPOSURE TO AIR POLLUTION
AND ITS DISEASE BURDEN



IHME
Measuring what matters




@HEISoGA

www.stateofglobalair.org

Your source for the latest global, regional, and country-specific data on air quality and health.



How clean is the air you breathe »



What is the impact on your health »



Explore the interactive data »



Read the report »

What is the State of Global Air?

A site that offers the most recent information from the Global Burden of Disease project and analysis on levels and trends in air quality and health for countries around the globe.

Who is it for?

Citizens, journalists, policy makers, and scientists will find information on human exposure to outdoor and household air pollution and their impacts on health.

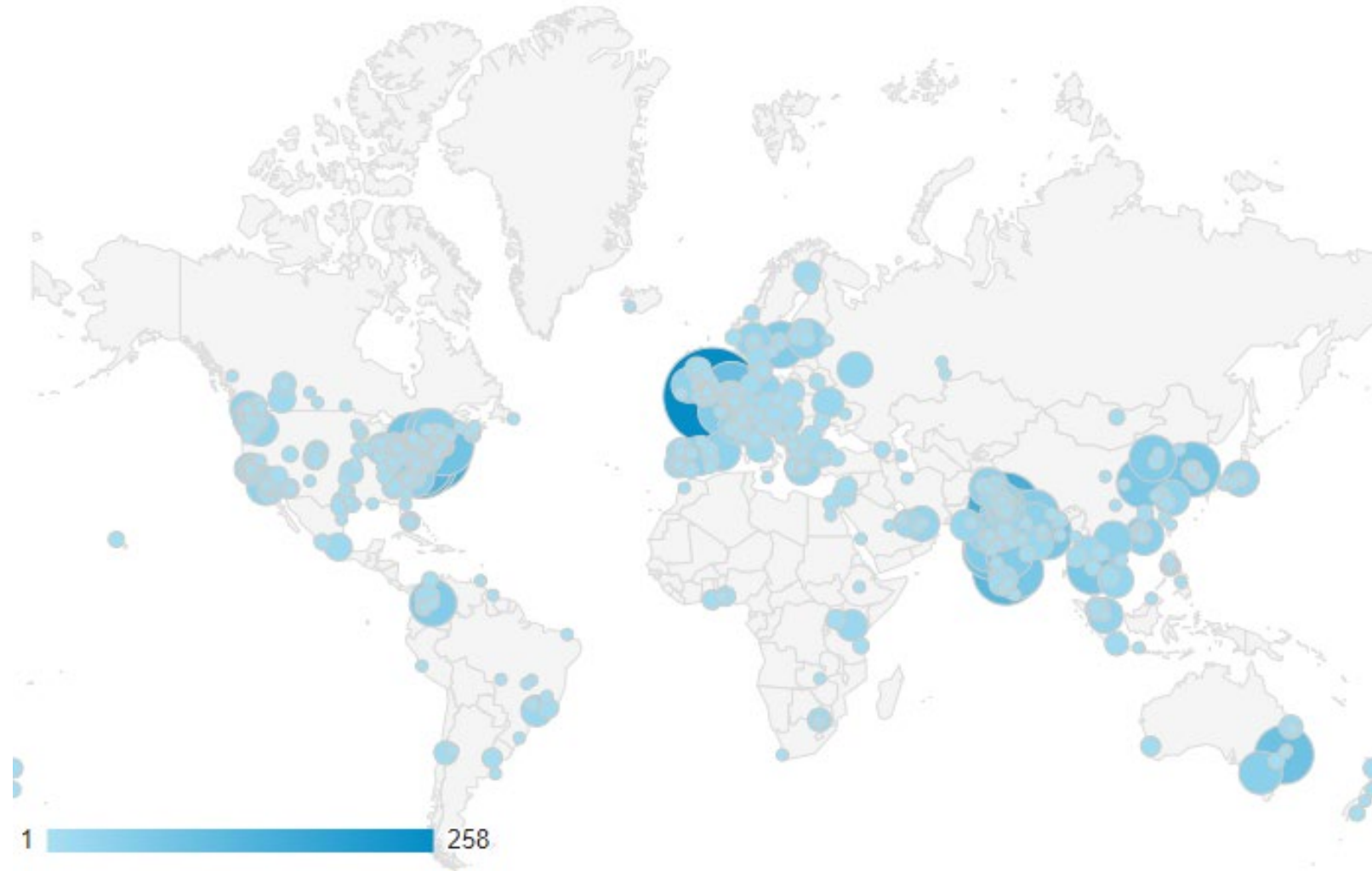
What's new in 2019?

This year's analysis includes air pollution's impact on life expectancy.

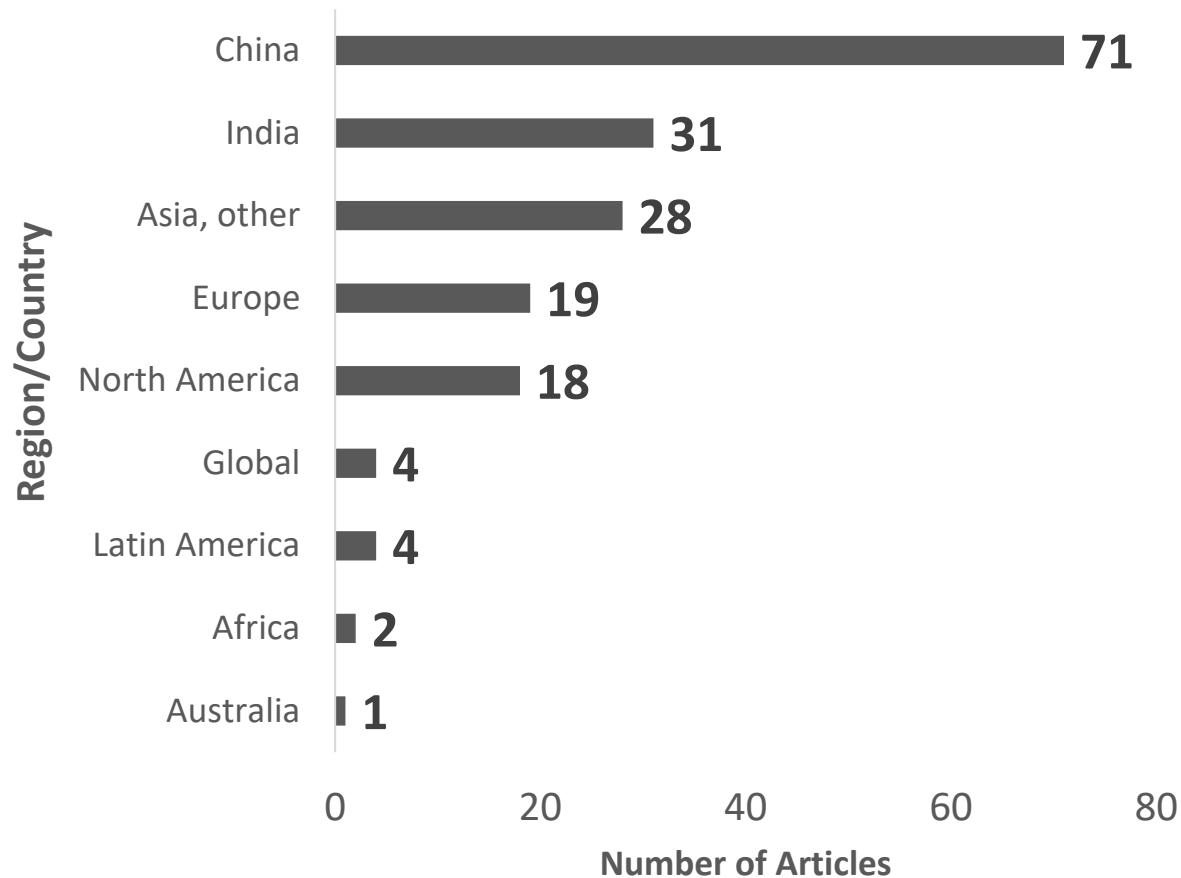
A growing global communication platform

In the first 3 weeks...

- 24,280 page views
- 3400 downloads of report
- 950 downloads of data, figures etc.



Extensive media coverage



Toxic air will shorten children's lives by 20 months, study reveals

Global air pollution crisis is taking its greatest toll on children in south Asia



▲ Toxic air can cause stunted lung development in children. Photograph: VCG via Getty Images

The life expectancy of children born today will be shortened by 20 months on average by breathing the toxic air that is widespread across the globe, with the greatest toll in south Asia, according to a major study.

Air pollution contributed to nearly one in every 10 deaths in 2017, making it a bigger killer than malaria and road accidents and comparable to smoking, according to the State of Global Air (SOGA) 2019 study published on Wednesday.

Acknowledgements: State of Global Air Contributors

Health Effects Institute: HEI contributors include Katy Walker, principal scientist; Hilary Selby Polk, managing editor; Annemoon van Erp, managing scientist; Pallavi Pant, staff scientist; Kethural Manokaran and Kathryn Liziewski, research assistants; Aaron Cohen, consulting scientist at HEI and affiliate professor of global health at IHME; Bob O’Keefe, vice president; and Dan Greenbaum, president.

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