GLOBAL HEALTH PROGRAM

Katy Walker

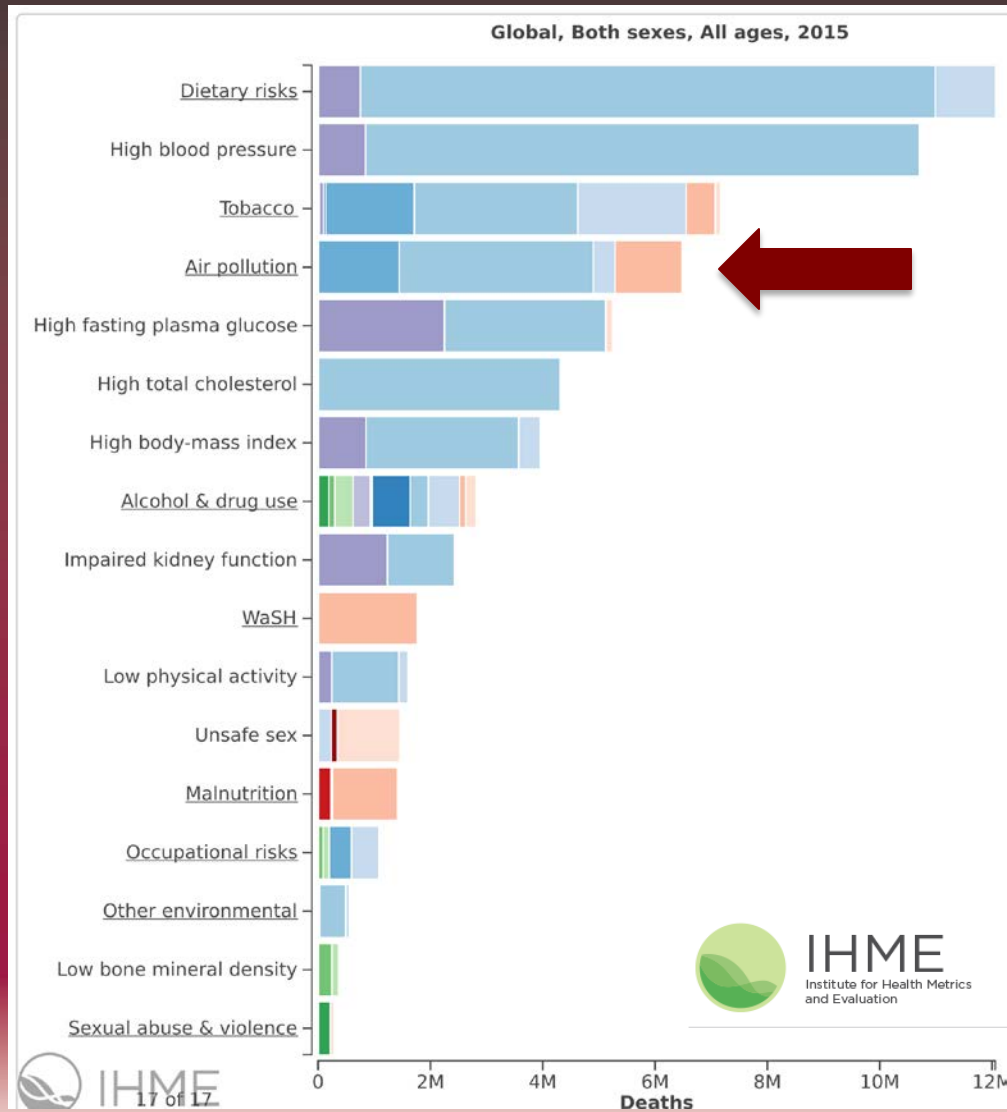
Transitions: Aaron Cohen

1990

2016

Global Burden of Disease (GBD) Project

- Provide ongoing support for leadership of GBD outdoor air pollution workgroup
  - Refining and updating integrated exposure response functions
  - Updating global satellite measurements and estimates of $PM_{2.5}$



GBD MAPS:
Global **B**urden of **D**isease from **M**ajor **A**ir **P**ollution **S**ources

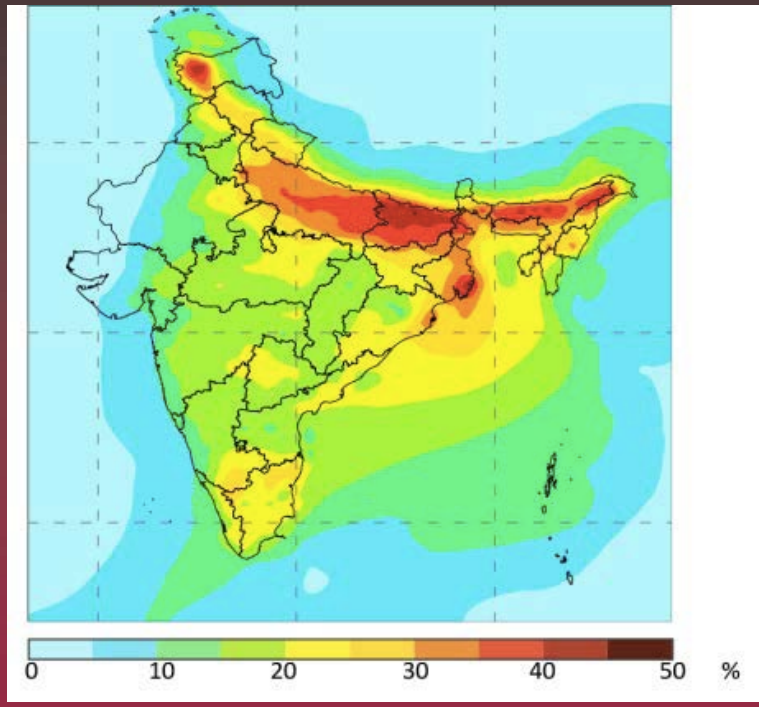
- Initiative to understand source-specific contributions to air pollution and burden
  - Current and future control scenarios

- Conducted in China and India
  - In partnership with leading Chinese, Indian investigators (Tsinghua, IIT-B, Others)

  - ***China results were published August 2016***

  - ***India to be published in Summer 2017***

Domestic Biomass Burning



The State of Global Air:

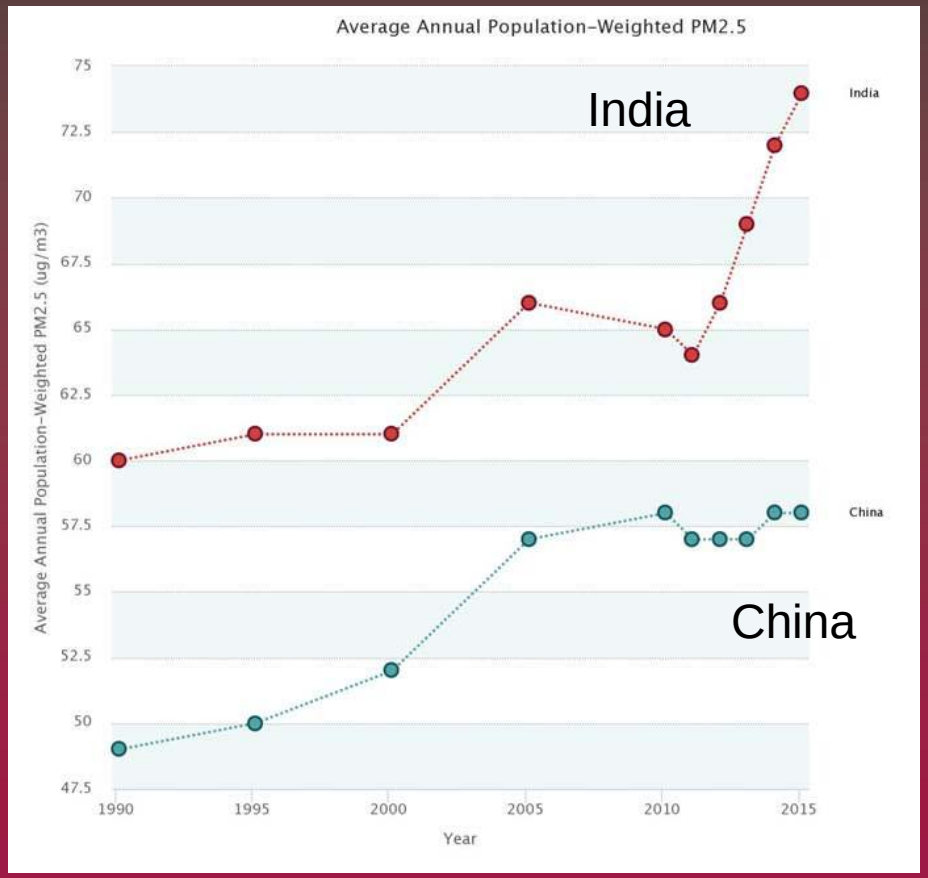
How Clean is the Air You Breathe?

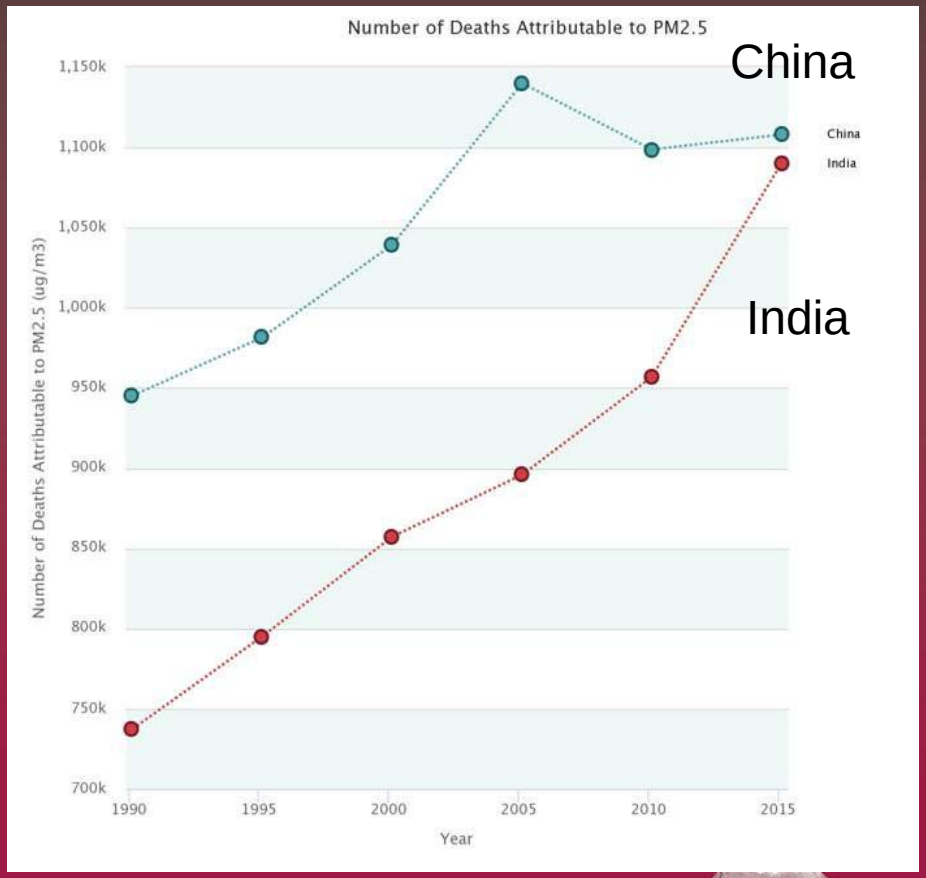
- A *new Annual* Report and interactive Web Site
- Levels and trends in ambient air pollution and disease burden
- Assist government officials, NGOs, scientists, students and the public in understanding/using latest GBD results

Launched February 2017

Stateofglobalair.org

State of Global Air: Display, download the data





Exposure

Mortality

State of Global Air

Extensive Global, Indian and Chinese Coverage

The Telegraph
calcutta, india
Today's Edition
| Wednesday , February 15 , 2017 |
Front Page > Story
India's dirty air deadliest
- Country tops pollution
Our Special Correspondent
New Delhi, Feb. 14: India tops the world in

EDITORIAL
The foul air we breathe
FEBRUARY 16, 2017 00:02 IST
UPDATED: FEBRUARY 16, 2017 00:08 IST
A new international report has drawn att
causing terrible illness and prem
Effects Institute and the Institute
now: that the concentration
micrometres or less (P
indicates that th
Pradesh, P
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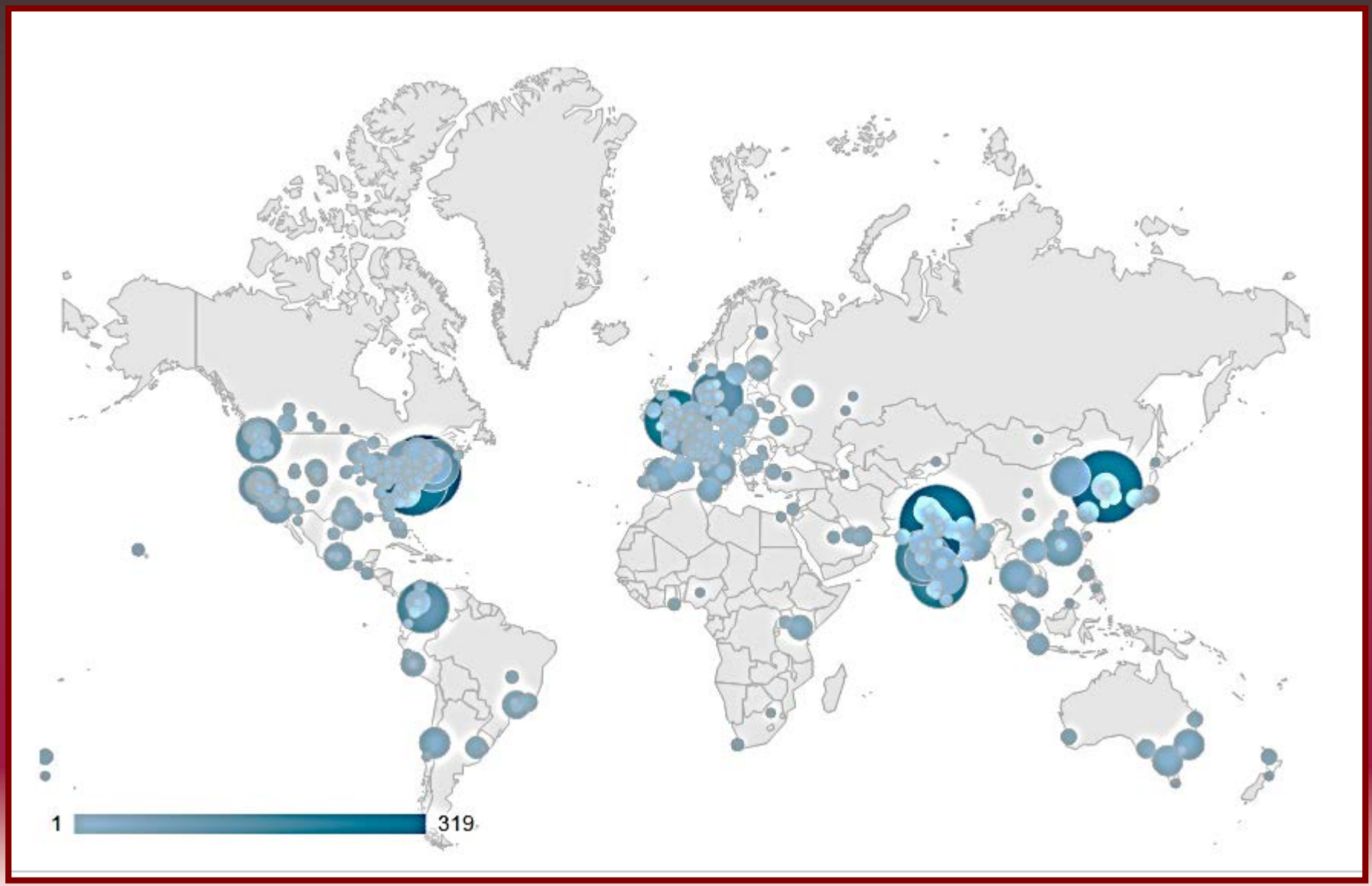
THE HINDU
ution to the deadly pollutants that pervade the air that people breathe in India.
th. The State of Global Air 2017 study, conducted jointly by the Health
and Evaluation, quantifies further what has been reported for some time
lable pollutant. fine particulate matter with a diameter of 2.5
and PM2.5 levels

FINANCIAL TIMES
https://www.ft.com/content/dbcb8502-f1d8-11e6-8758-687615182
India air pollution deaths poised to exceed China'
Blamed for 1.1m premature deaths a year in eac
14 February 2017 by: Kiran Stacey in New Delhi
India is on the verge of overtaking China as the country with th
pollution, the world's biggest environmental killer, accordin
In 2015 both countries suffered about 1.1m premature
just 18,000 behind China, the US-based research
air pollution the fifth-highest cause o
olds burning solid fuels for
vehicle fumes

The New York Times
India's Air Pollution Rivals China's as World's Deadliest
By GEETA ANAND FEB. 14, 2017
NEW DELHI — India's rapidly worsening air pollution is causing about 1.1 million people to die prematurely each year and is now surpassing China's as the deadliest in the world, a new study of global air pollution shows.
The number of premature deaths in China caused by dangerous air particles, kn
has stabilized globally in recent years but has risen sharply in India,
issued jointly on Tuesday by the Health Effects Institute, a
the health impacts of air pollution, and the Institute
population health research center in Seattl
India has registered an alar
particulate matter

HEI State of Global Air

-- Active Online Engagement on Six Continents--



China Ports Initiative

- Health impact assessment
  - Yangtze River Delta
  - Ocean going vessels, river ships, land transport
  - Current/Future policies for emissions controls
- Collaborators:
  - Fudan University, Shanghai Environmental Monitoring Center (SEMC), Shanghai Academy of Environmental Sciences (SAES)
  - Other NGOs

ECA = emissions control area

Non-communicable disease (NCD) burden from household air pollution

- Develop a communication on heath burden and costs of NCD
- Convene an expert panel to explore opportunities for reducing exposure

Thanks to many!

- GBD Air Pollution Working Group
- Collaborators in China and India
- HEI State of Global Air Project Team
- Sponsors
  - Hewlett Foundation
  - Oak Foundation
  - Bloomberg Philanthropies