Climate Change and Human Health: From Threat to Opportunity

"Ensuring that the health of a child born today is not defined by a changing climate"

Dr Nick Watts | Executive Director @Watts_Nick



Climate Change and Human Health: From Threat to Opportunity

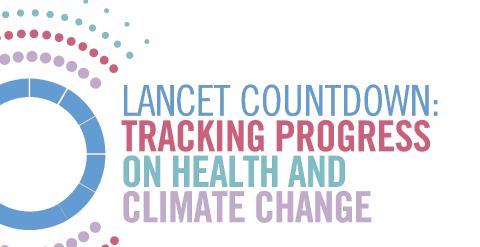
"Ensuring that the health of a child born today is not defined by a changing climate"

Dr Nick Watts | Executive Director @Watts_Nick



Health, Climate Change, and The Lancet







Lancet Countdown Partners

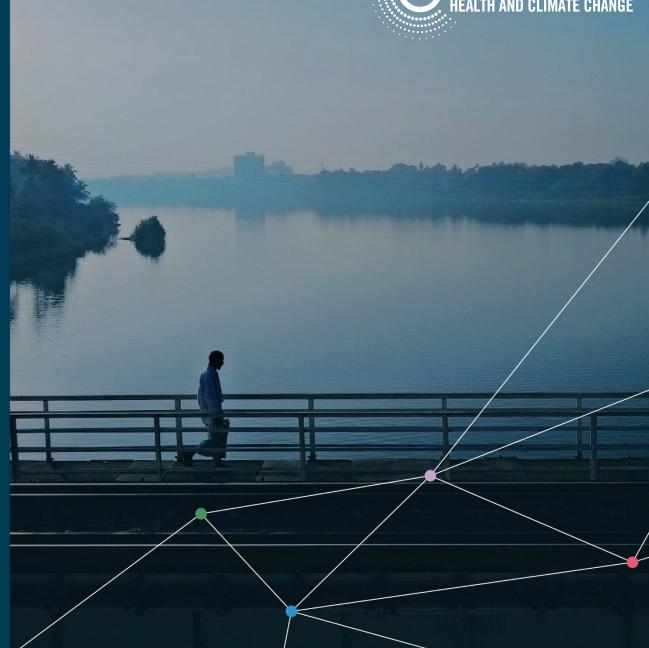






"The life of every child born today will be profoundly affected by climate change...

Without accelerated intervention, this new era will come to define the health of people at every stage of their lives."



1.1.3 & 4: Exposure of Vulnerable Populations to Heatwaves

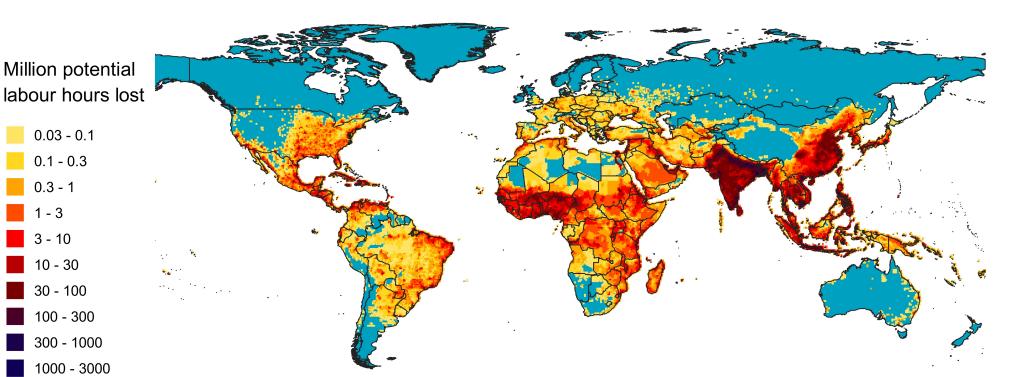


Headline Finding:

2018 saw 220 million additional vulnerable people exposed to extremes of heat

Headline Finding:

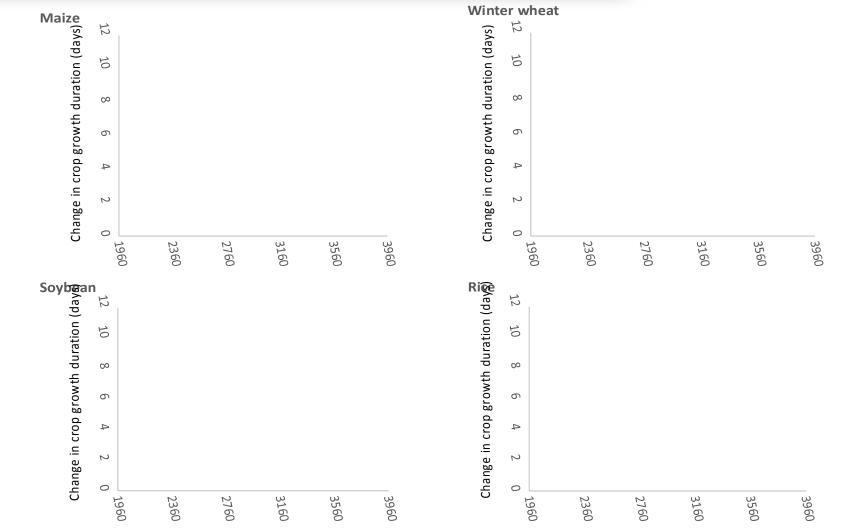
In 2018, 133 billion of potential work hours were lost due to rising temperatures – 45 billion hours more than in 2000.



Undernutrition

Headline Finding:

A changing climate has seen global yield potential reduce by 2.9% for maize, 3.8% for winter wheat and 3.1% for soybean crops from 1988 to present day, with concerning implications for global undernutrition.



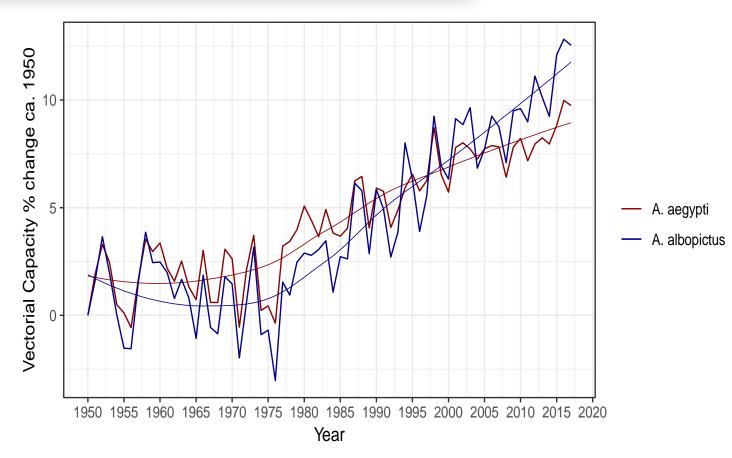




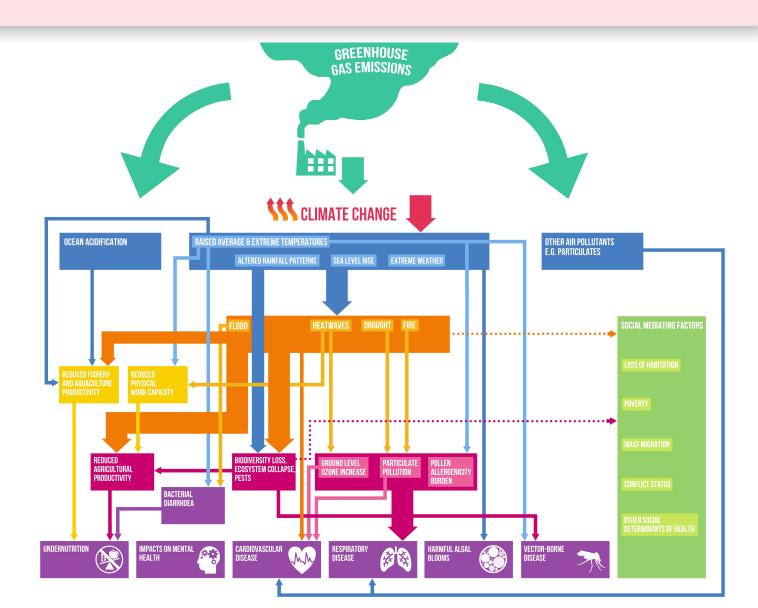
Headline Finding:

Vectorial capacity for the transmission of dengue was the 2nd highest on record in 2017, with 9 of the 10 most suitable years occurring since 2000.

The global average increase above the 1950s baseline was 7.2% for Aedes aegypti and 9.8% for A. albopictus.









 "The delayed response to climate change over the past two decades has jeopardised human life and livelihoods."

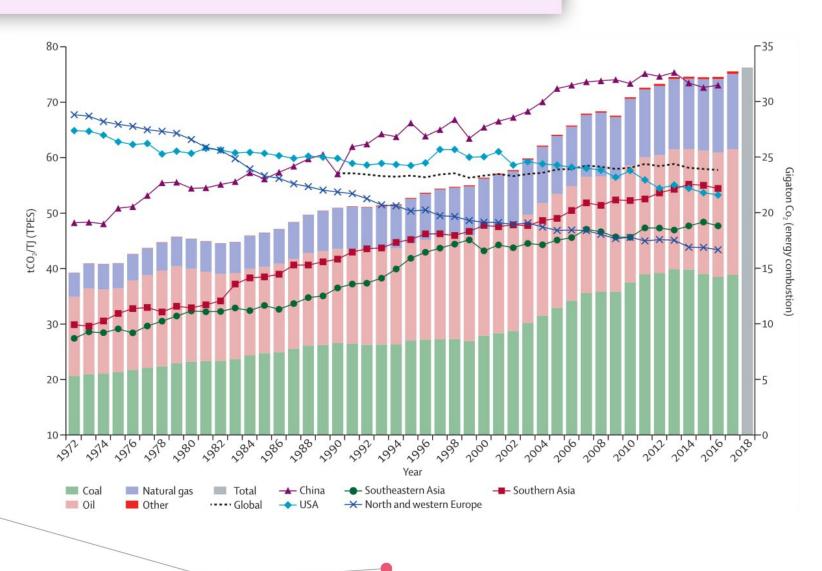


3.1.1: Carbon Intensity of the Energy System



Headline Finding:

The carbon intensity of the global energy system has remained flat since 1990.





"A second path—which limits the global average temperature rise to "well below 2°C"—is possible, and would transform the health of a child born today for the better, right the way through their life."



Health Benefits of Climate Action





FOUNDATIONS OF GOOD HEALTH



1.2: Economic Costs of Air Pollution



Headline Finding:

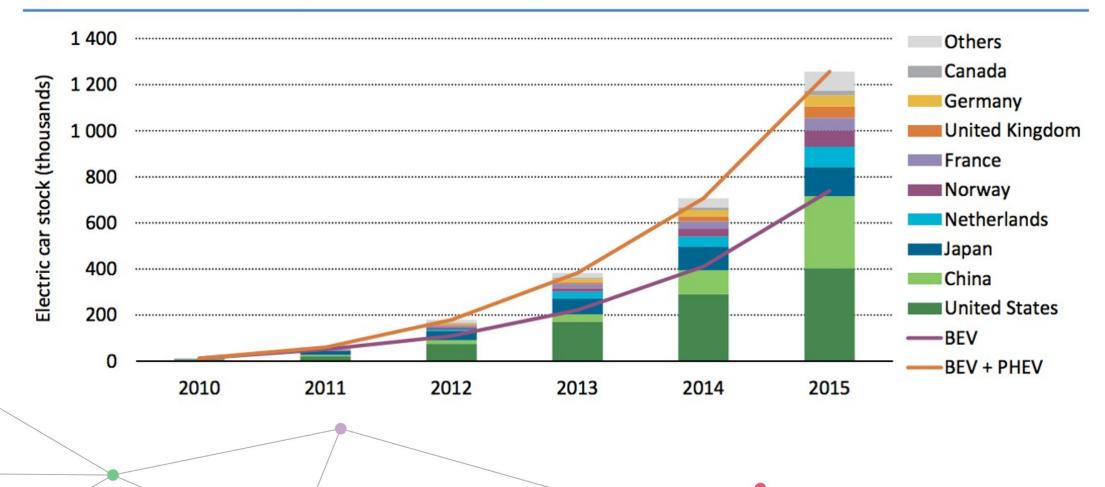
In Europe improvements in particulate air pollution from human activity were seen from 2015 to 2016.

Sustaining this progress into the future would lead to an annual saving of €5.2 billion from reductions in Years of Life Lost.

3.4: Sustainable and Healthy Transport



Figure 1 • Evolution of the global electric car stock, 2010-15





Healthcare and Climate Change



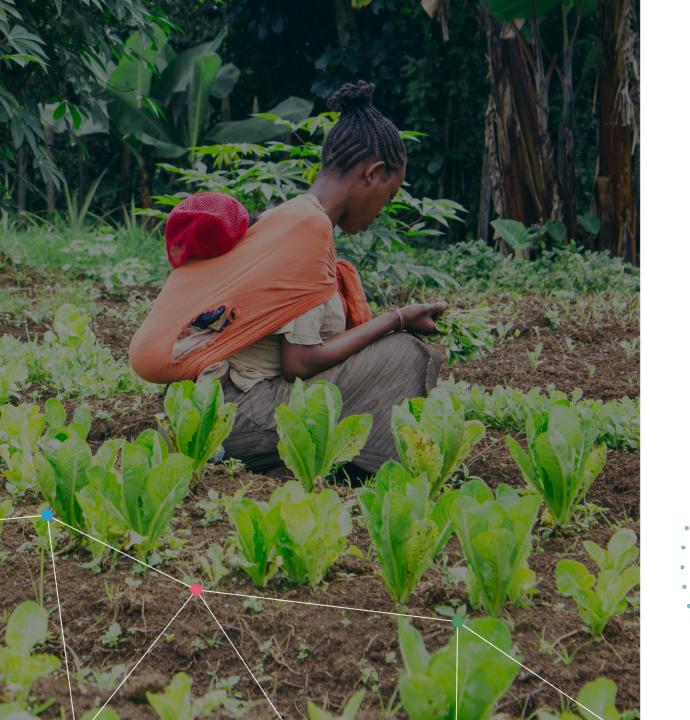
NHS England and NHS Improvement ⊘ @NHSEngland · Jan 25 With almost 700 people dying avoidably due to air pollution every week, we're facing a health emergency as well as an environmental crisis. Find out how we're working with NHS staff and climate experts to take immediate action for a #GreenerNHS. ● england.nhs.uk/greenernhs/202...

'Patients and the public rightly want the NHS to deliver for them today, and to help safeguard the future health of our children and grandchildren.'

> Sir Simon Stevens Chief Executive Officer, NHS England and NHS Improvement







Dr Nick Watts Executive Director Nicholas.Watts@ucl.ac.uk

@Watts_Nick

THE LANCET



ANCET COUNTDOWN: RACKING PROGRESS

ATE CHANGE

HEALTH AND