

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



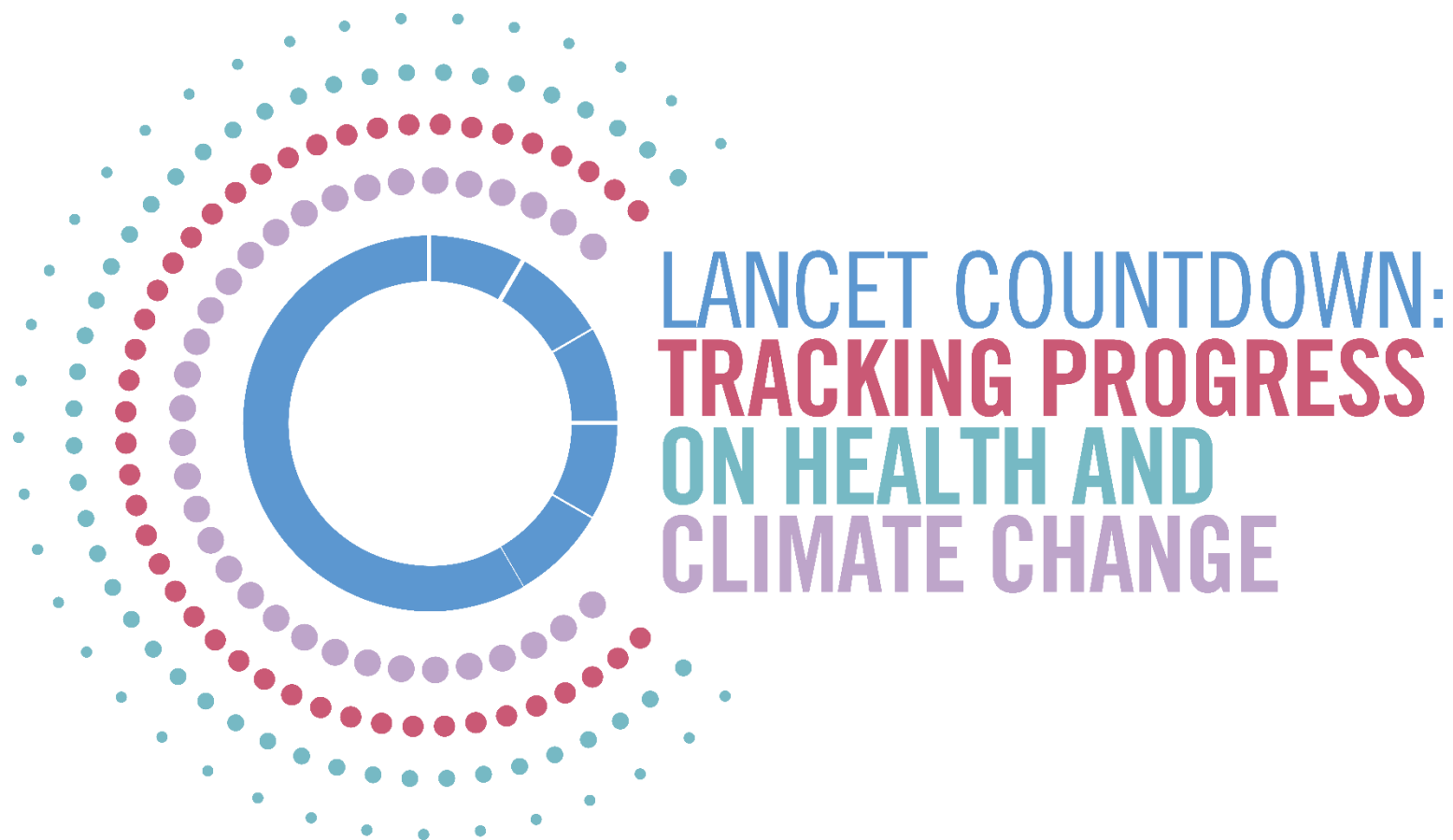
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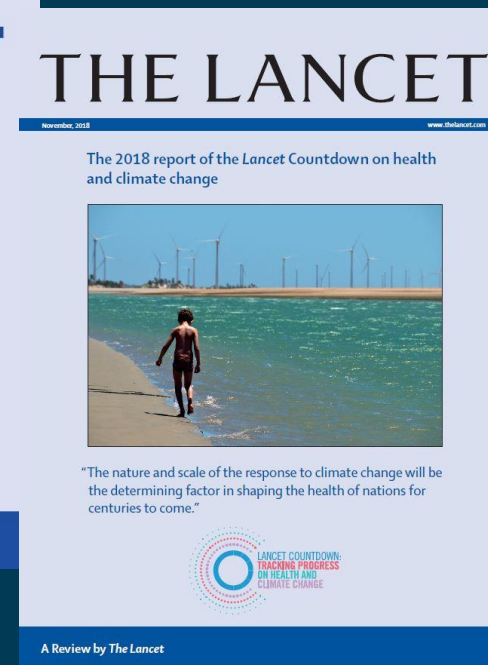
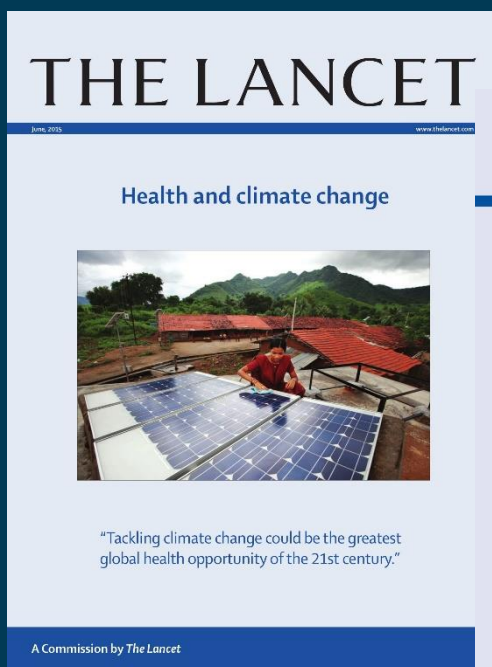
Health, Climate Change, and The Lancet



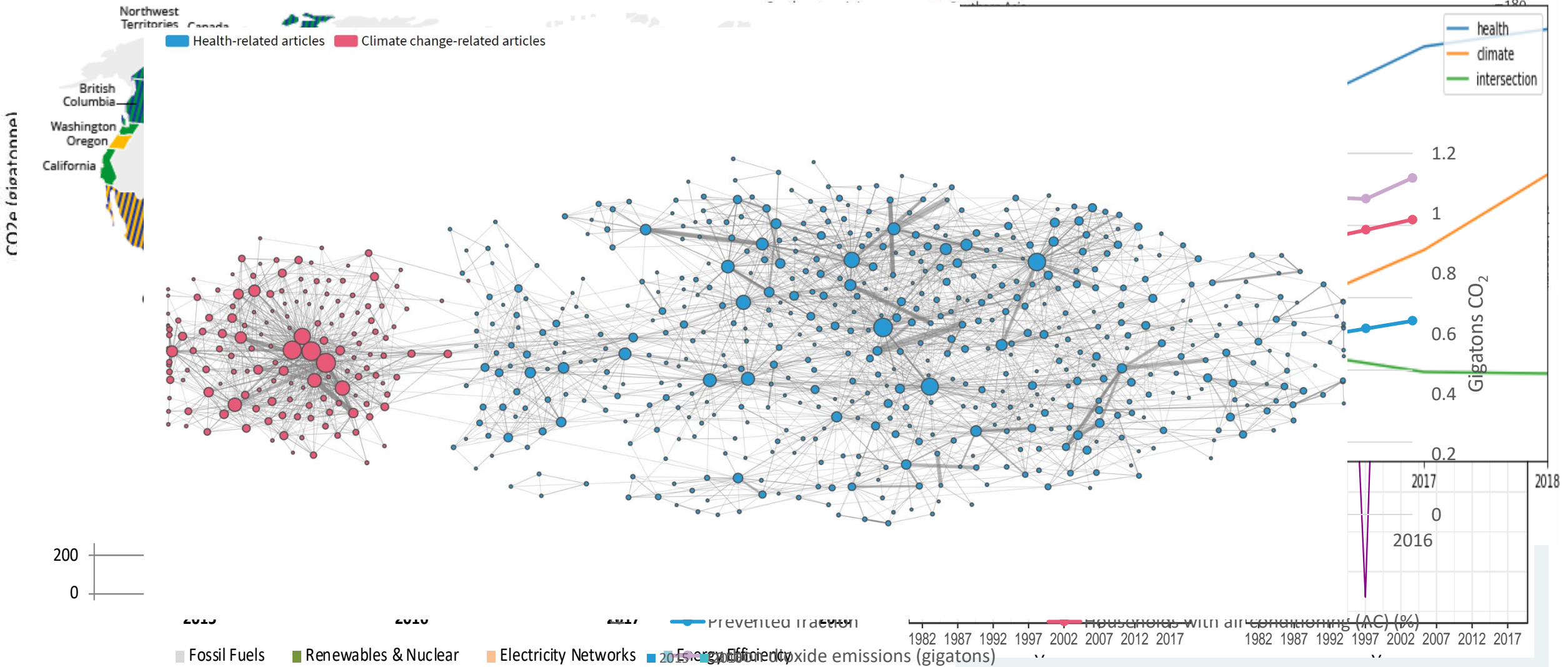
Lancet Countdown Partners



Health, Climate Change & The Lancet



3.5



"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."



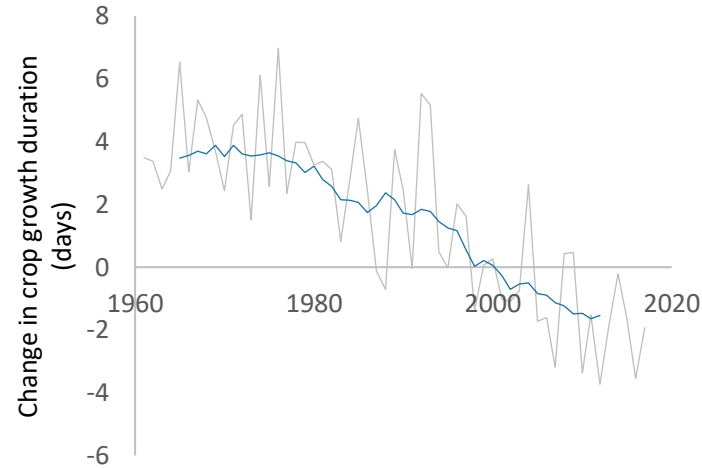


1.5.1: Terrestrial Food Security and Undernutrition

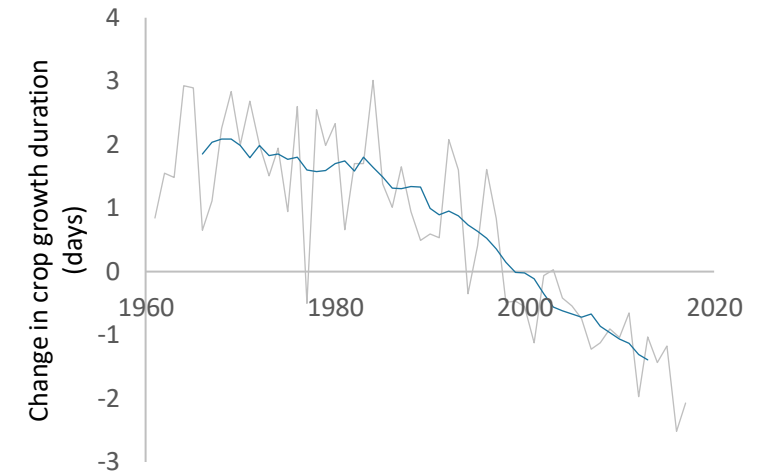
Headline Finding:

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.

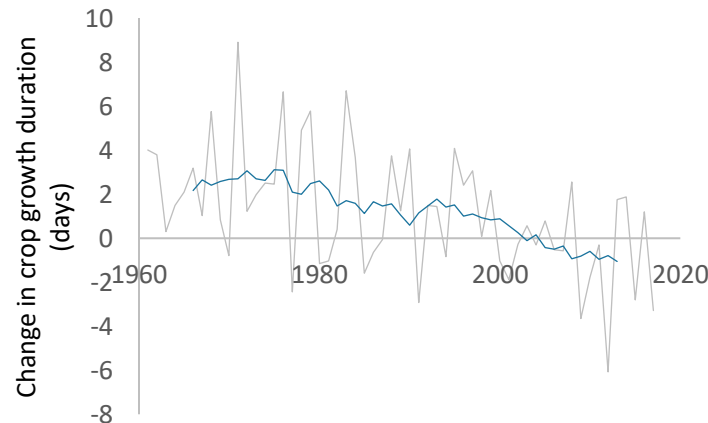
Maize



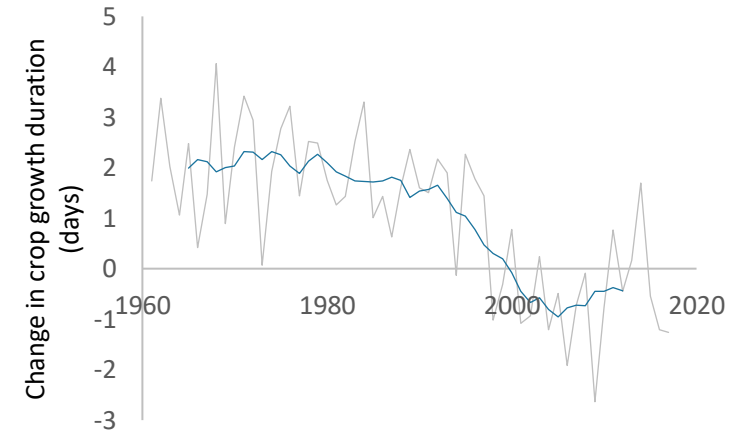
Winter wheat



Soybean



Rice



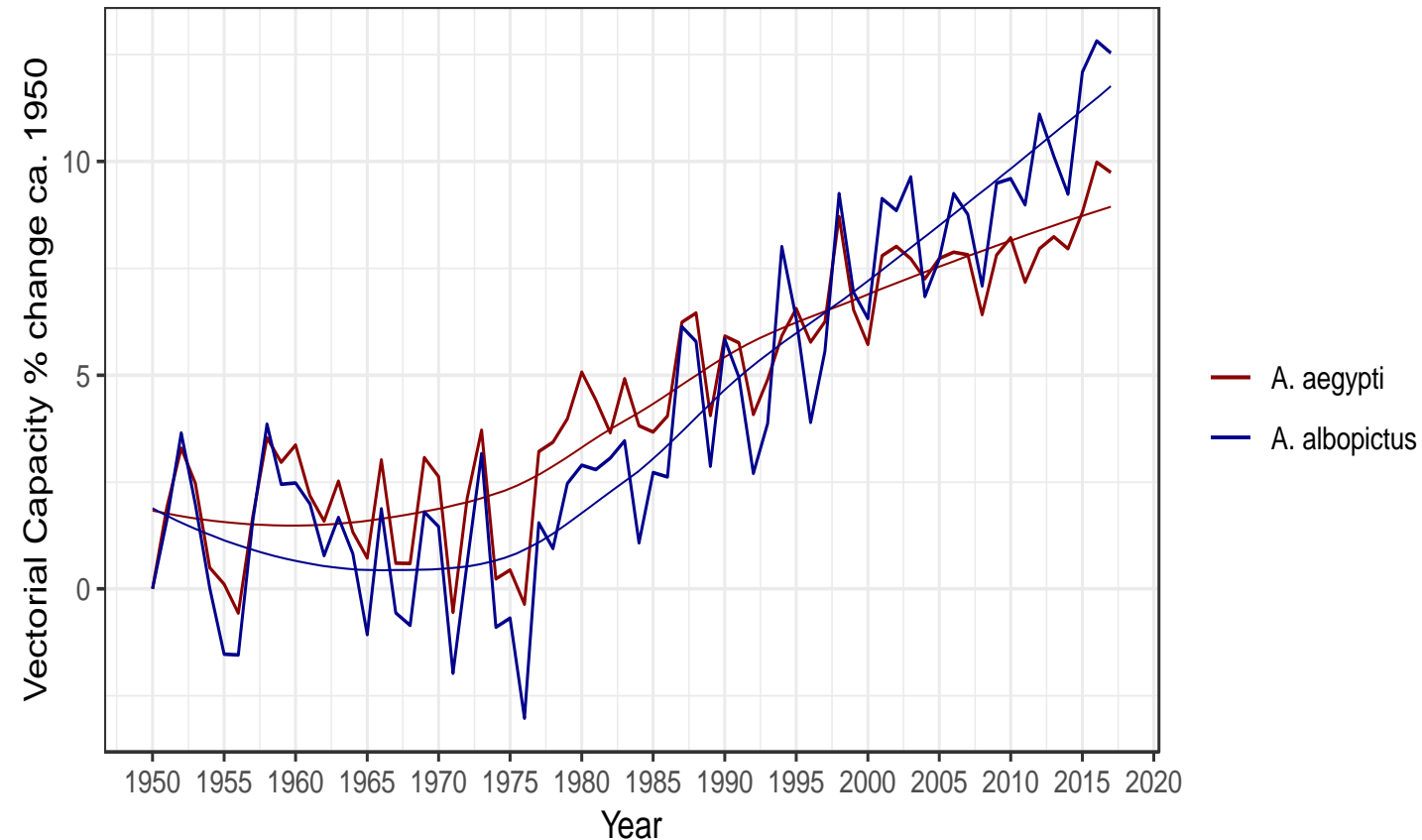


1.4.1: Climate Suitability for Infectious Disease Transmission

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*.

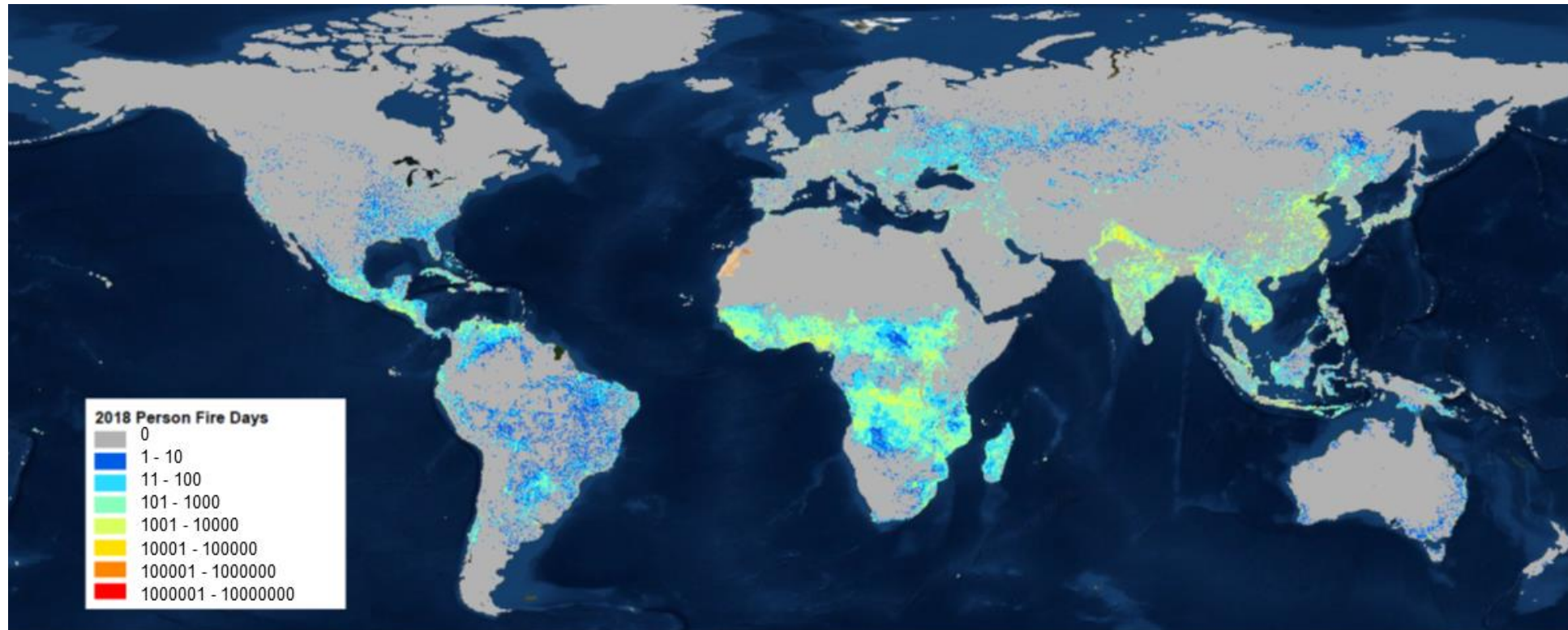




1.2.1: Wildfires

Headline Finding:

152 out of 196 countries saw increases in populations exposed to wildfires from the early 2000s to present day. India alone experienced an annual daily population fire exposure increase of 21 million.





1.1.3 & 4: Exposure of Vulnerable Populations to Heatwaves

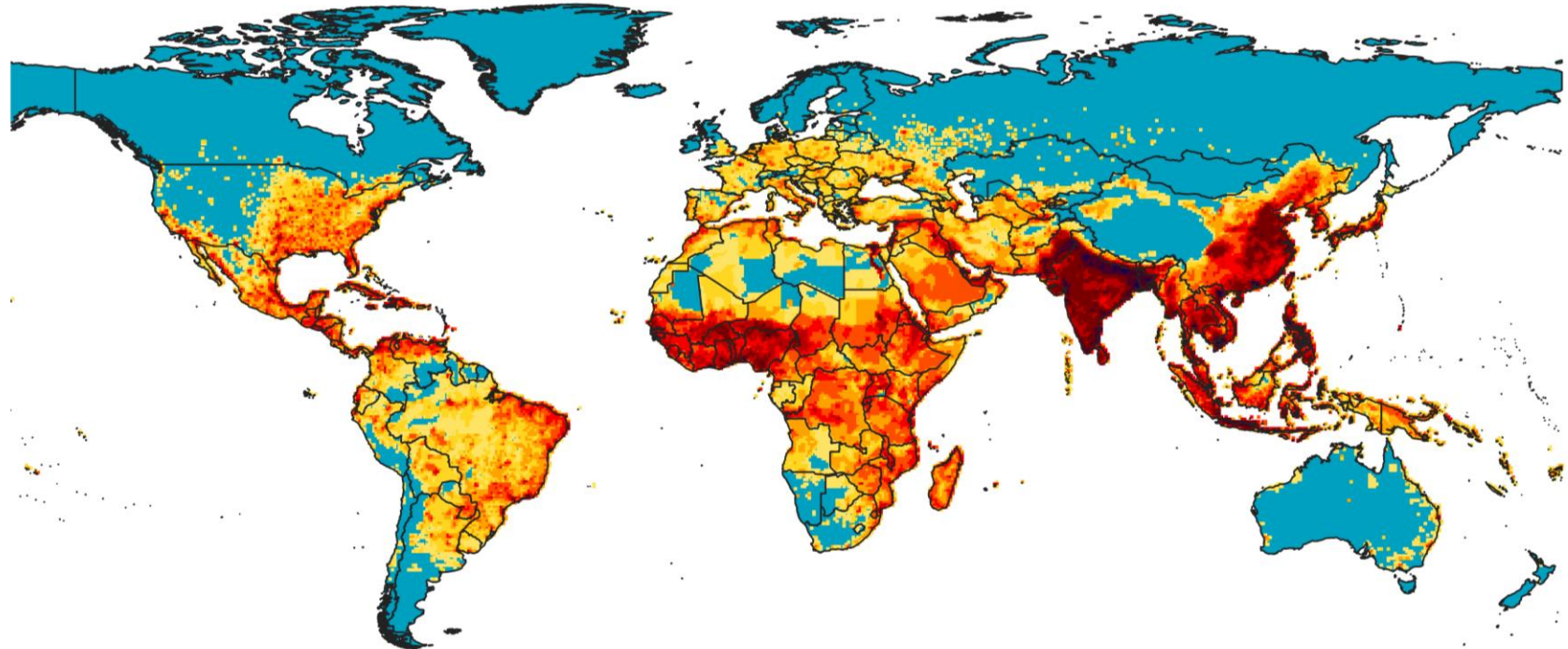
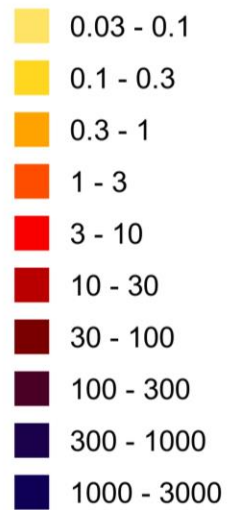
Headline Finding:

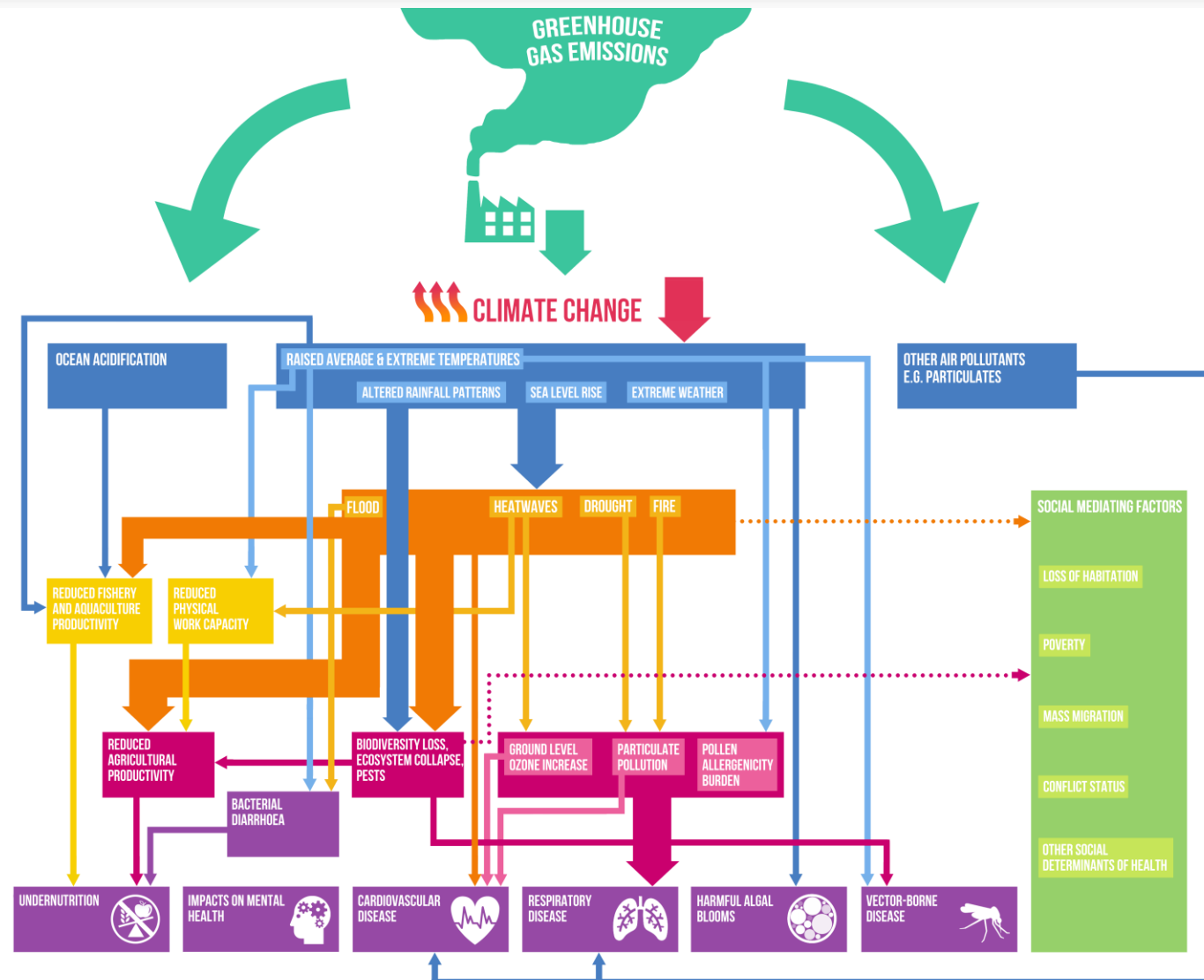
2018 saw 220 million additional vulnerable people exposed to extremes of heat

Headline Finding:

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

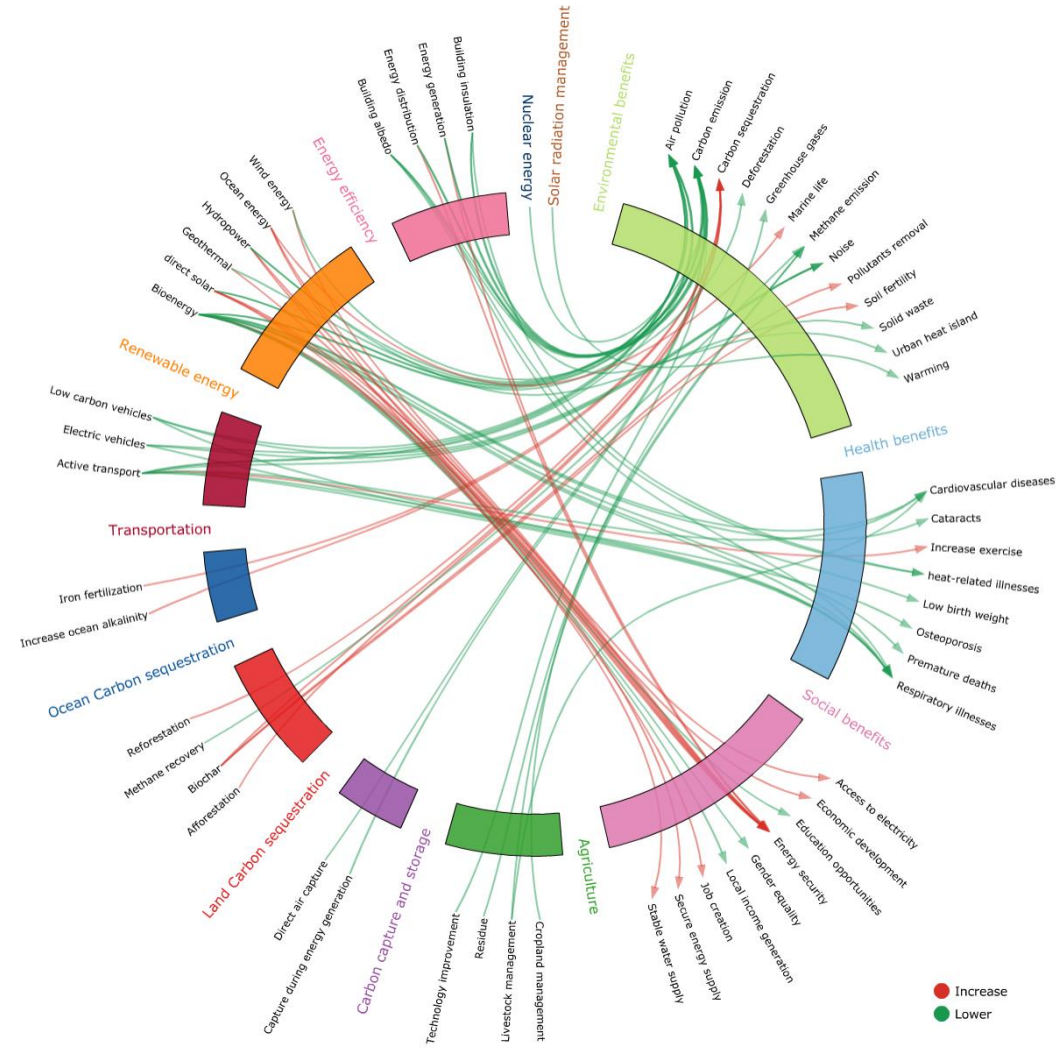
Million potential labour hours lost







"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.”



“Whether or not we respond to climate change, is no longer a technical, economic, or financial question.

It is now entirely a political one.”



Thank you

Dr Nick Watts

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THE LANCET

