

THE 2019 REPORT OF THE LANCET COUNTDOWN ON HEALTH AND CLIMATE CHANGE

*“Ensuring that the health of a child born today
is not defined by a changing climate”*

Caribbean Launch | Bridgetown, Barbados

Dr Nick Watts | Executive Director @LancetCountdown



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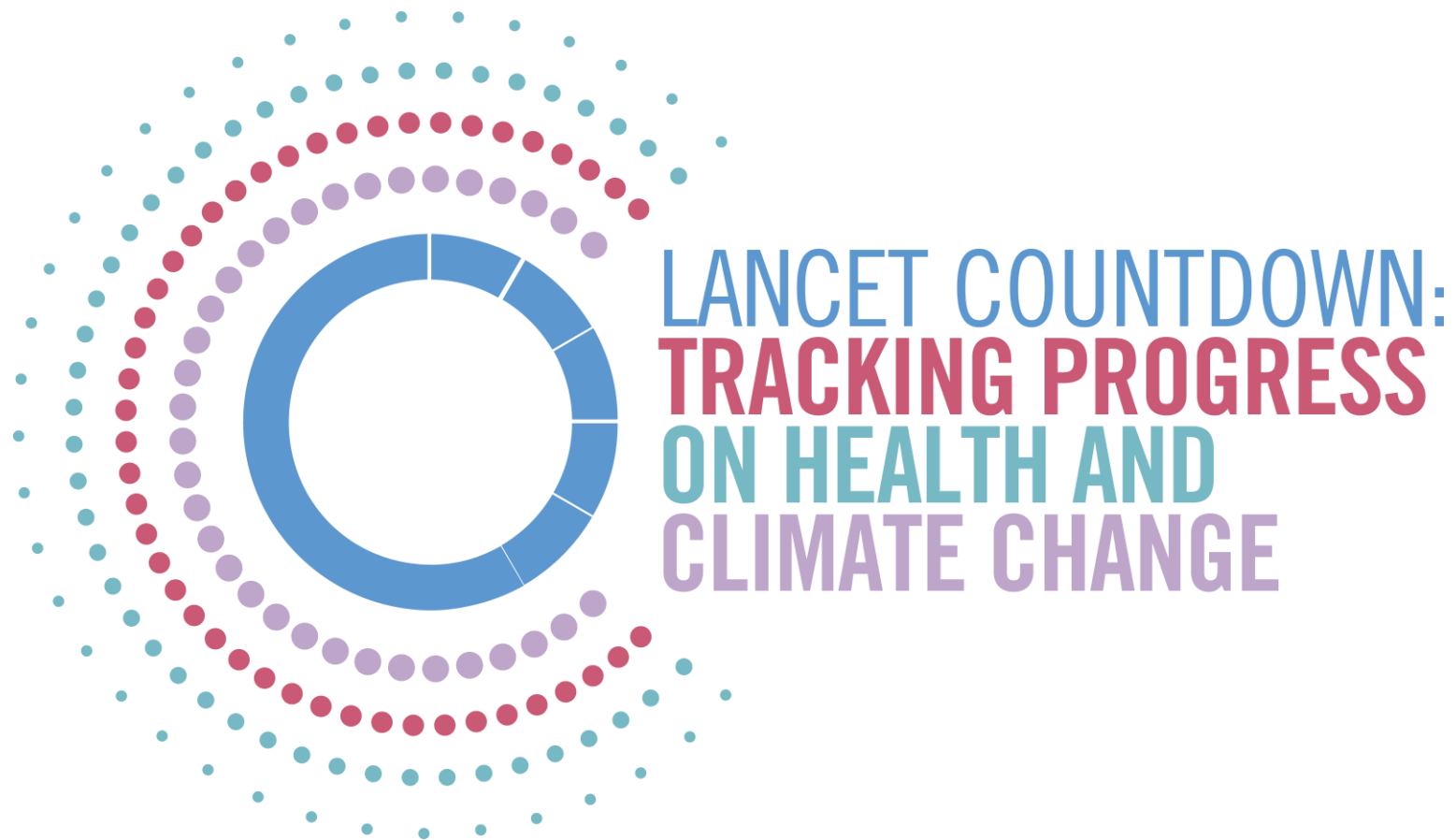
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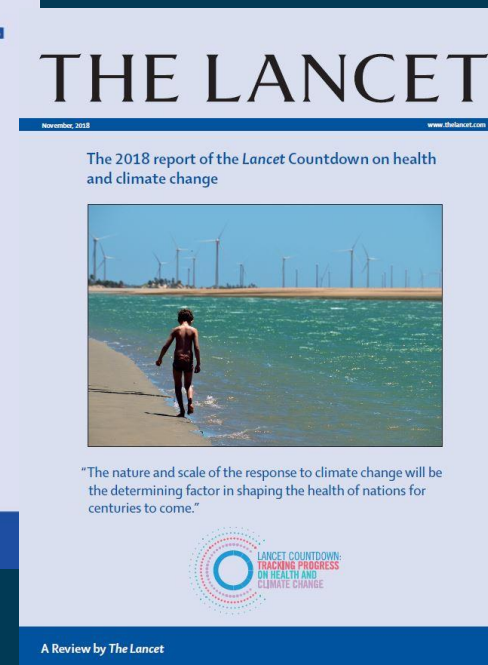
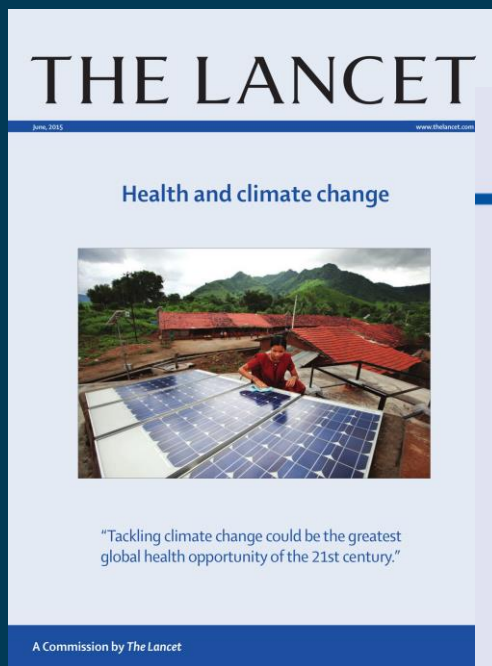
Health, Climate Change, and The Lancet



Lancet Countdown Partners



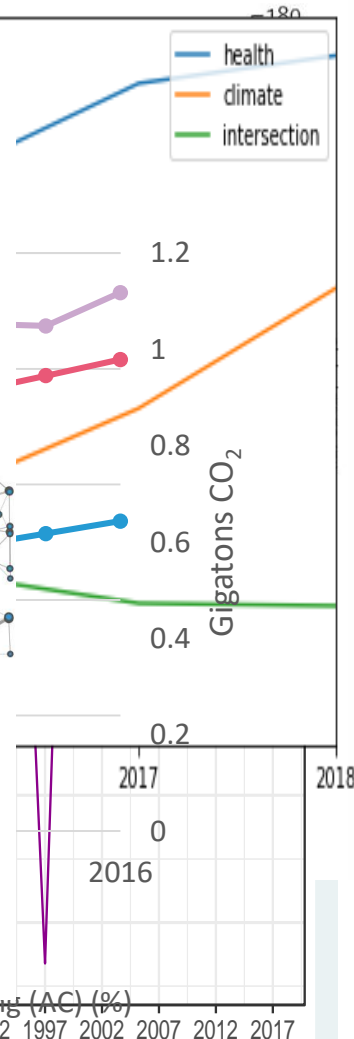
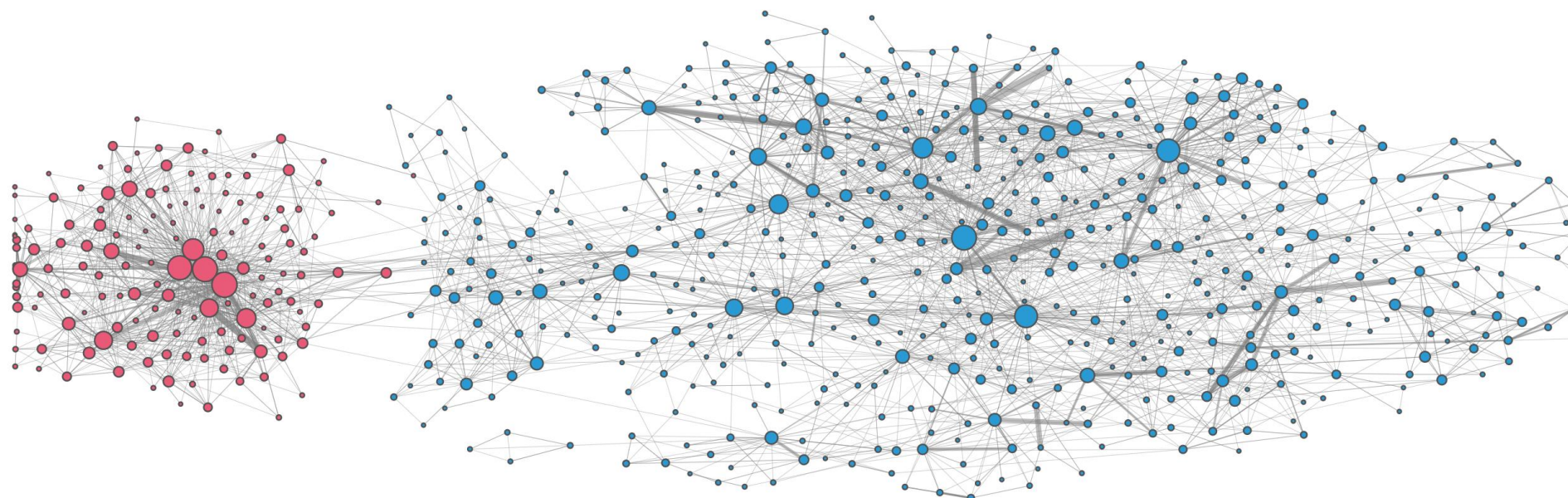
Health, Climate Change & The Lancet



3.5



Health-related articles Climate change-related articles



200
0

2015

2016

2017

Prevented traffic

1982 1987 1992 1997 2002 2007 2012 2017

Households with air conditioning (AC) (%)

1982 1987 1992 1997 2002 2007 2012 2017

Fossil Fuels

Renewables & Nuclear

Electricity Networks

Energy Efficiency

2015-specific greenhouse gas emissions (gigatons)

2019 Indicators

Section	Indicator
Climate Change Impacts, Exposures and Vulnerability	1.1.1: Vulnerability to extremes of heat
	1.1.2: Health and exposure to warming
	1.1.3: Exposure of vulnerable populations to heatwaves
	1.1.4: Change in labour capacity
	1.2.1: Wildfires
	1.2.2: Flood and drought
	1.2.3: Lethality of weather-related disasters
	1.3: Global health trends in climate-sensitive diseases
	1.4.1: Climate suitability for infectious disease transmission
	1.4.2: Vulnerability to mosquito-borne diseases
	1.5.1: Terrestrial food security and undernutrition
	1.5.2: Marine food security and undernutrition
Adaptation, Planning, and Resilience for Health	2.1.1: National adaptation plans for health
	2.1.2: National assessments of climate change impacts, vulnerability, and adaptation for health
	2.1.3: City-level climate change risk assessments
	2.2: Climate information services for health
	2.3.1: Detection, preparedness and response to health emergencies
	2.3.2: Air conditioning – benefits and harms
	2.4: Spending on adaptation for health and health-related activities

2019 Indicators



Section	Indicator
Mitigation Actions and Health Co-Benefits	3.1.1: Carbon intensity of the energy system
	3.1.2: Coal phase-out
	3.1.3: Zero-carbon emission electricity
	3.2: Access and use of clean energy
	3.3.1: Exposure to air pollution in cities
	3.3.2: Premature mortality from ambient air pollution by sector
	3.4: Sustainable and healthy transport
	3.5: Food, agriculture, and health
Economics and Finance	3.6: Mitigation in the healthcare sector
	4.1: Economic losses due to climate-related extreme events
	4.2: Economic costs of air pollution
	4.3.1: Investment in new coal capacity
	4.3.2: Investments in zero-carbon energy and energy efficiency
	4.3.3: Employment in low-carbon and high-carbon industries
	4.3.4: Funds divested from fossil fuels
	4.4.1: Fossil fuel subsidies
Public and Political Engagement	4.4.2: Coverage and strength of carbon pricing
	5.1: Media coverage of health and climate change
	5.2: Individual engagement in health and climate change
	5.3: Engagement in health and climate change in the United Nations General Assembly
	5.4: Engagement in health and climate change in the corporate sector

"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."

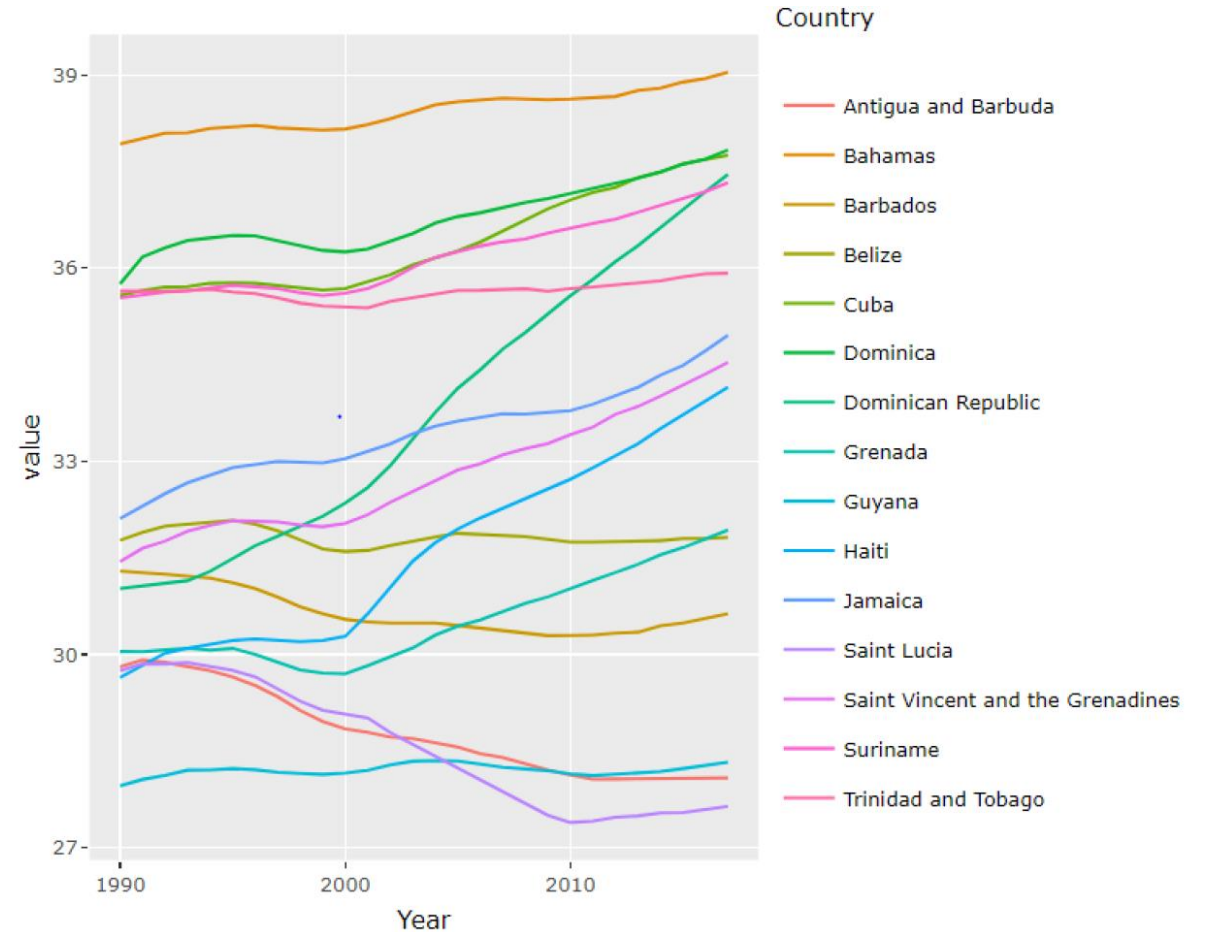




LANCET COUNTDOWN:
TRACKING PROGRESS
ON HEALTH AND
CLIMATE CHANGE



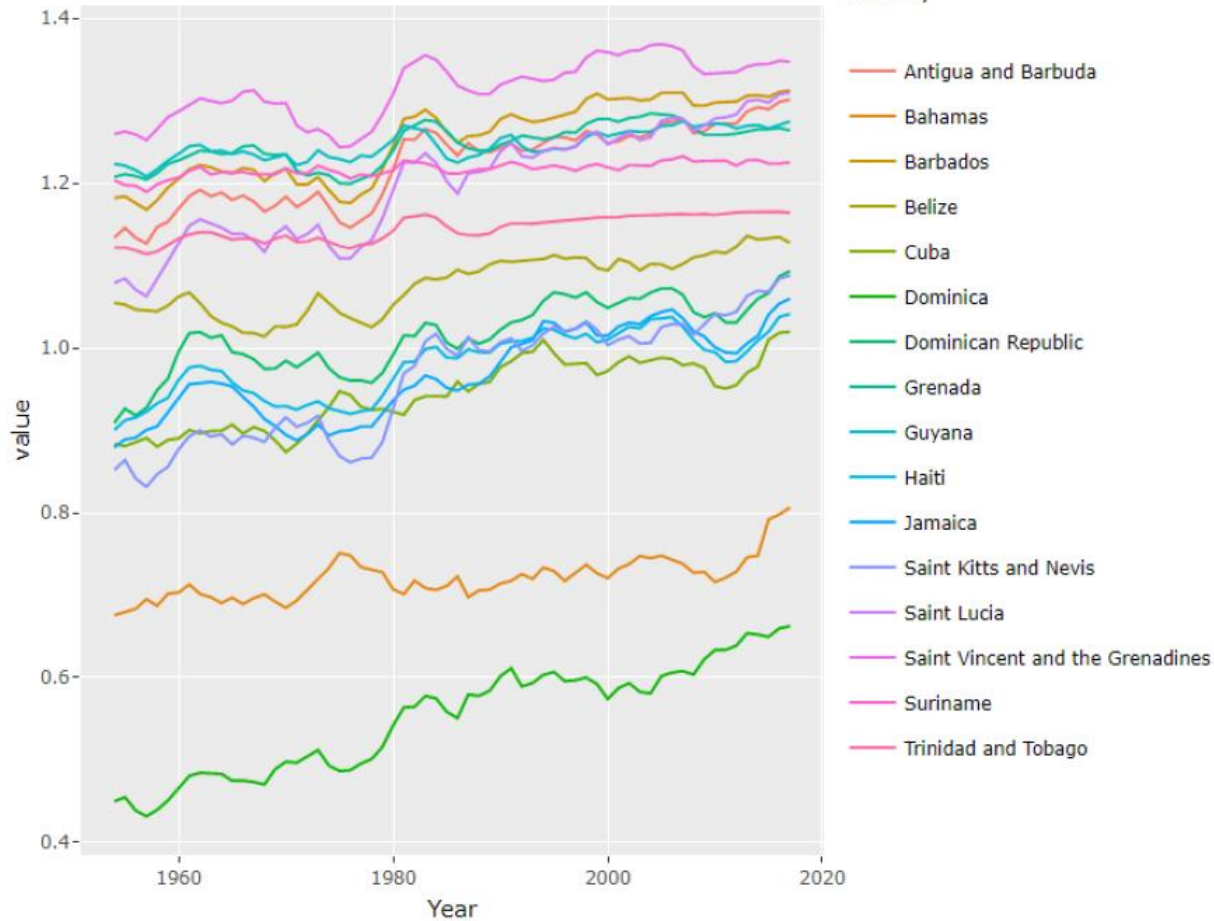
Indicator 1.1.1 – Heat Vulnerability



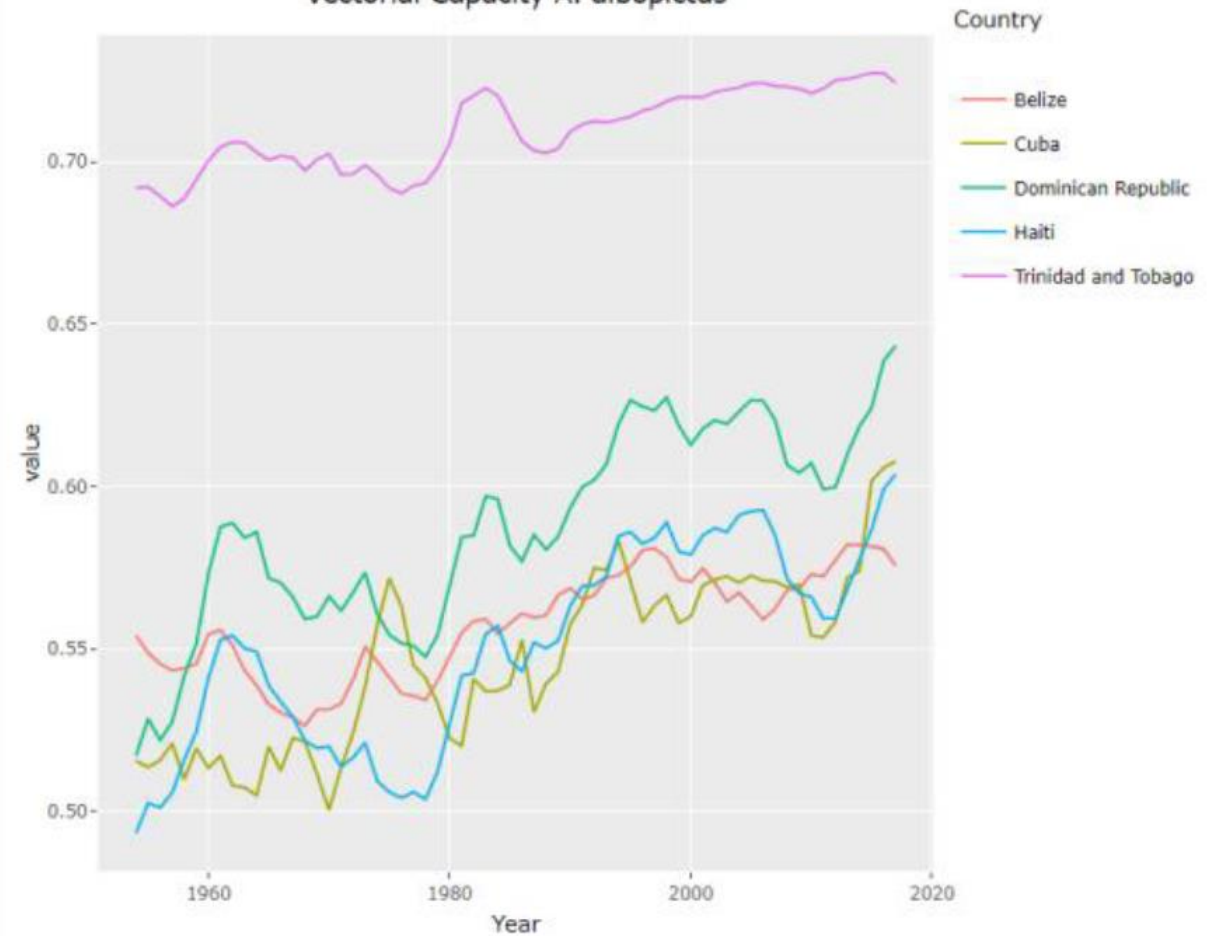


1.4. Vectorial Capacity for Dengue Fever

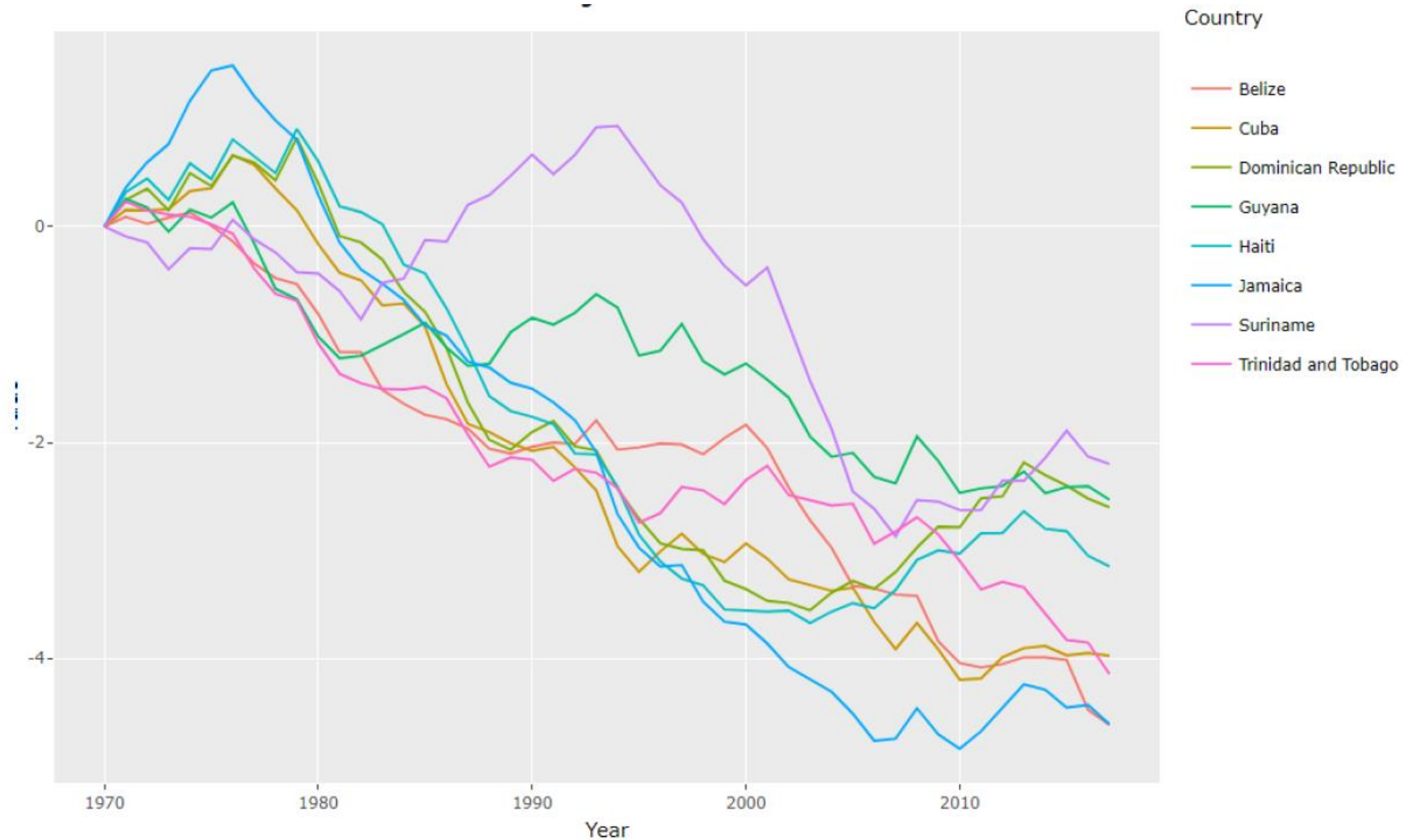
Vectorial Capacity *A. aegypti*



Vectorial Capacity *A. albopictus*



1.5.1. Food Security





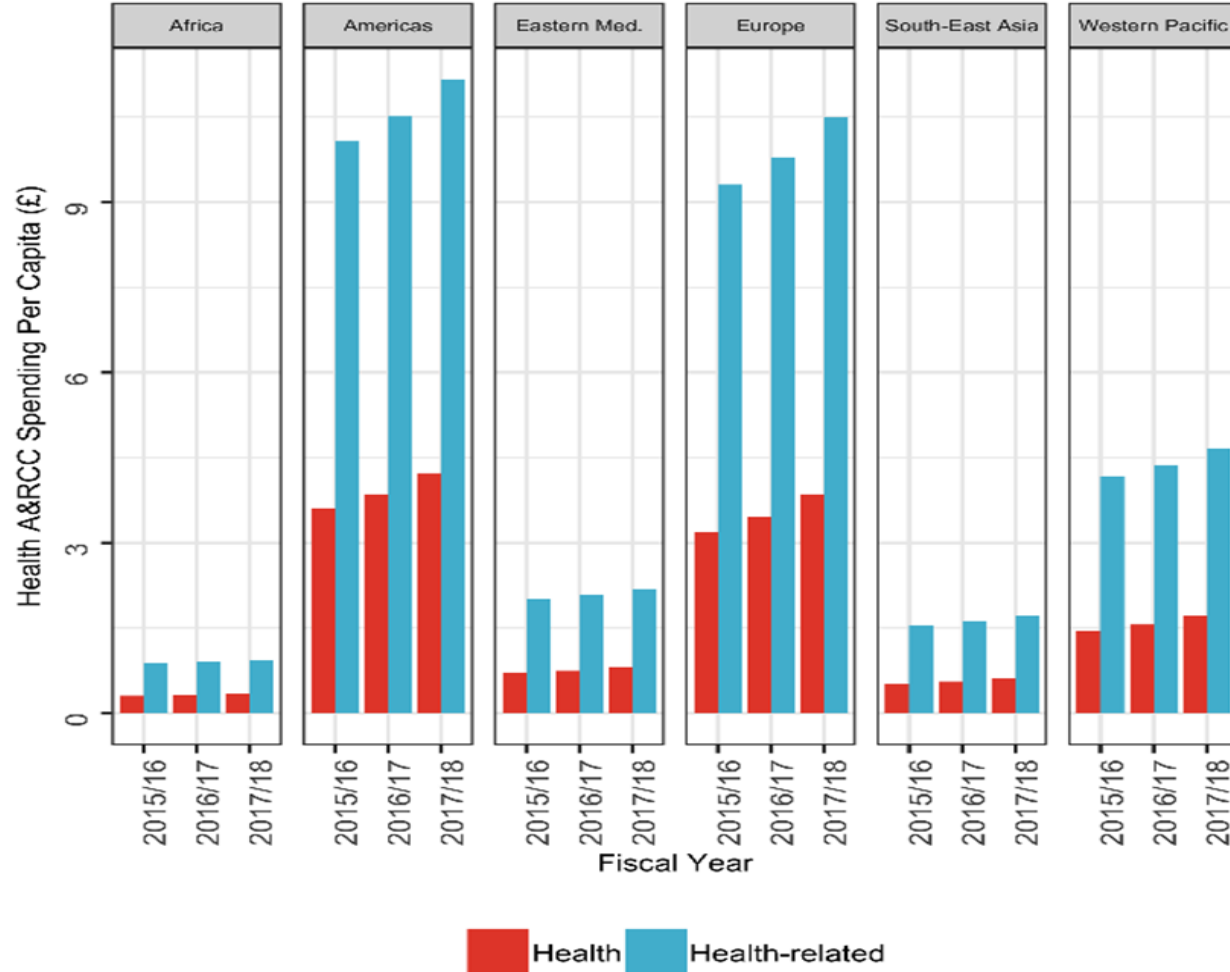
"A second path

— 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.”



2.4: Spending on Adaptation for Health and Health-Related Activities



Headline Finding:

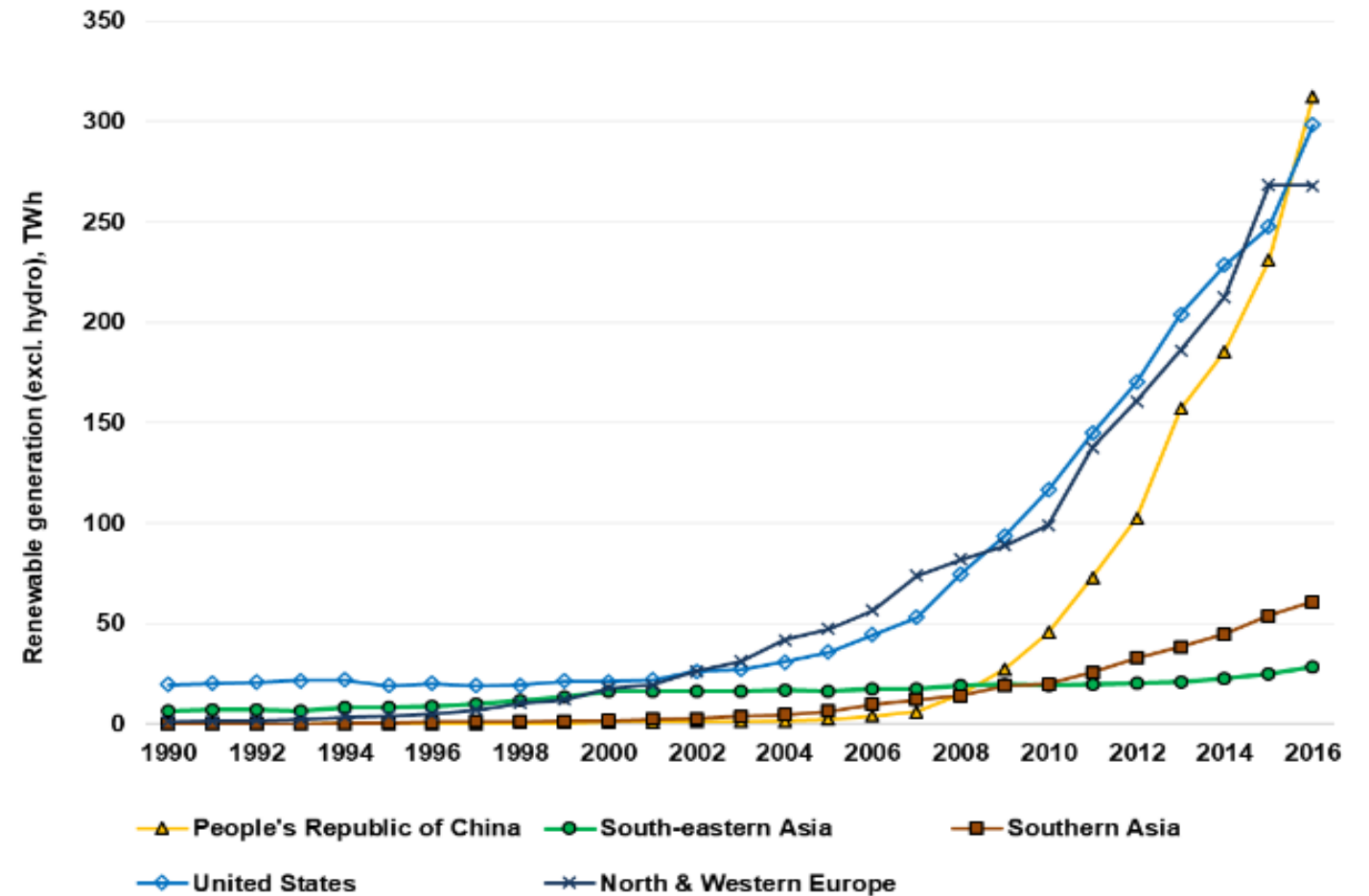
In 2018, global health adaptation spending increased by 11.2%, reaching 5% of total climate change adaptation spending.



3.1.3: Zero-Carbon Emission Electricity

Headline Finding:

In 2018, renewable energy accounted for 45% of growth in electricity generation, with 27% of growth coming from wind and solar.

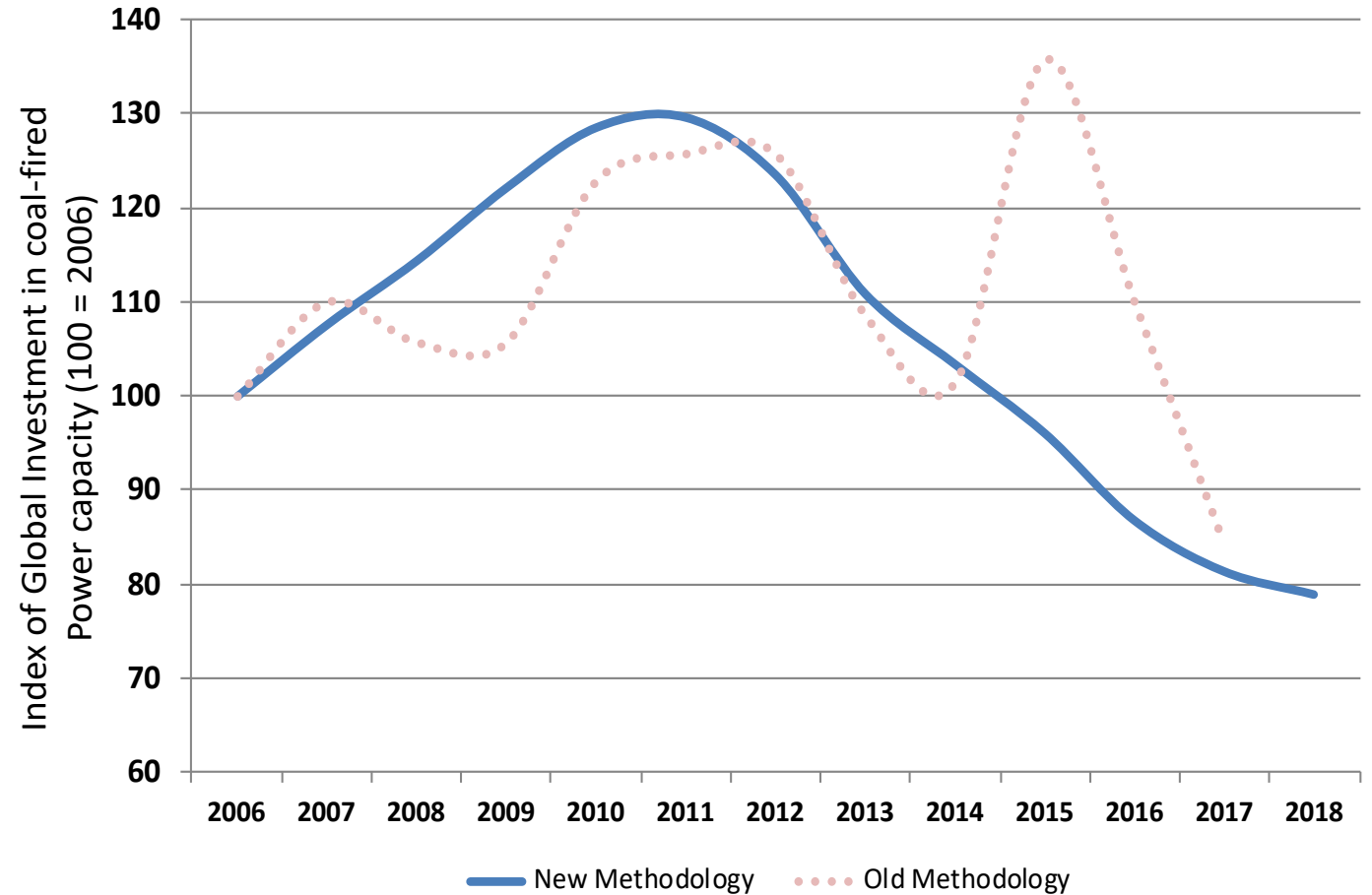




4.3.1: Investment in New Coal Capacity

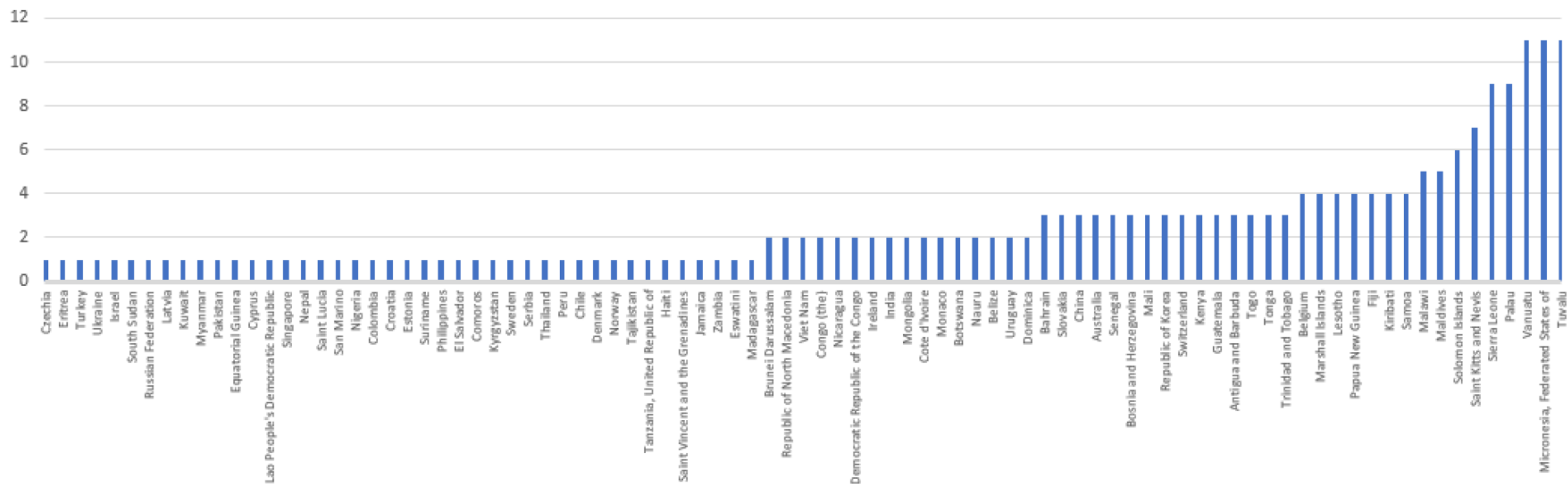
Headline Finding:

The total number of final investment decisions for coal plants declined by 30% in 2018, with costs and construction times for these plants increasing, in part due to the health concerns of air pollution.



5.3. Health and Climate Change at the UNGA

Mentions both health and climate change



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

It is now entirely a political one.”



Strengthening the Lancet Countdown





Thank you

Dr Nick Watts

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THE LANCET

