

Climate change and effective policy

Stop alarmism wasting trillions

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Global Warming

Real and Manmade

Global Warming

Often exaggerated

Claims on Global Warming

- Guterres, UN Secretary General
 - “The world is facing a grave climate emergency... Every week brings new climate-related devastation. Floods. Drought. Heatwaves. Wildfires. Superstorms.”
 - “We are in a battle for our lives”
 - “Climate change is the biggest threat to the global economy”

<https://unfccc.int/news/guterres-climate-action-is-a-battle-for-our-lives>

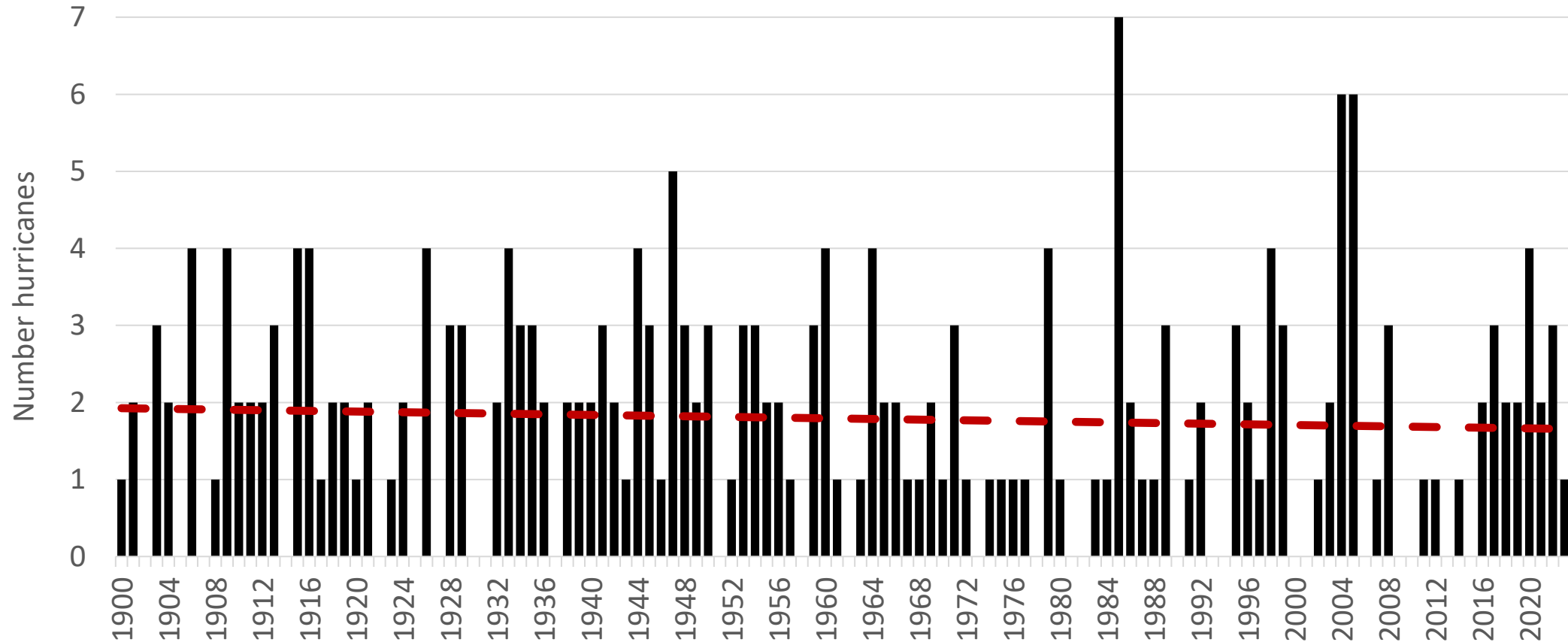
<https://unfccc.int/news/antonio-guterres-climate-change-is-biggest-threat-to-global-economy>

Hurricanes



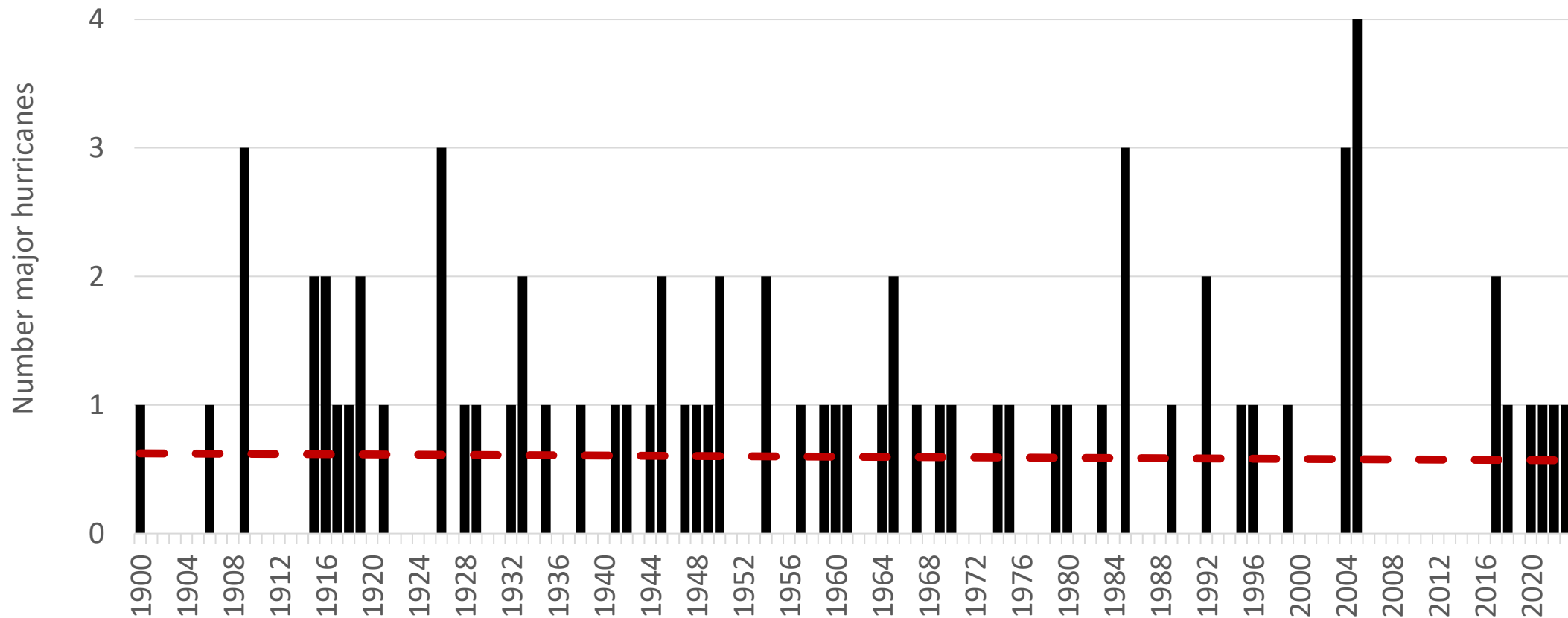
Hurricanes

- US landfalling hurricanes 1900-2023, all



Hurricanes

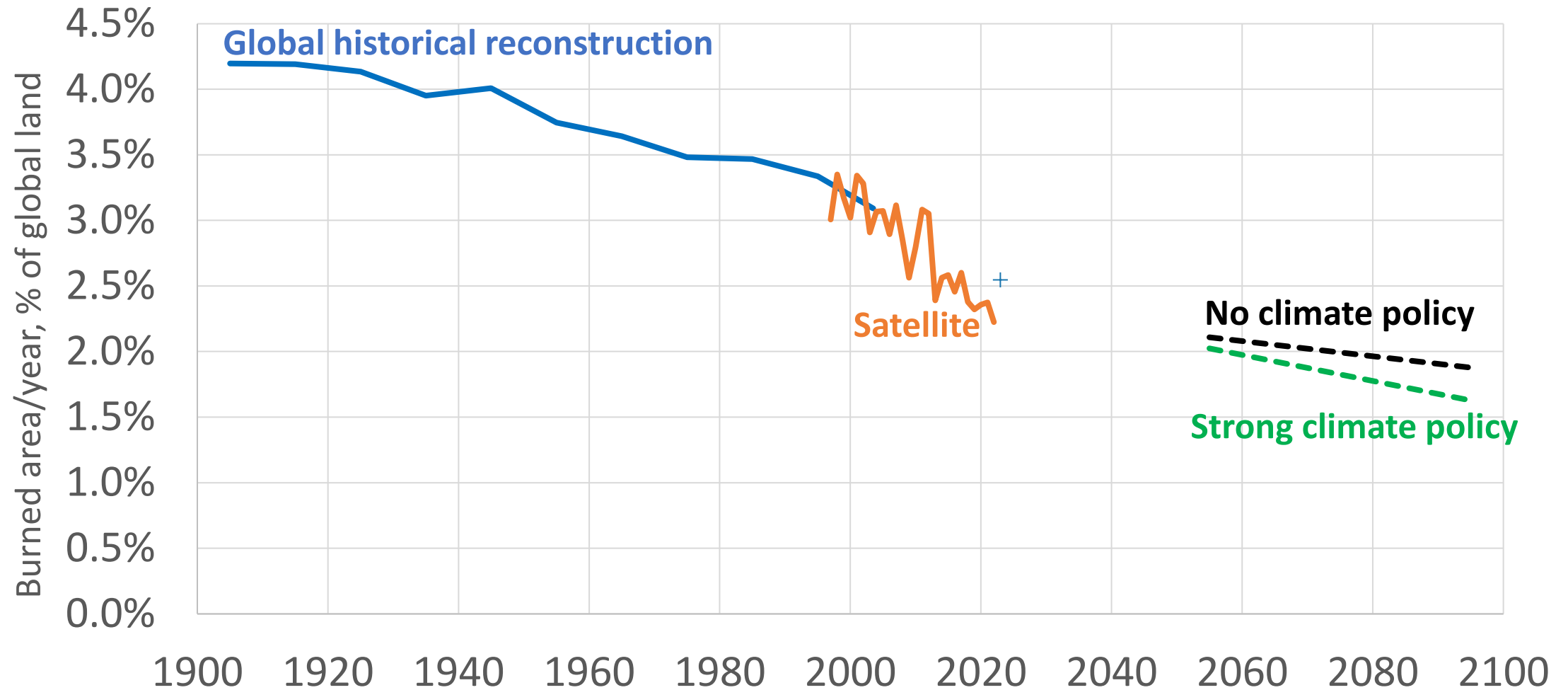
- US landfalling hurricanes 1900-2023, **major**



Wildfire



Global fire, burned area 1900-2100

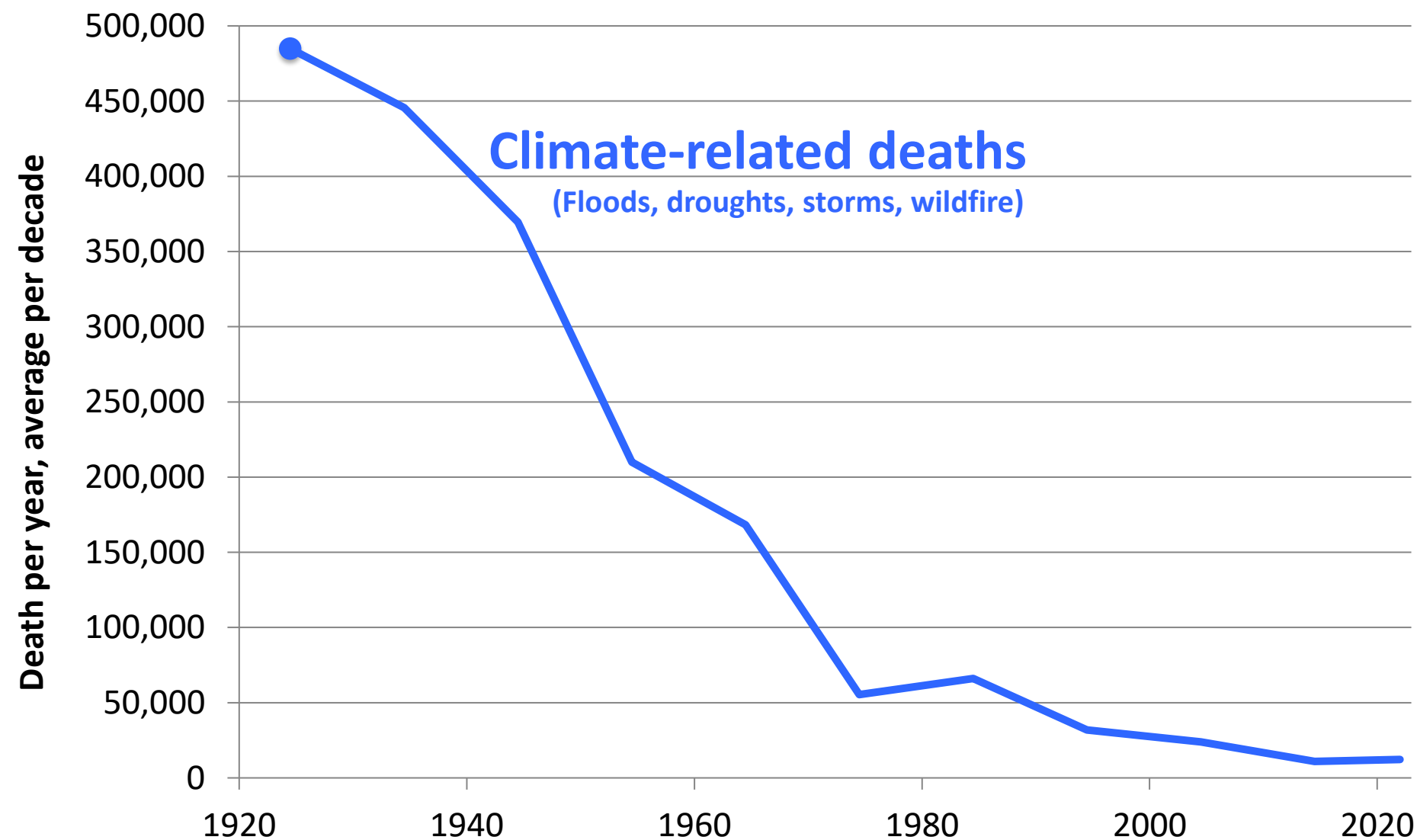


<https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1002/2013JG002532>,
<https://www.sciencedirect.com/science/article/pii/S0034425718303705>,
<https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2020EF001786>

Why do we get it so wrong on Global Warming?

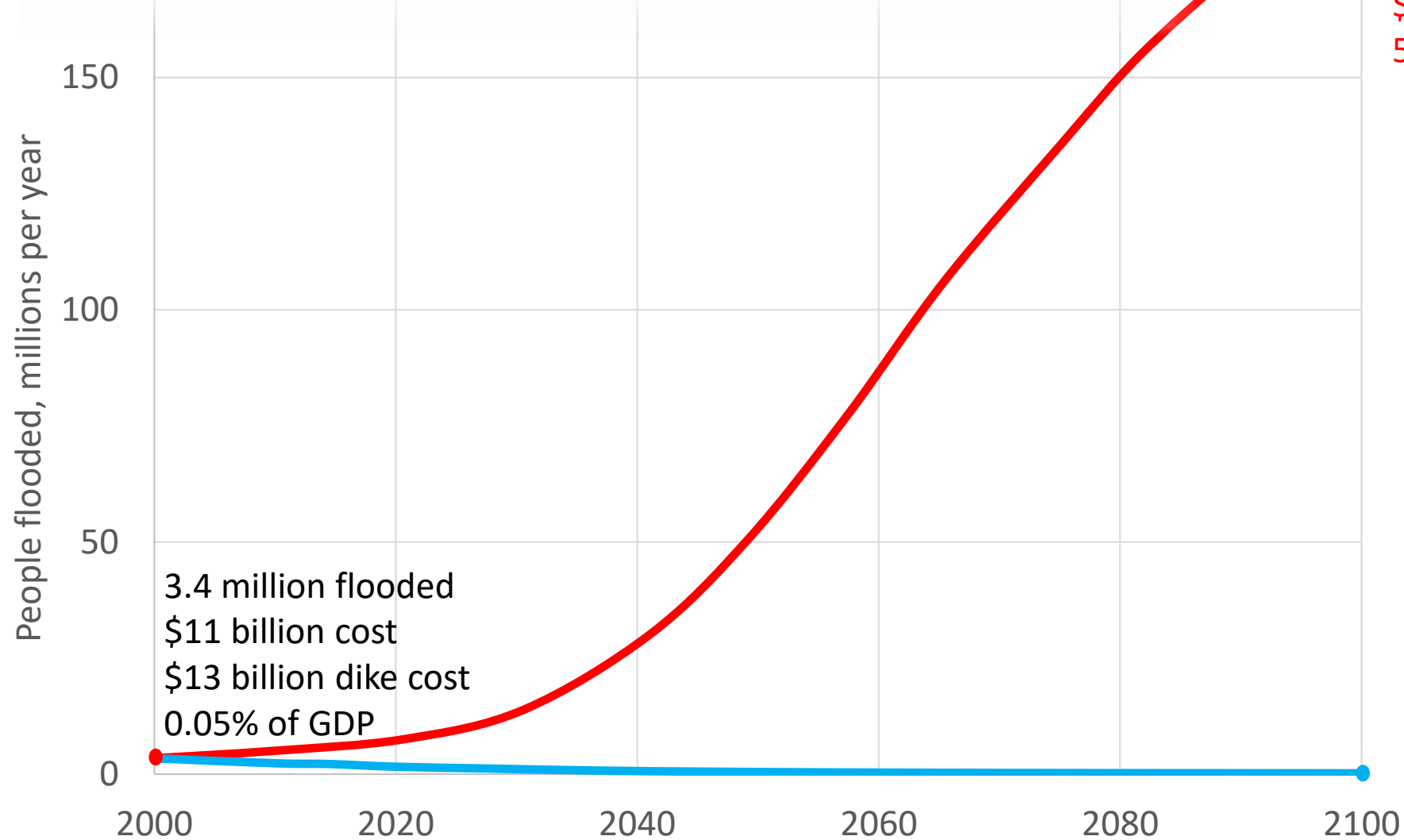
Miss adaptation

Deaths from Climate, 1920-2023



Future flooding?

Worst case warming, highest population, highest GDP



No adaptation
187 million flooded
\$55 trillion flood cost
\$24 billion dike cost
5.3% of GDP

Adaptation
15,000 flooded
\$38 billion flood cost
\$48 billion dike cost
0.008% of GDP

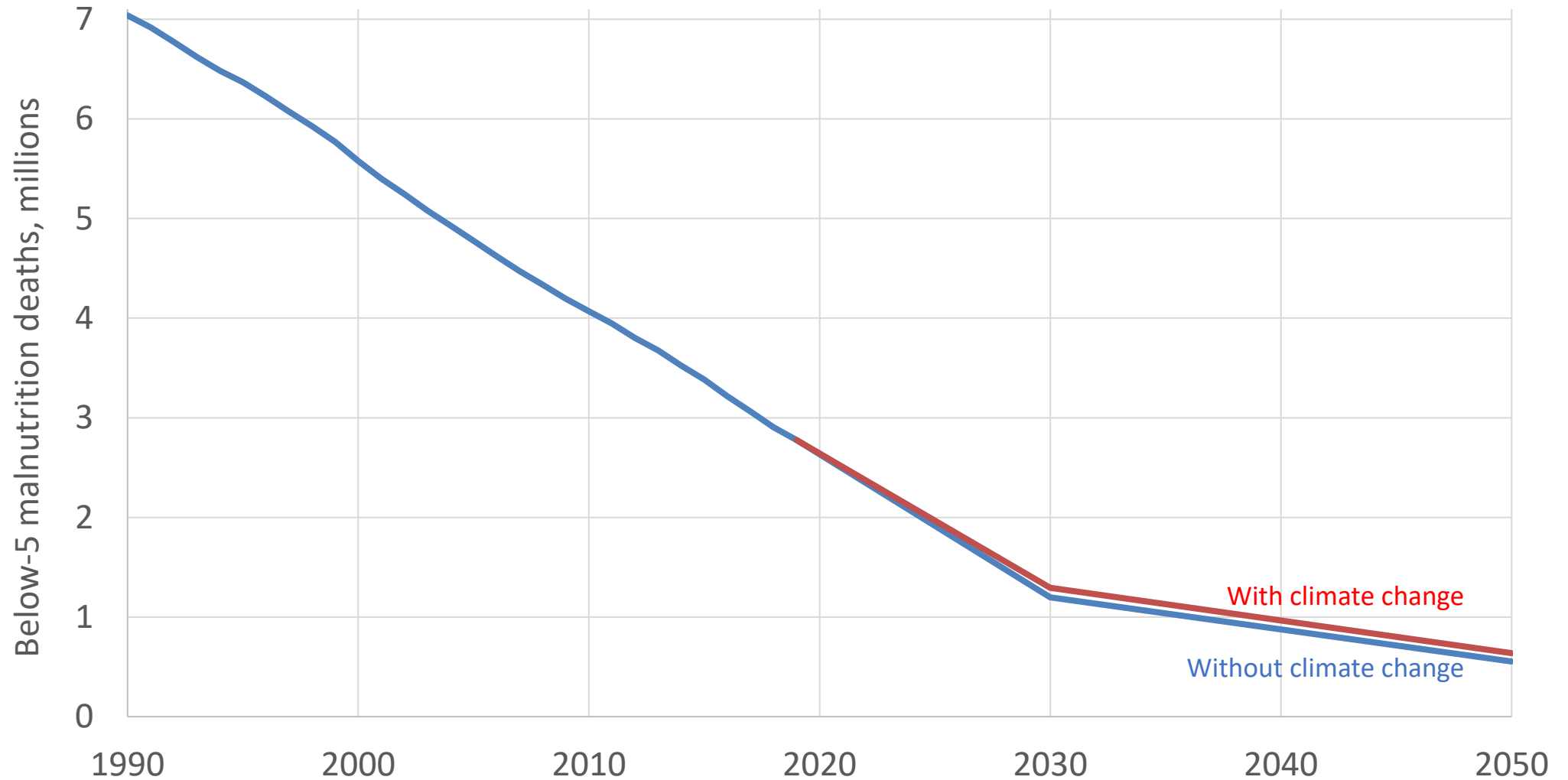
Climate not end-of-world

It is a problem

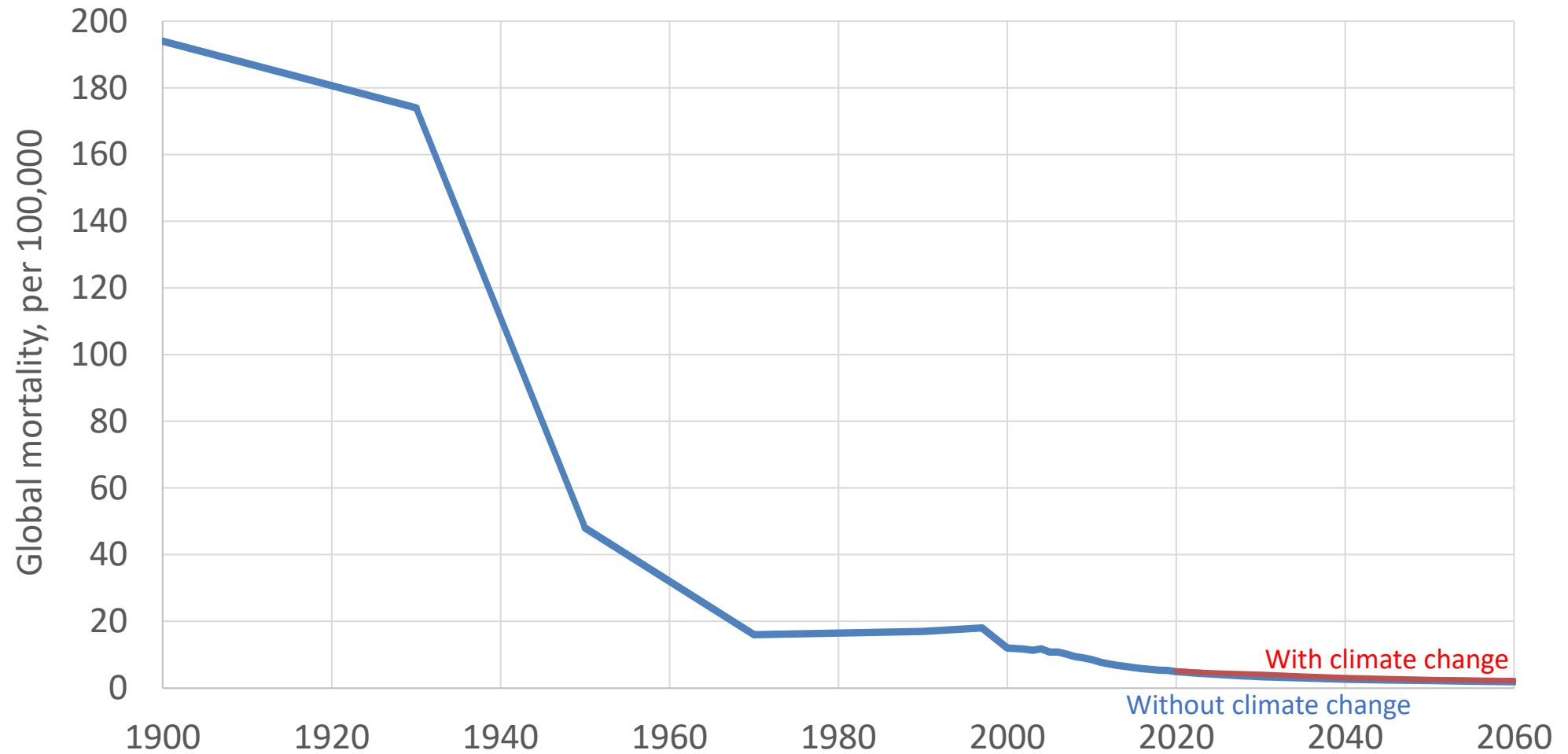
Better, slightly slower

- Climate change doesn't mean end-of-world
- It means **things get much better, slightly slower**

Hunger deaths, 1990-2050



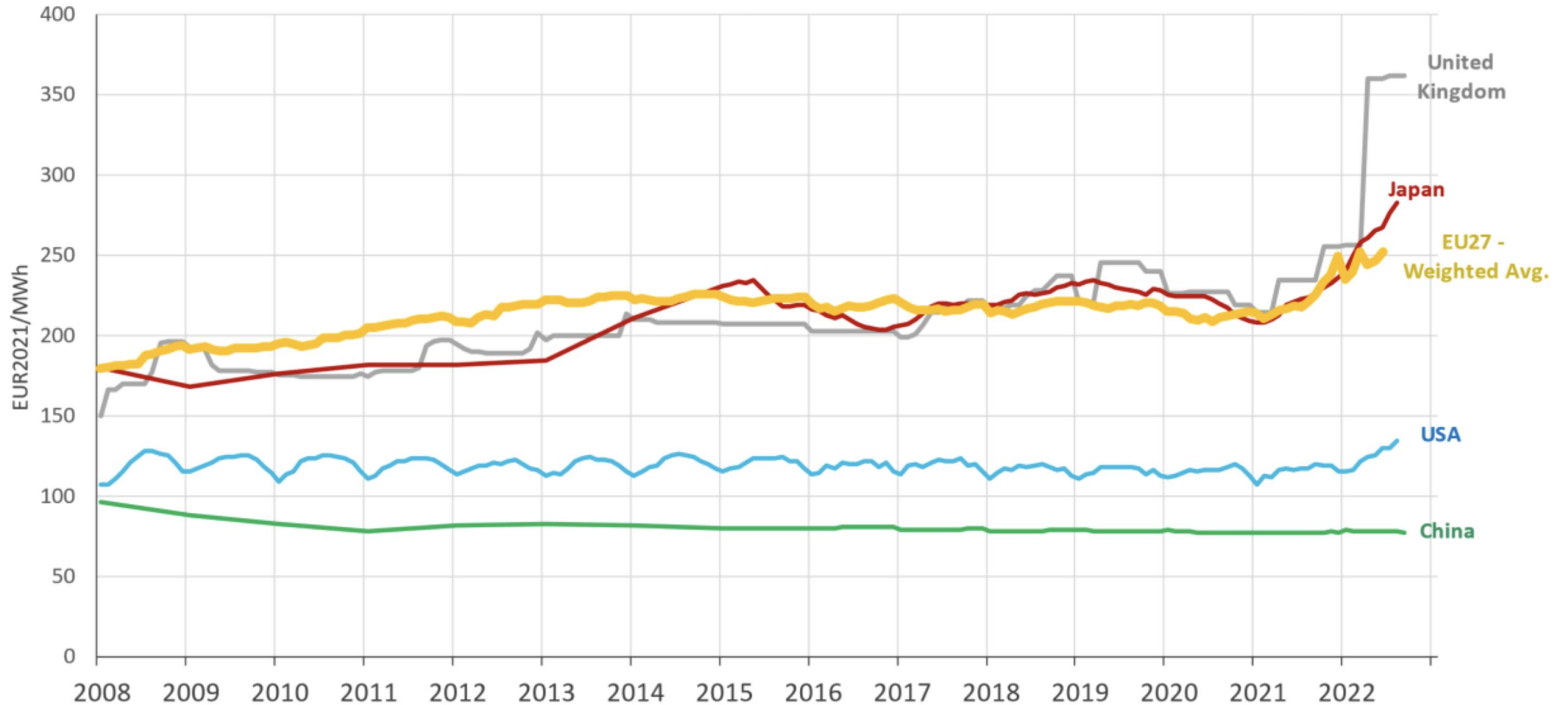
Malaria, 1900-2060



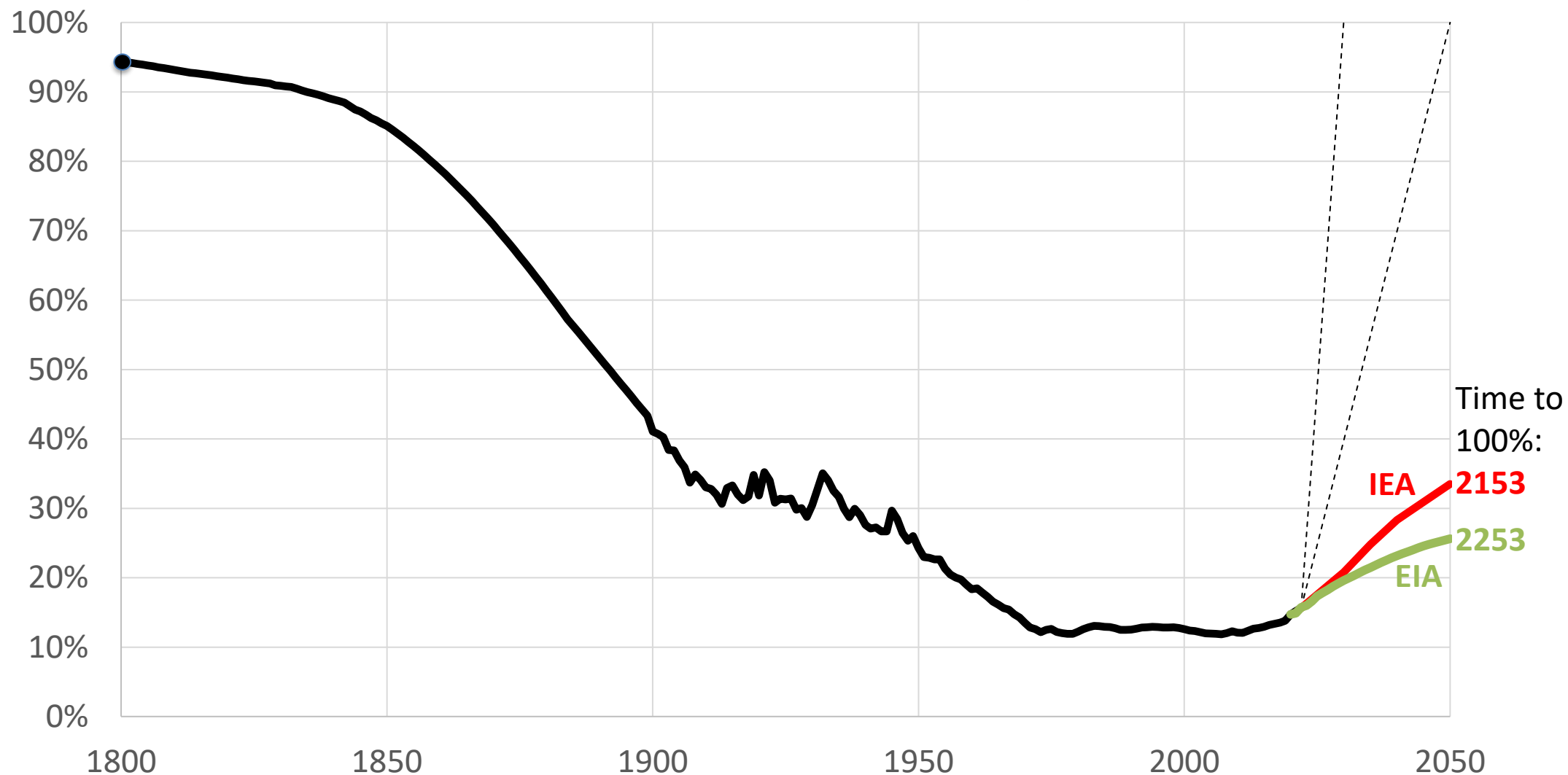
Current climate policies

Unrealistic and unsustainable

EU household electricity price 2008-2022



Global share of renewable energy, 1800-2050



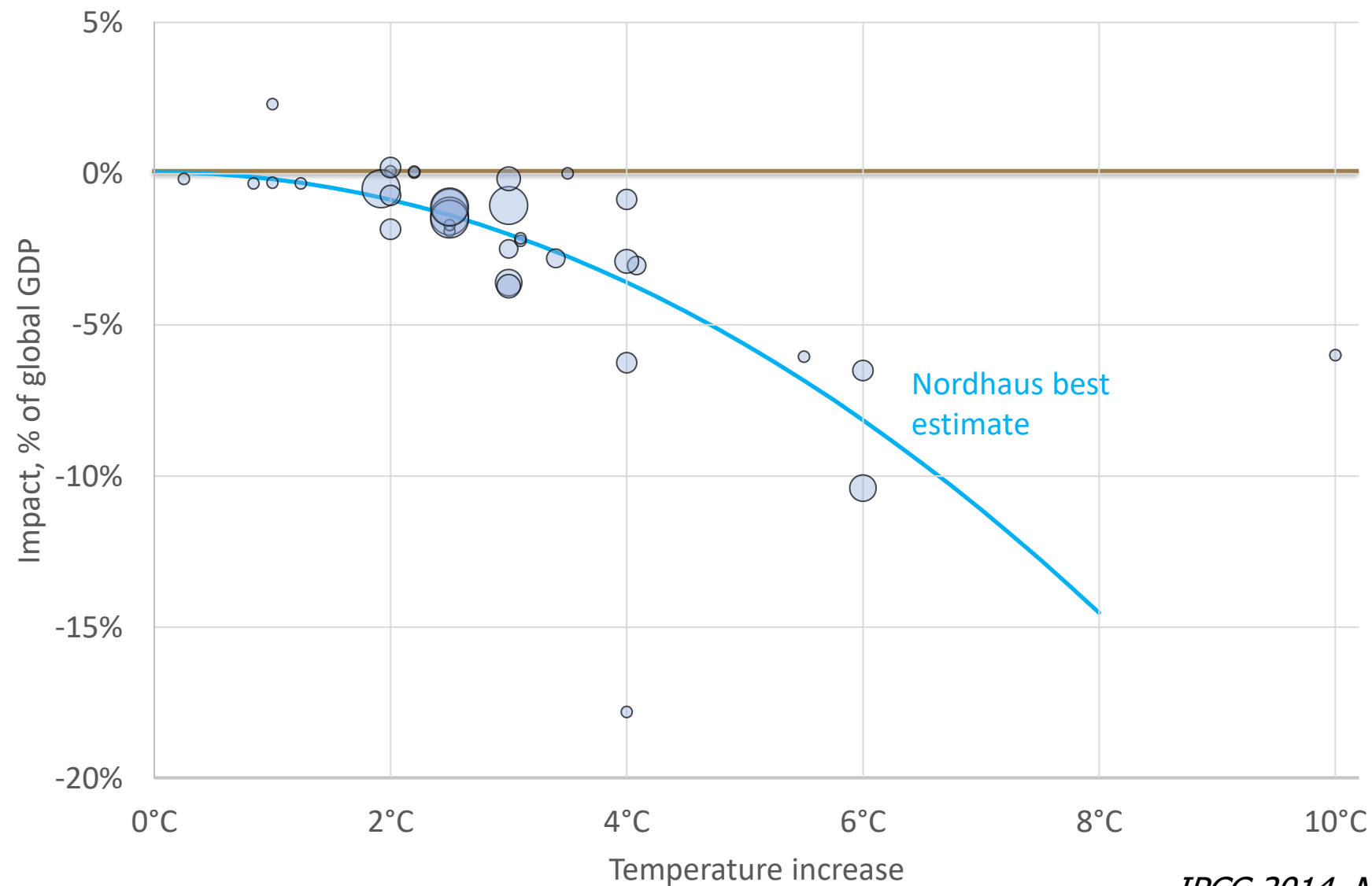
Lomborg 2020, International Energy Agency 2023, Biden's Energy Information Administration 2023

How to do *smart* climate policy

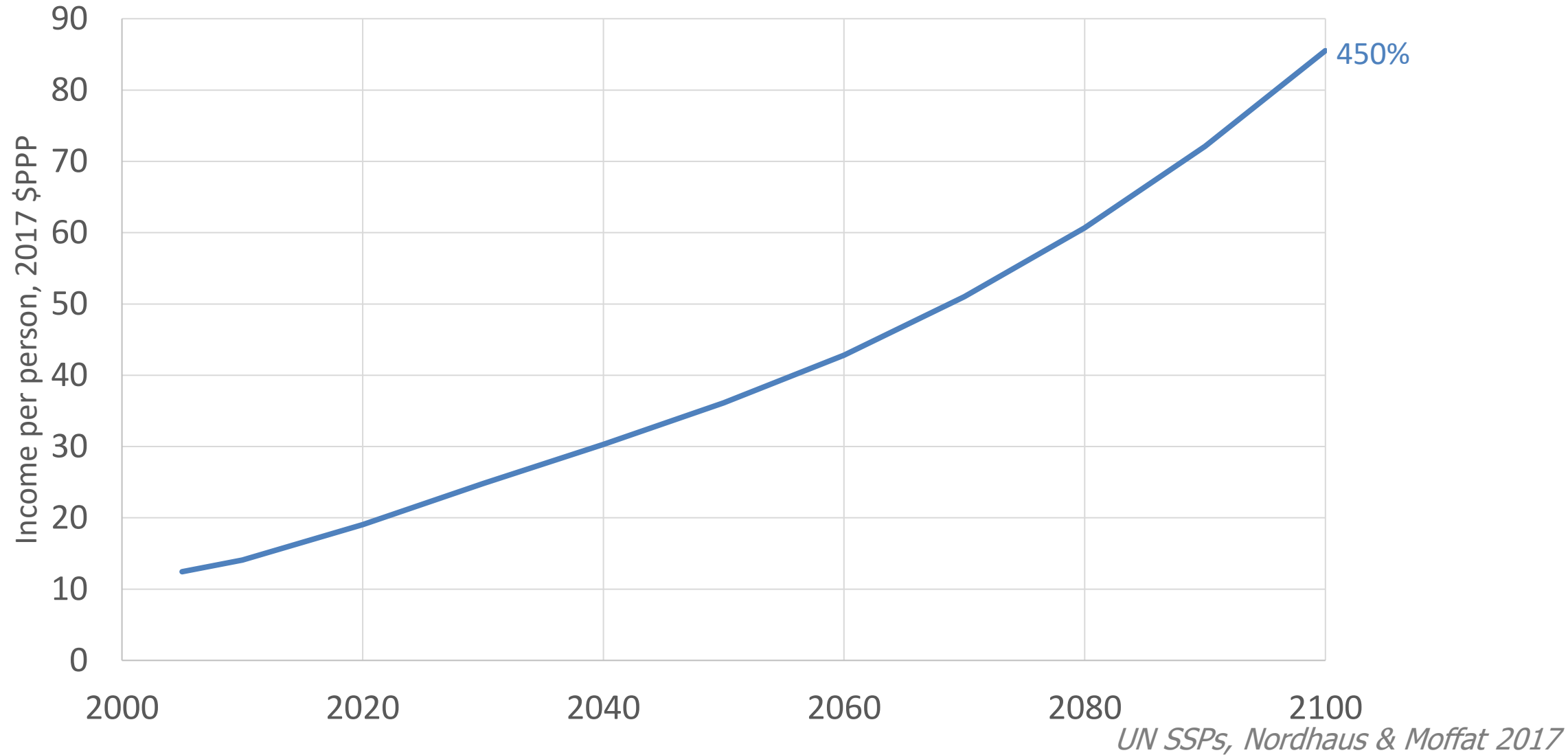
Climate means costly damages

But climate policy *also* means costly damages

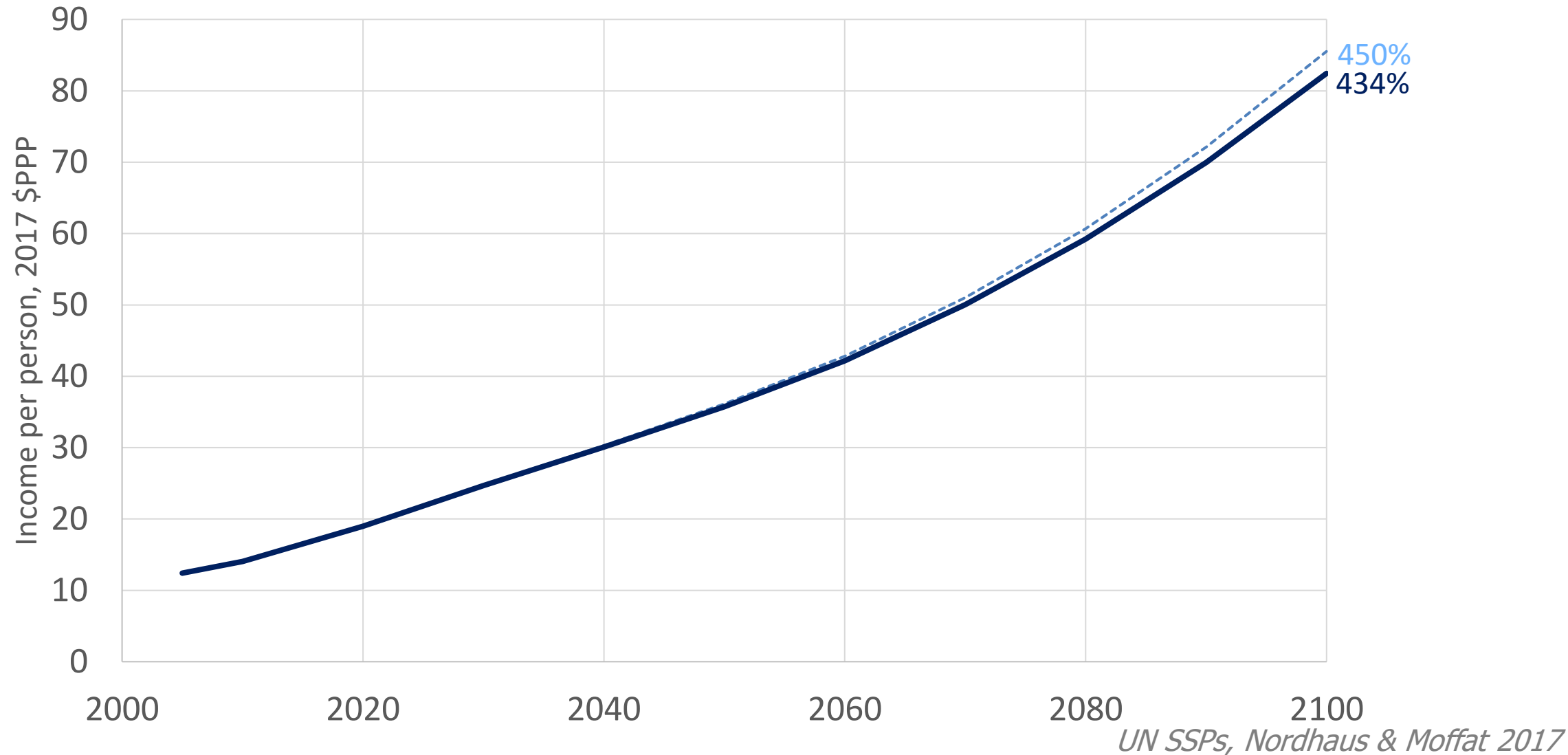
Warming impact, in % global GDP



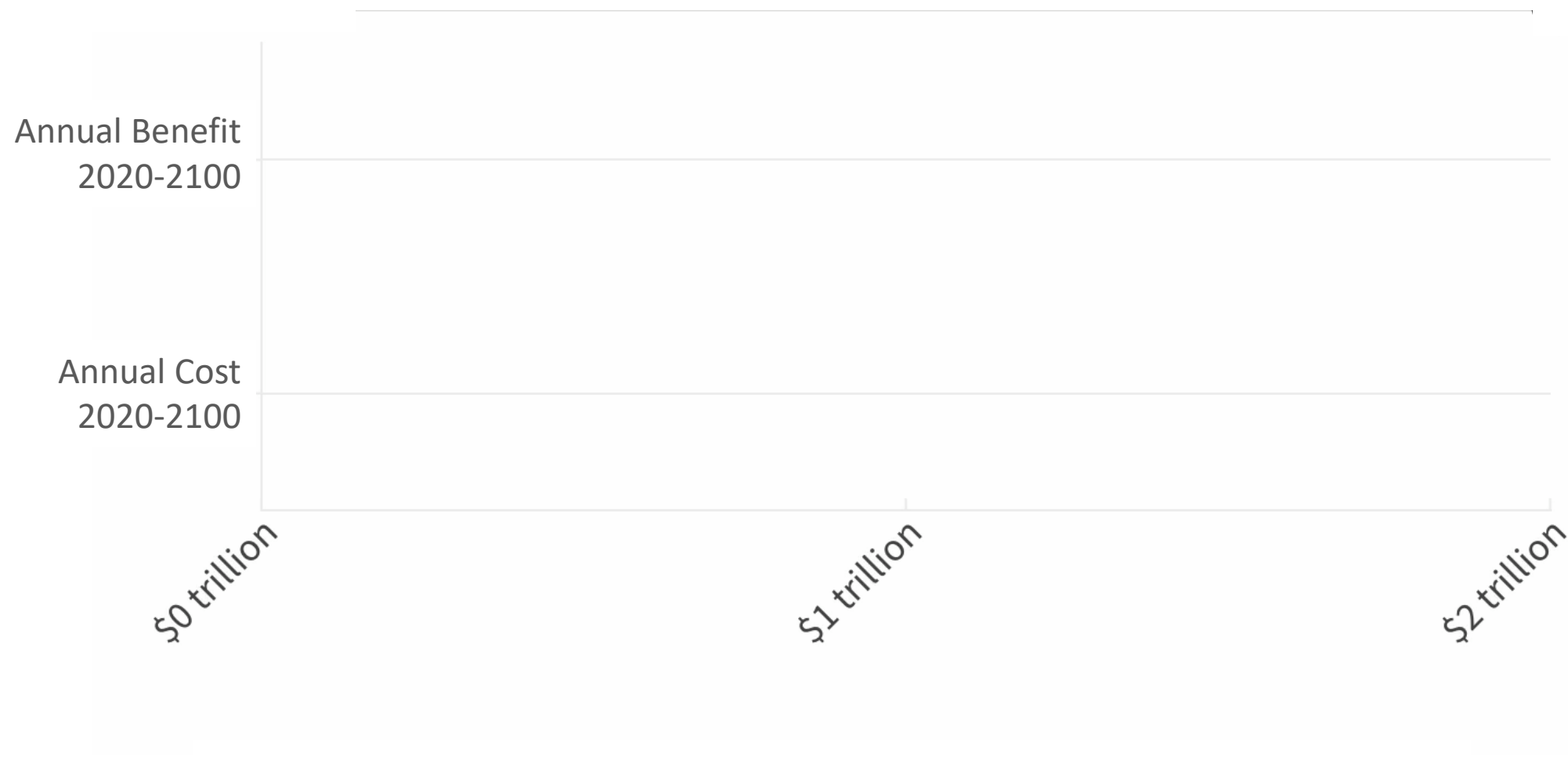
Average person 4.5x as rich



Because of climate, average person 4.3x as rich



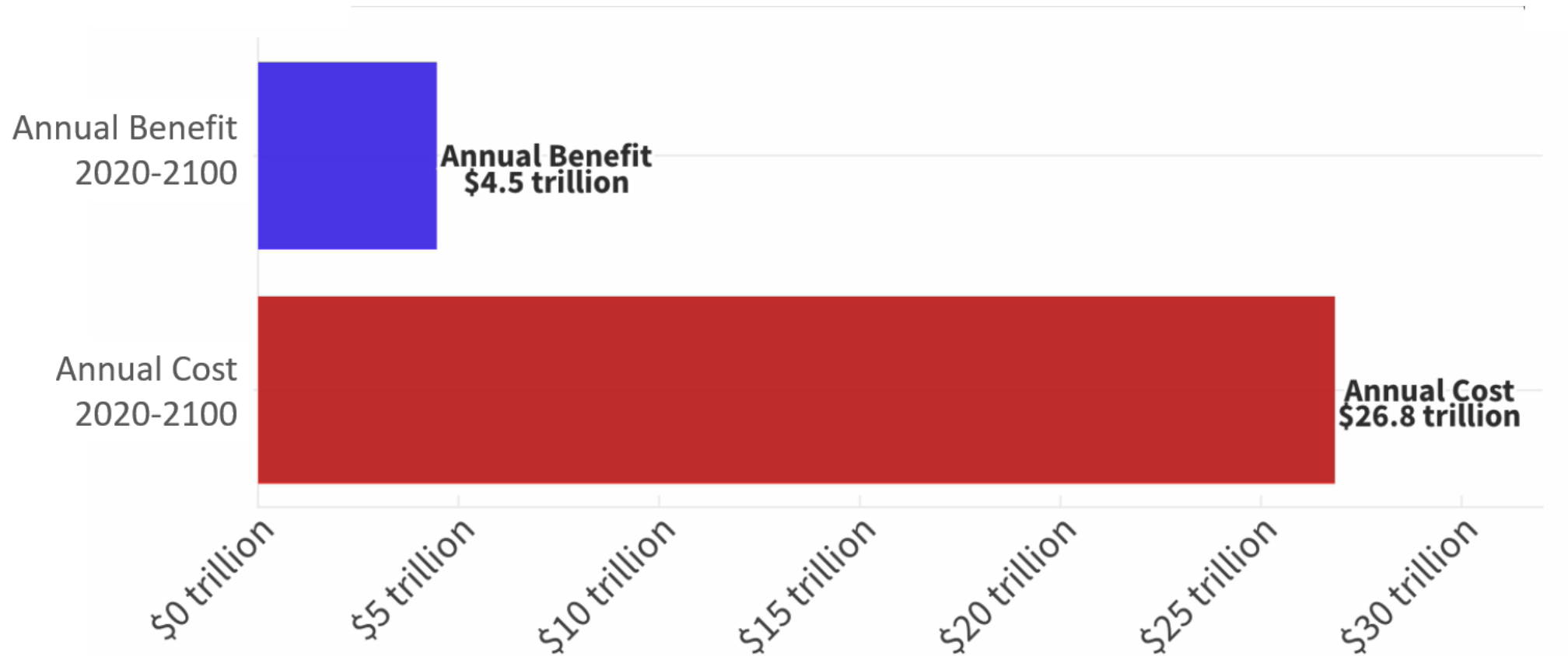
Net-Zero 2050: Costs outweigh benefits



Annual average, undiscounted, 2020-2100, 2023 US\$

Climate Change Economics: Mendelsohn 2023, Tol 2023, Morris et al 2023

Net-Zero 2050: Costs outweigh benefits



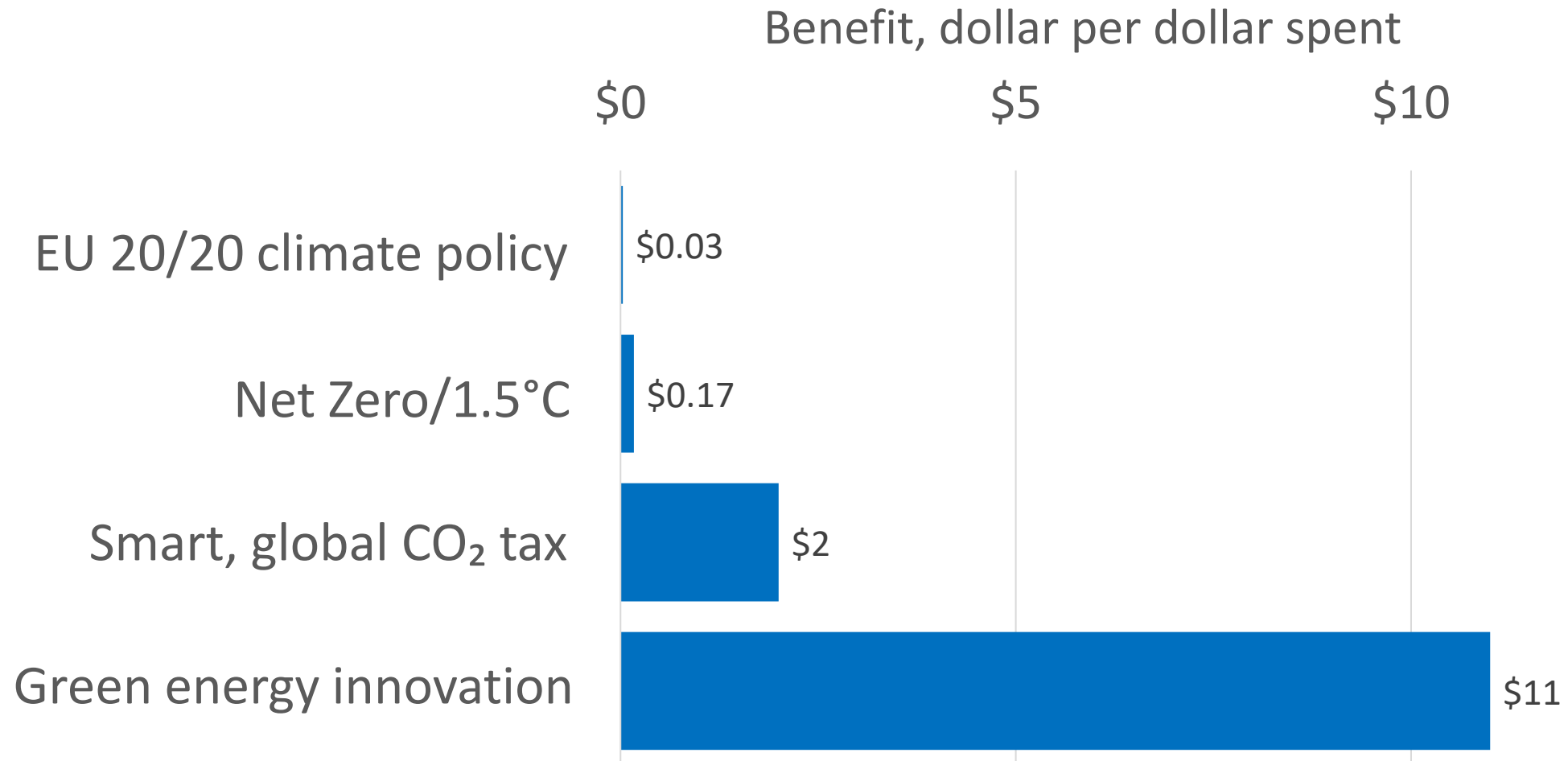
Annual average, undiscounted, 2020-2100, 2023 US\$

Climate Change Economics: Mendelsohn 2023, Tol 2023, Morris et al 2023

So, what should we do?

What is the smart ways to tackle climate?

Climate policies: what works — and what doesn't



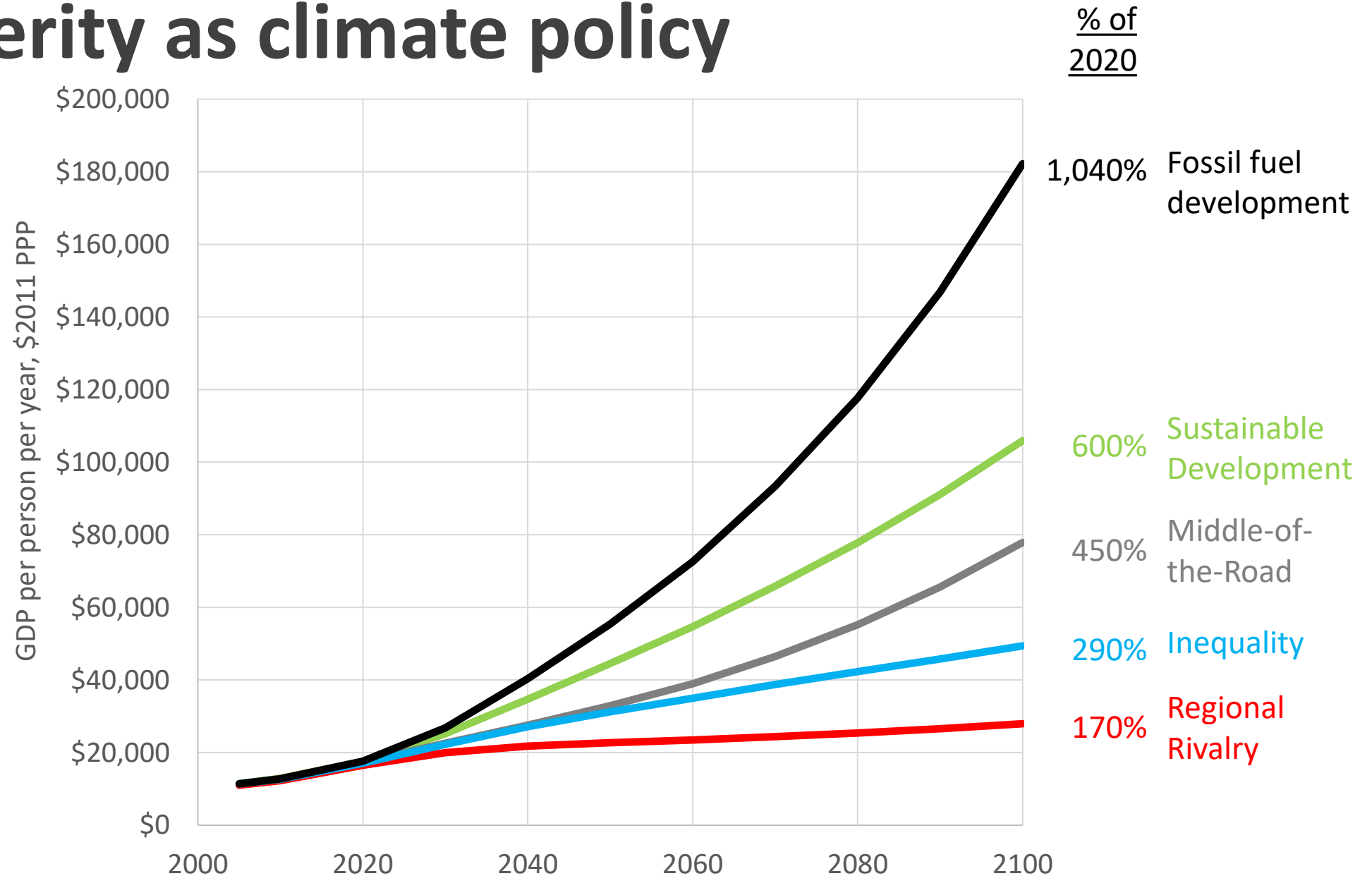
How to do climate policy

Prosperity

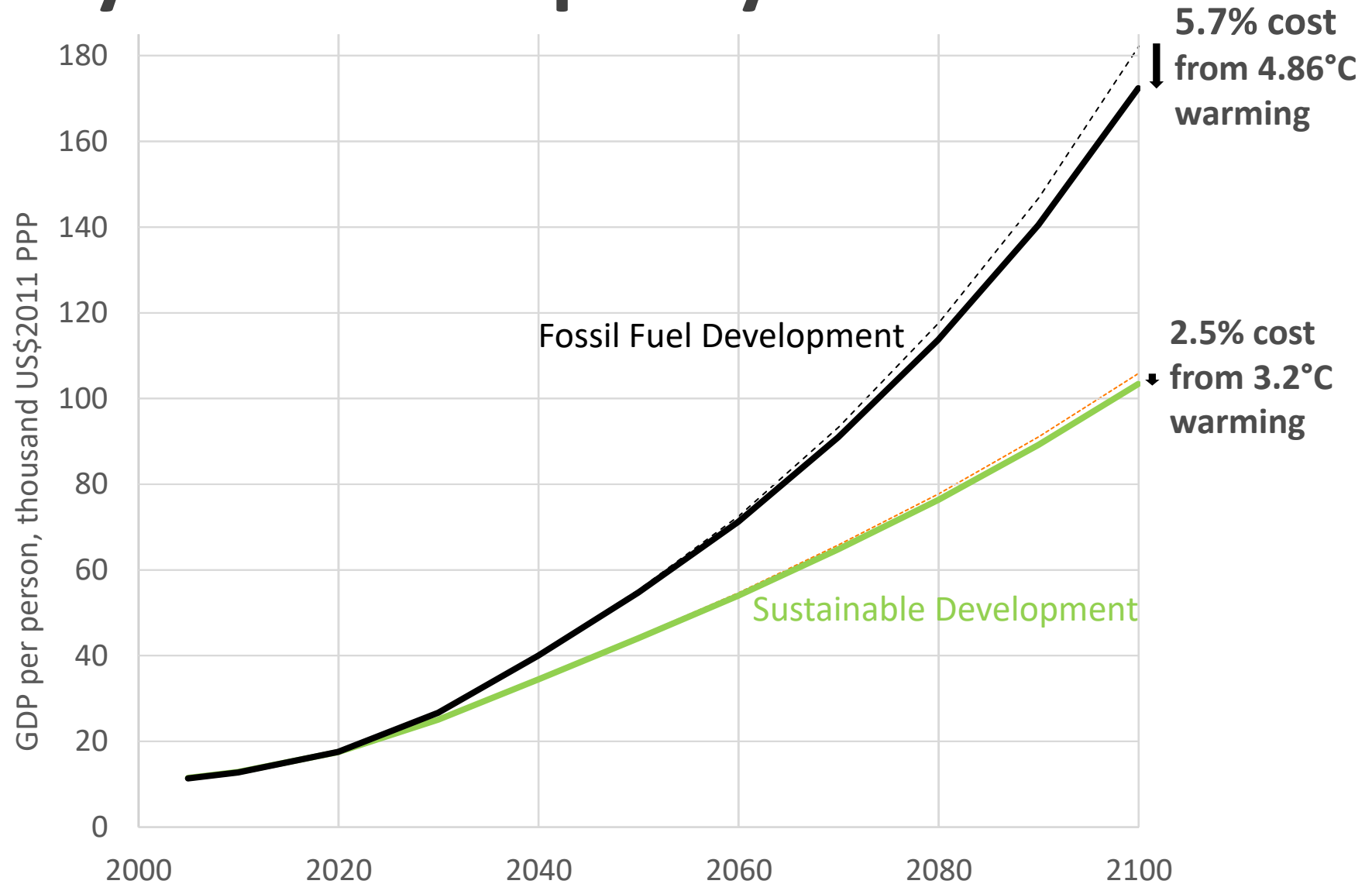
Prosperity as climate policy

- If you are richer, you are less likely to suffer badly from climate
 - **The Shelling conjecture**
- The UN Climate Panel SSPs (Shared Socio-economic Pathways)

Prosperity as climate policy



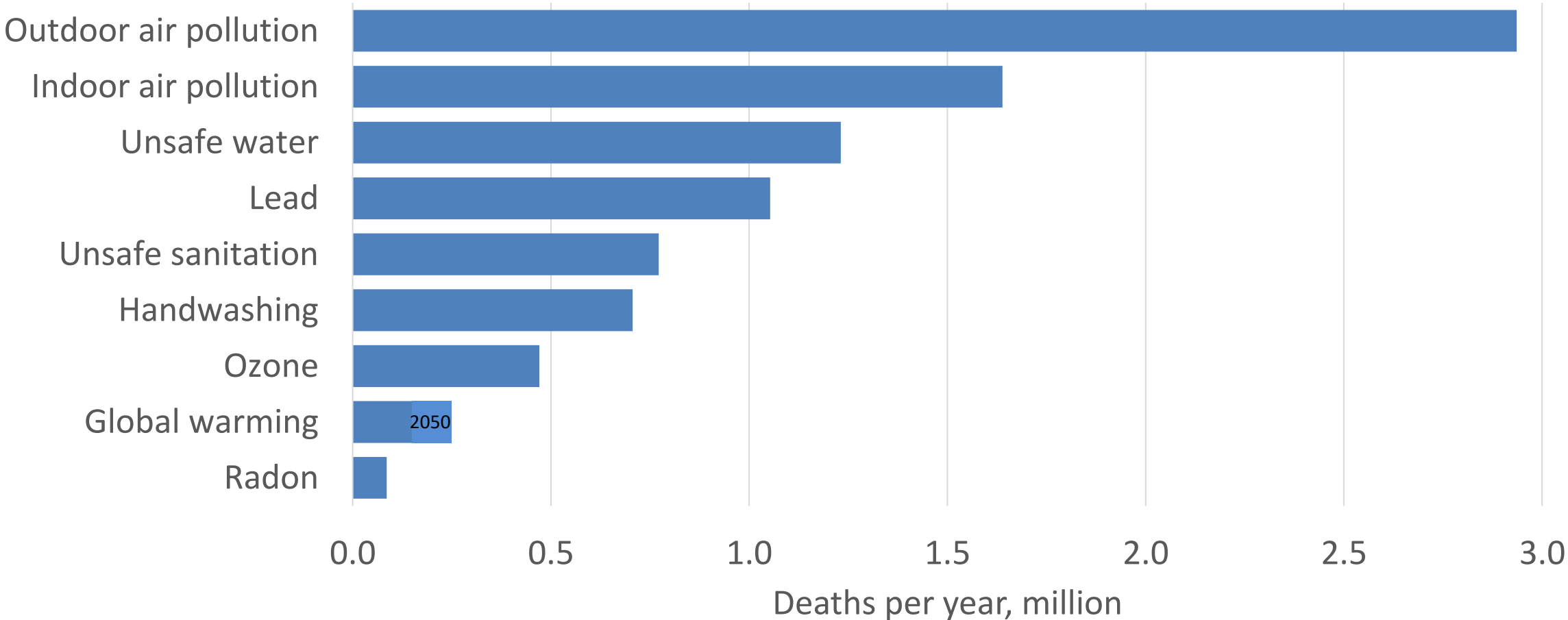
Prosperity as climate policy



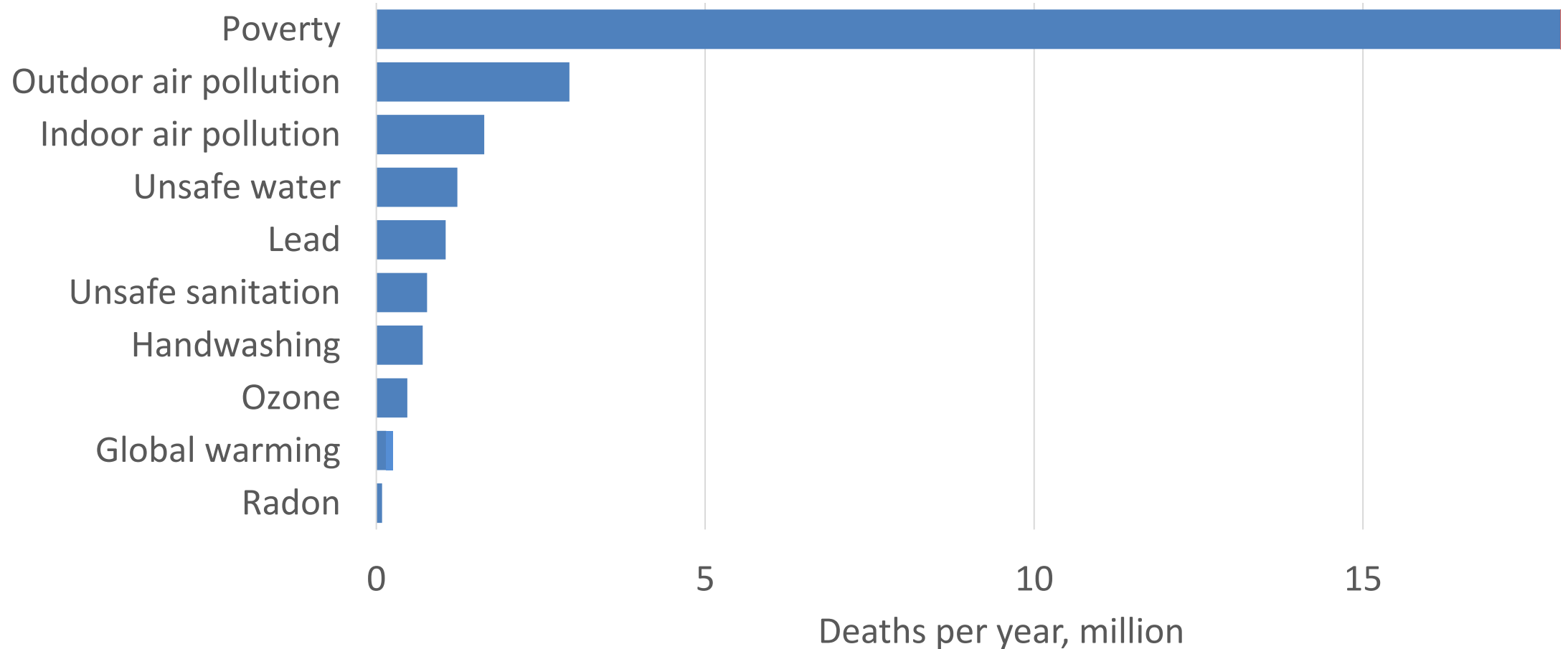
**Many, many other problems
beside global warming**

Poverty, hunger, disease etc.

What is the world's deadliest environmental problem?

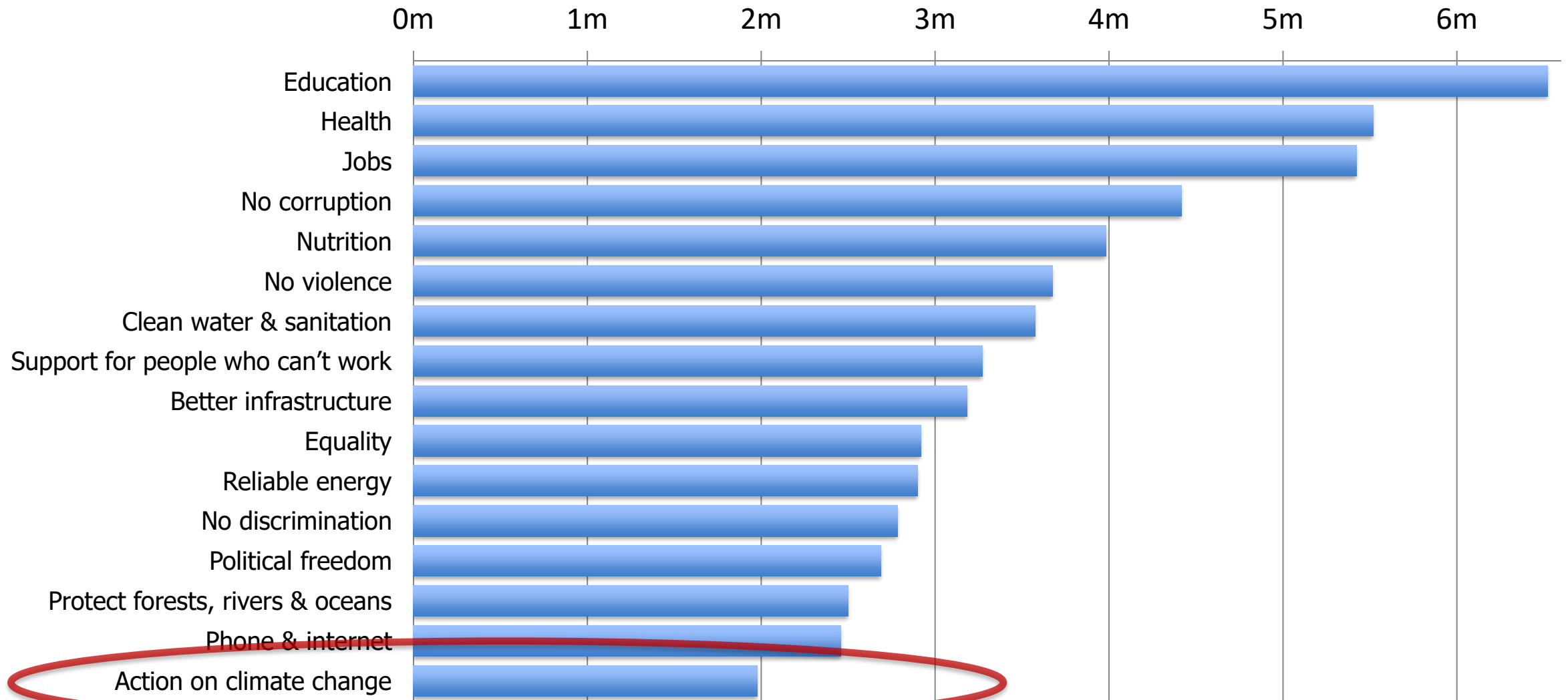


What is the world's deadliest problem?



The World's Most Important Problems?

9.7 million real people from across the world

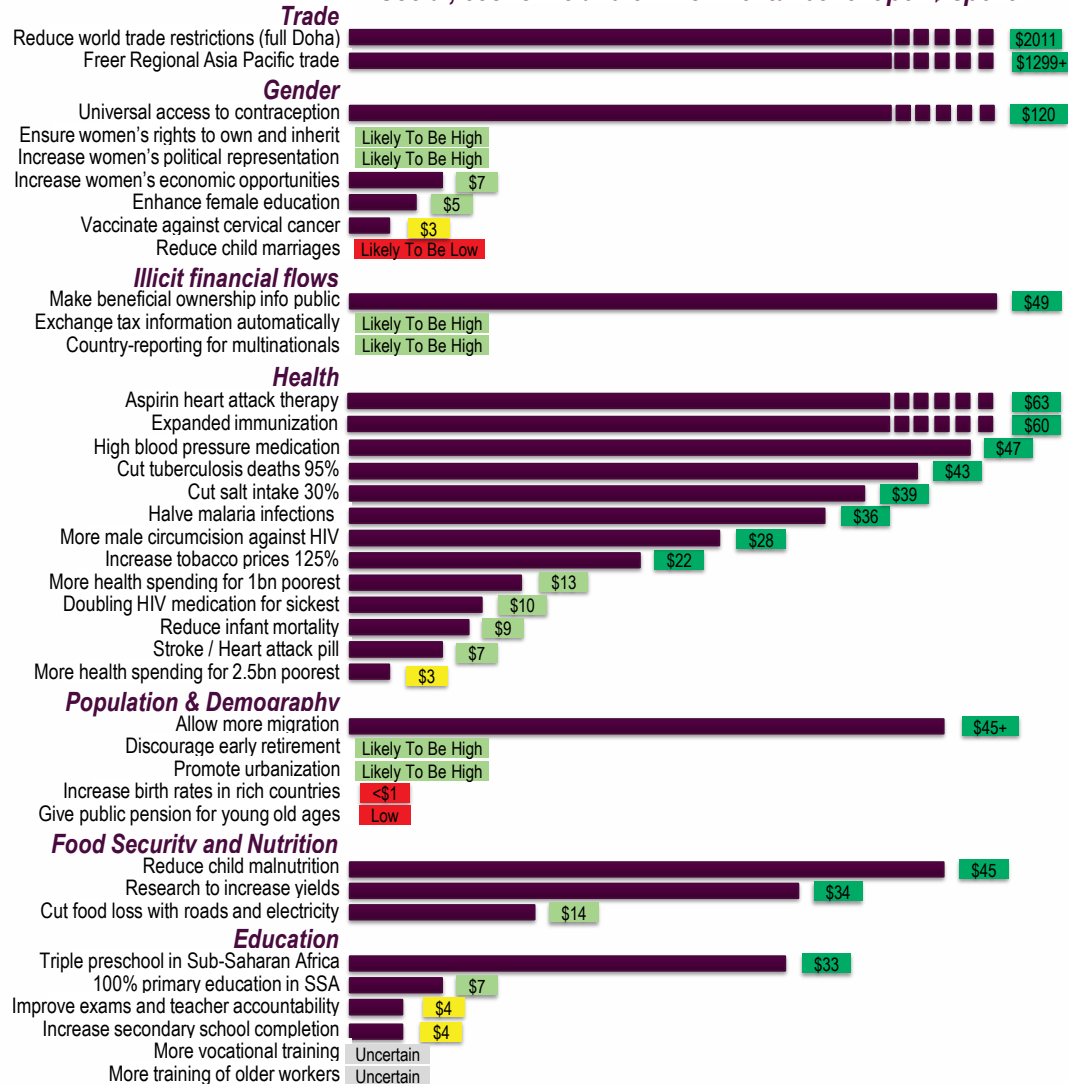


Many other issues

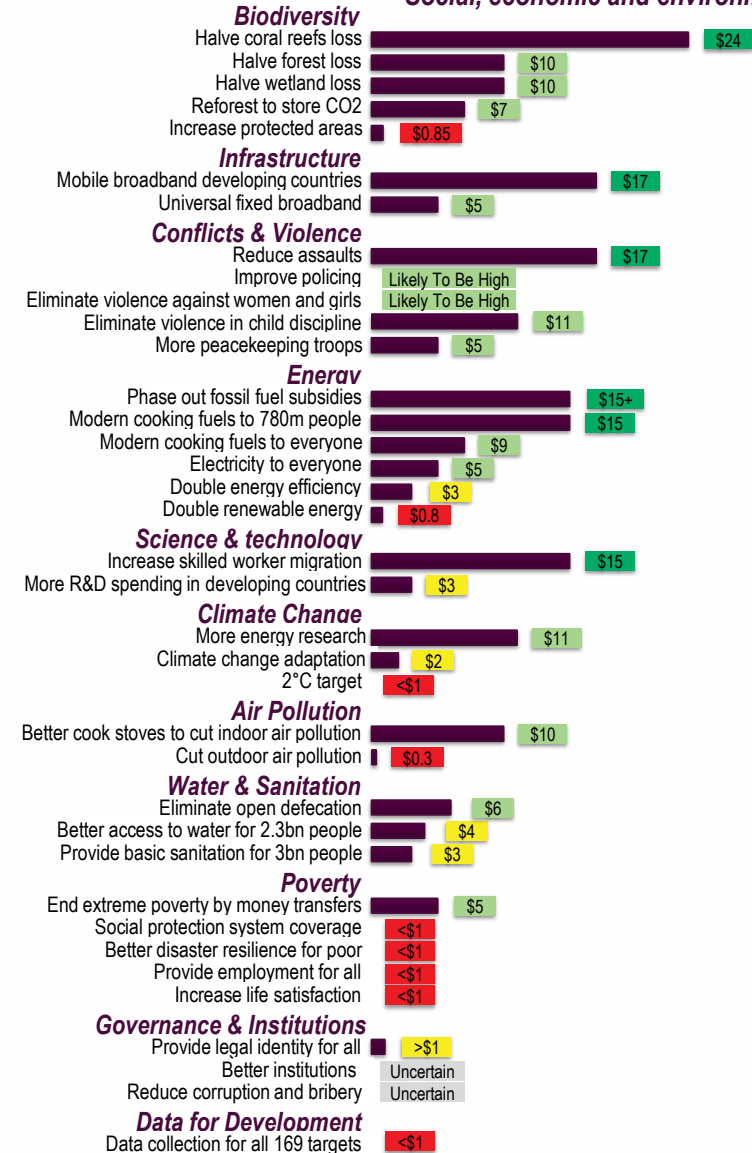
Where we can do more good for less

We have worked with 100s of top economists

Social, economic and environmental benefit per \$ spent



Social, economic and environmental benefit per \$ spent



More good per dollar spent

- We can do so much better per \$1 spent
 - \$87 Maternal and newborn
 - \$46 Tuberculosis
 - \$65 Education
 - And agricultural R&D, land tenure, skilled migration, e-procurement, trade, malaria, chronic disease, nutrition, childhood immunization
 - Total cost \$35bn/year
 - Total benefit:
 - Saves 4.2 million lives per year
 - Makes poorer world \$1.1 trillion richer per year



