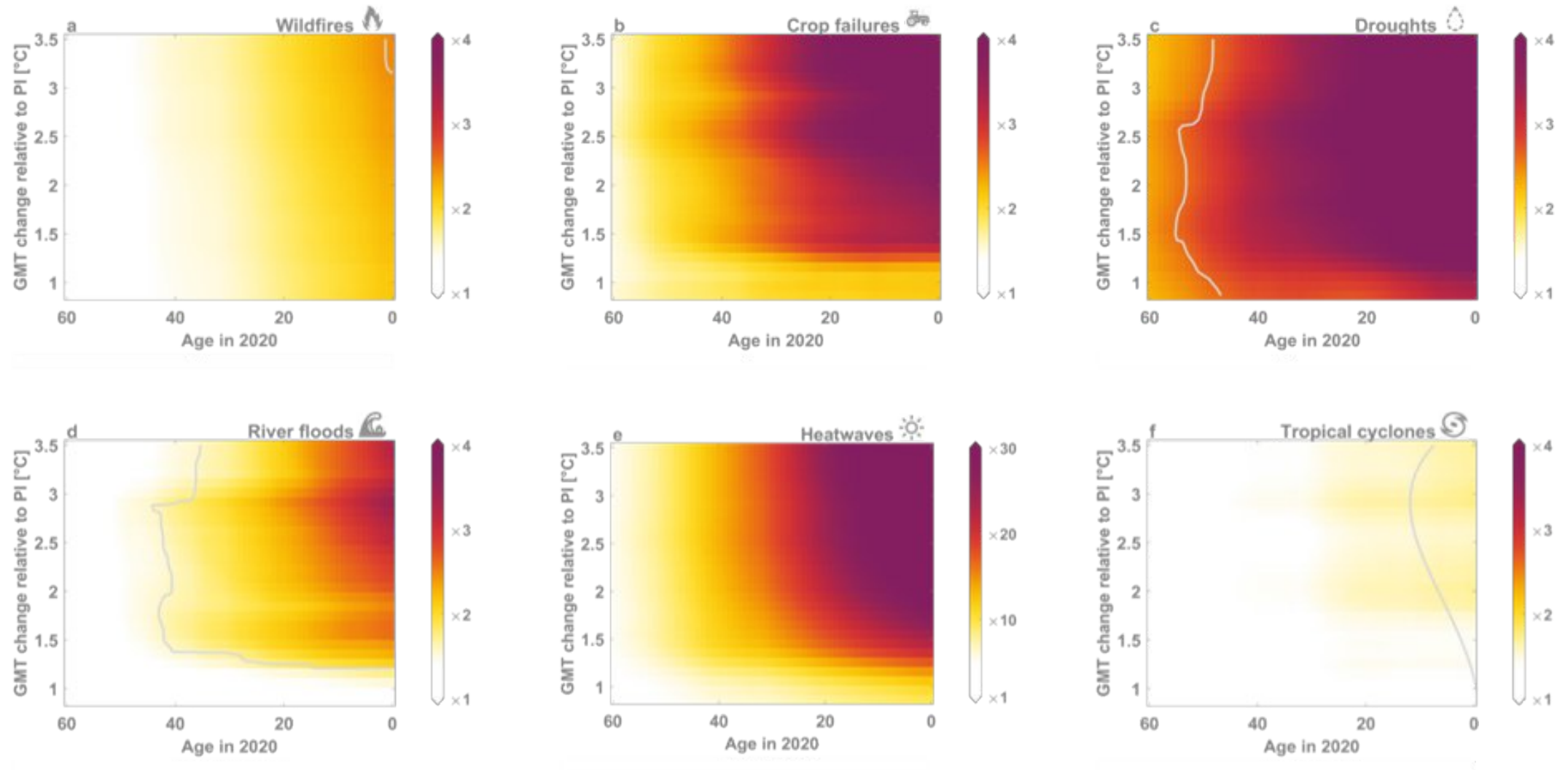




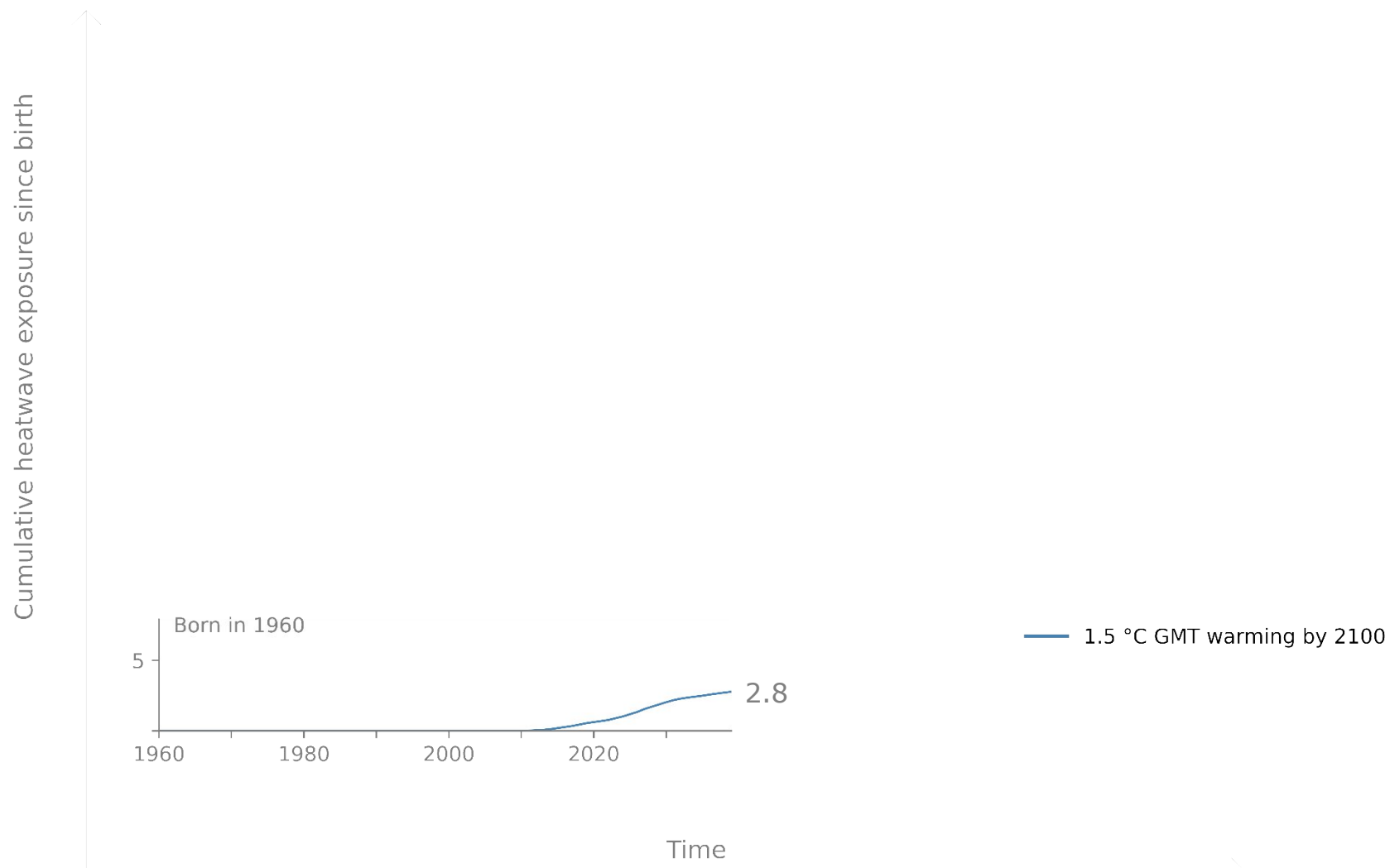
Will you live an unprecedented life?

Wim Thiery, Stefan Lange, Joeri Rogelj, Carl-Friedrich Schleussner, Lukas Gudmundsson, Sonia Seneviratne, Erich Fischer, Kerry Emanuel, David Bresch, Inne Vanderkelen, Luke Grant, Nico Bauer, and many more. (Photo: Alexander Radtke)¹

The youth is screwed, older generations won't face the risk

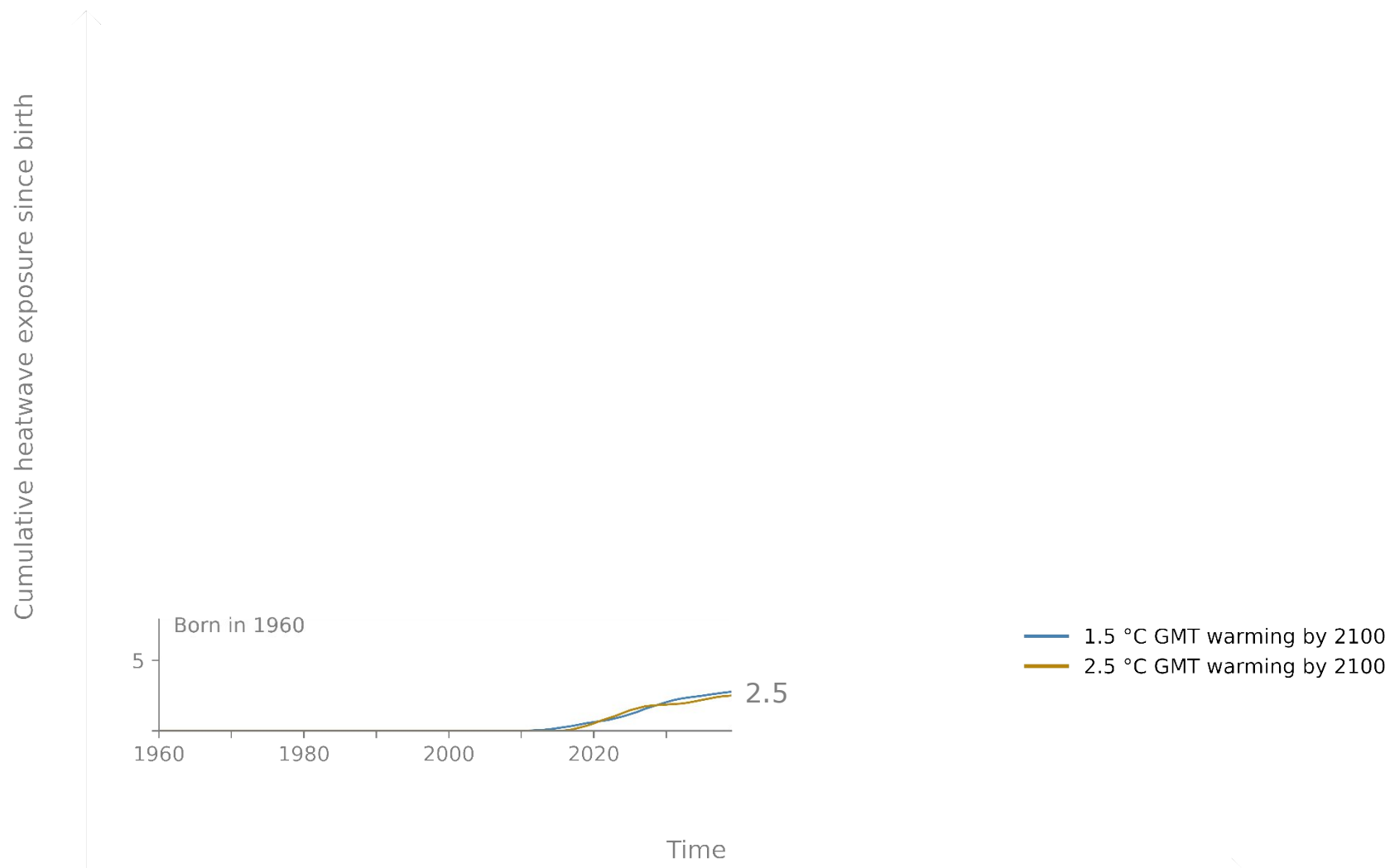


Will you live an unprecedented life?



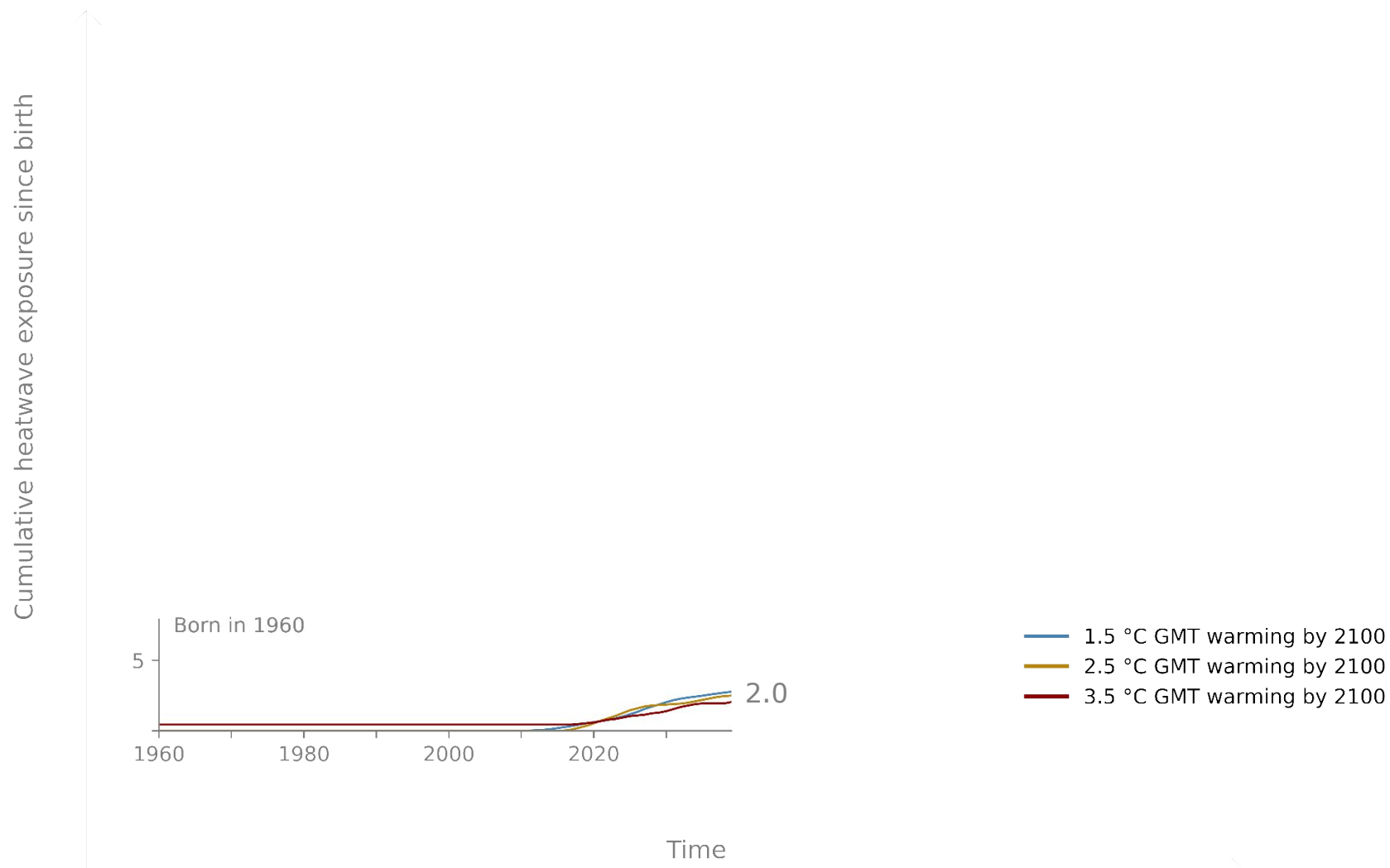
(Grant et al., in review)

Will you live an unprecedented life?



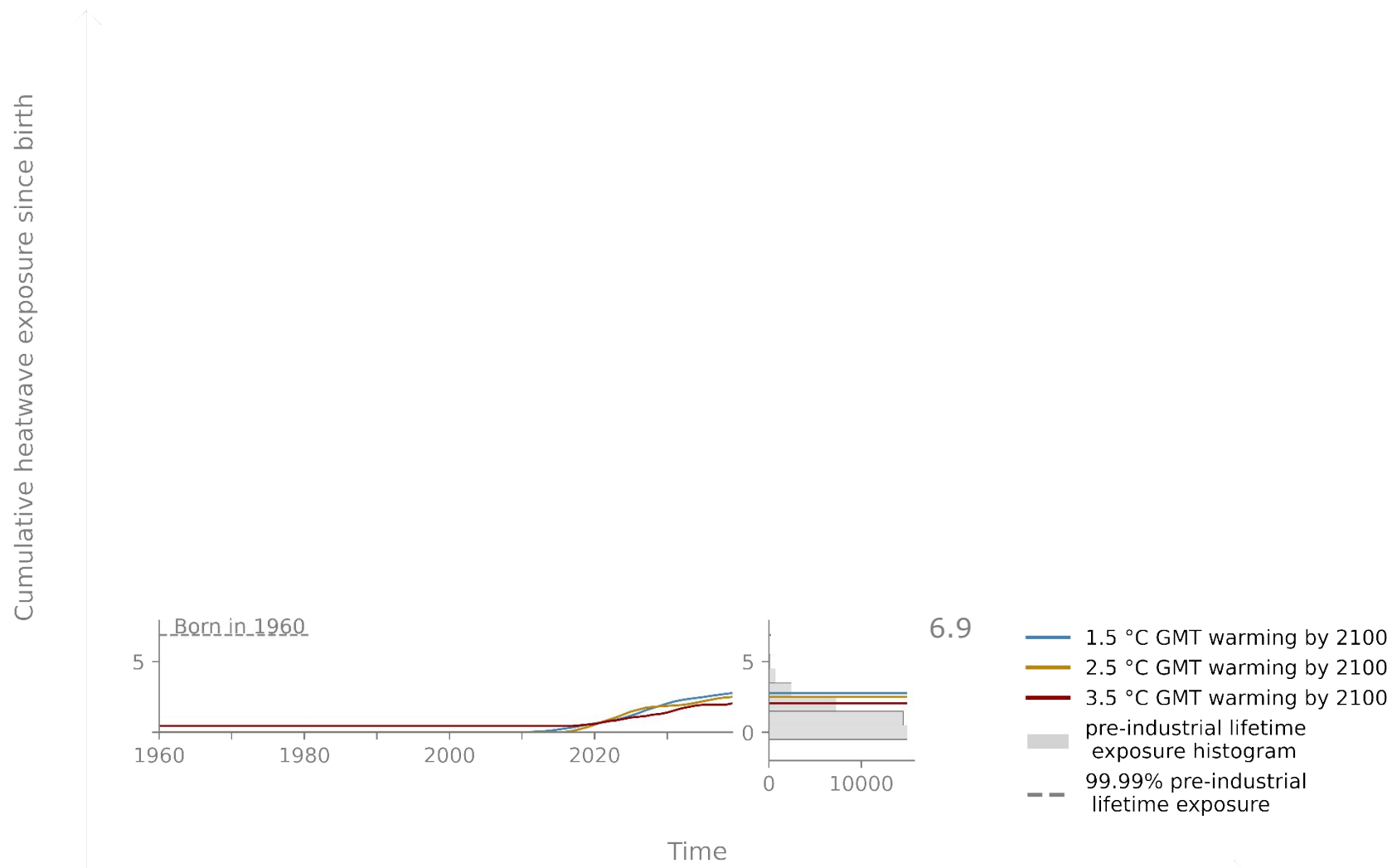
(Grant et al., in review)

Will you live an unprecedented life?



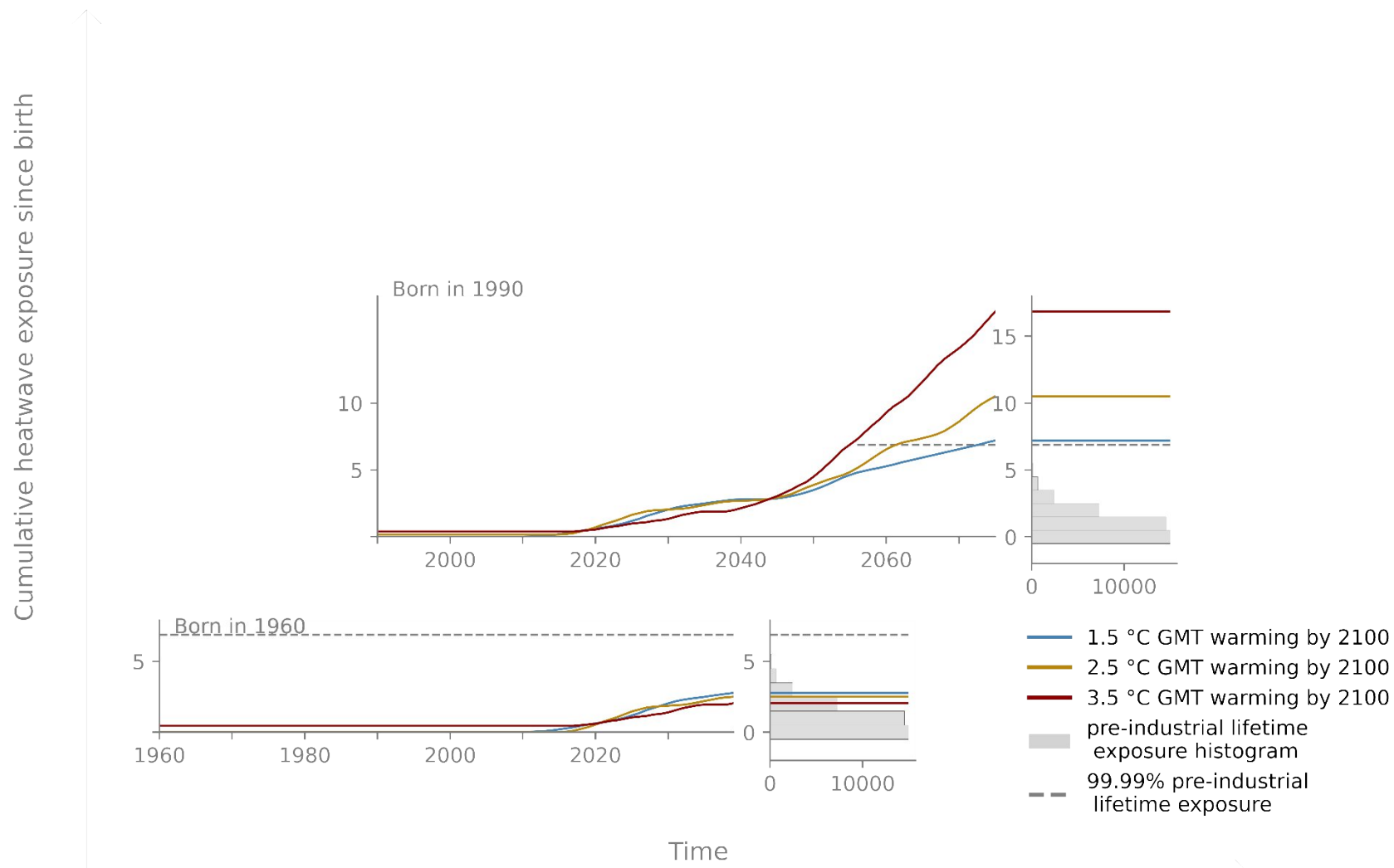
(Grant et al., in review)

Will you live an unprecedented life?



(Grant et al., in review)

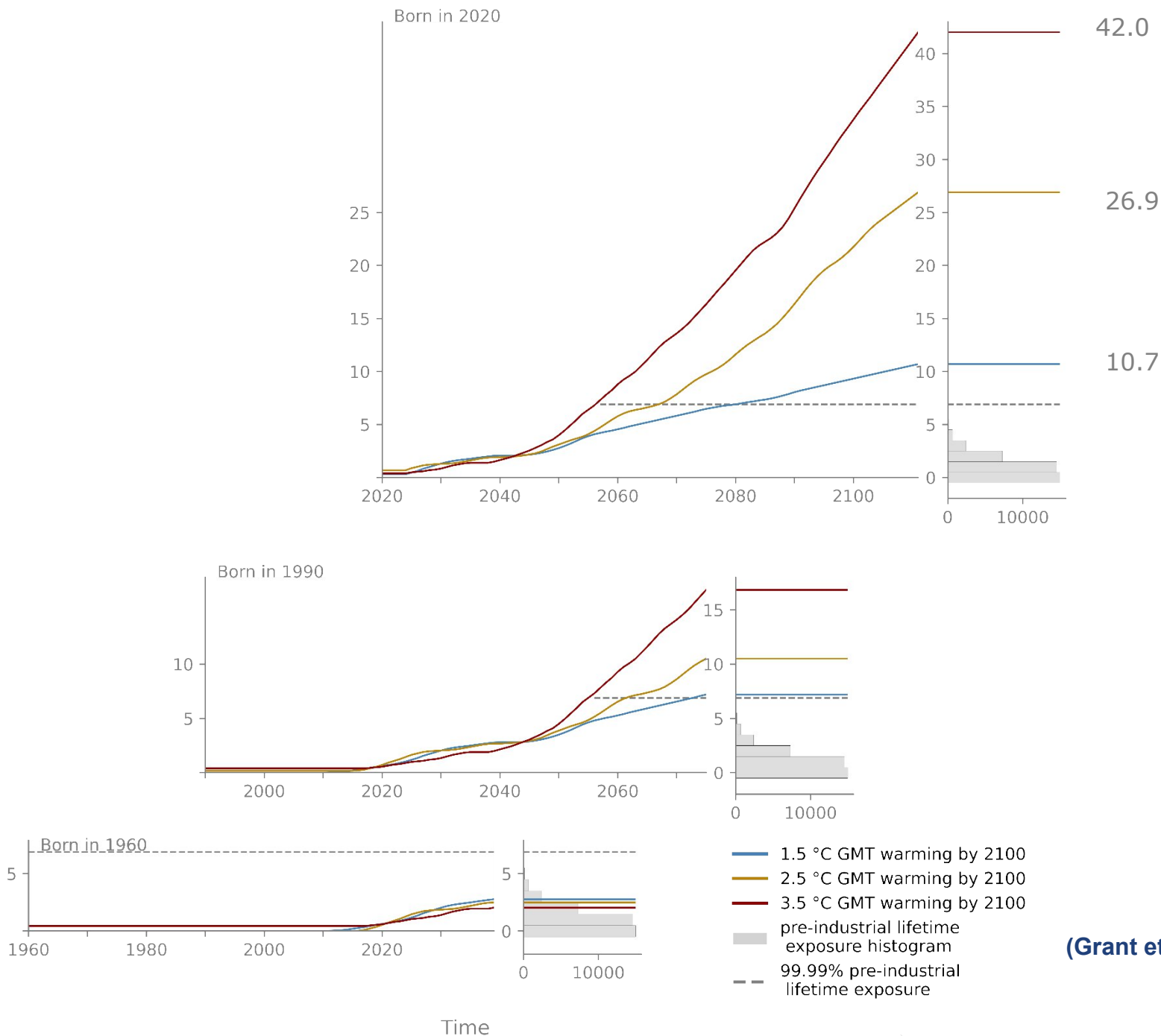
Will you live an unprecedented life?



(Grant et al., in review)

Will you live an unprecedented life?

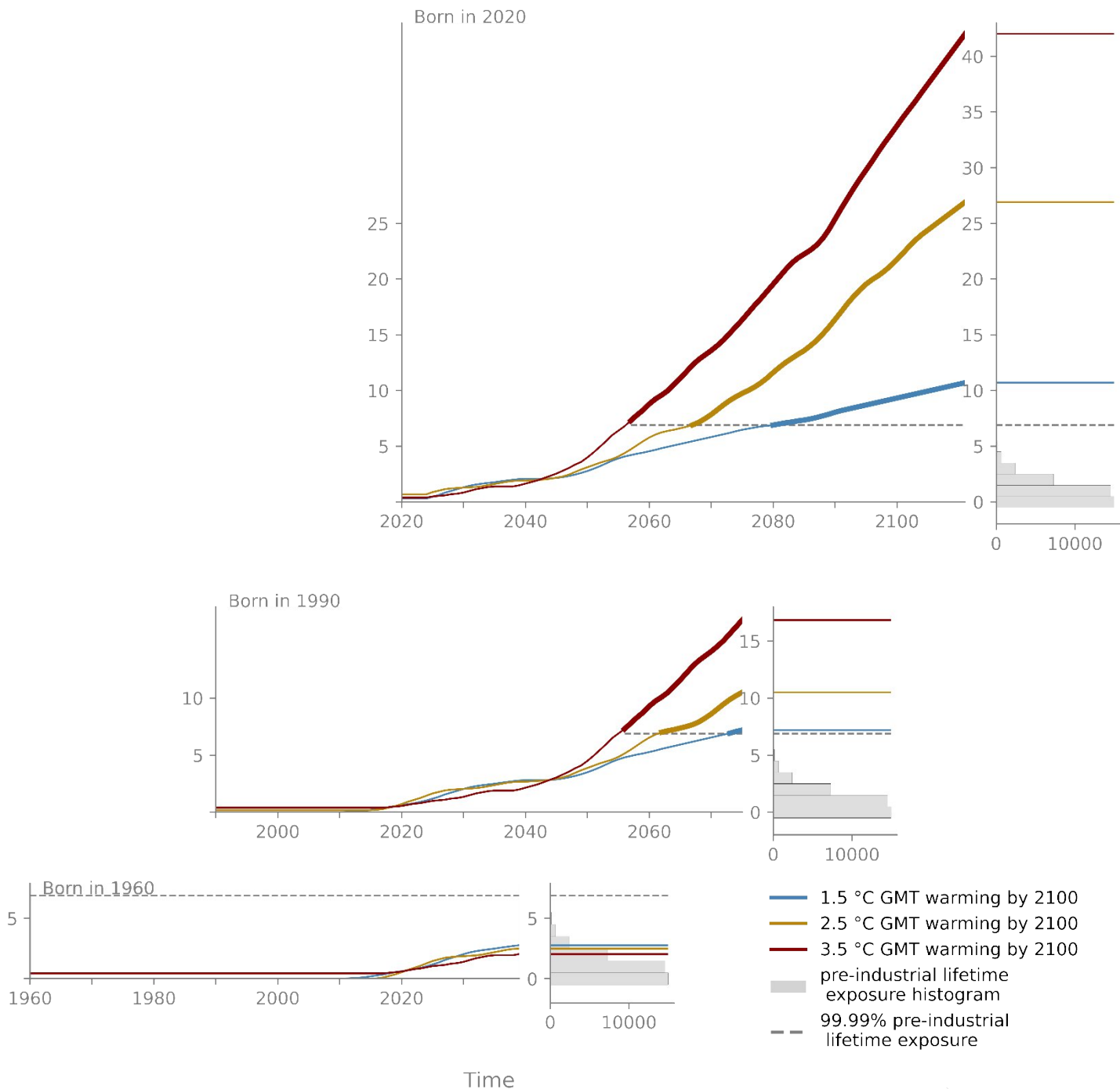
Cumulative heatwave exposure since birth



(Grant et al., in review)

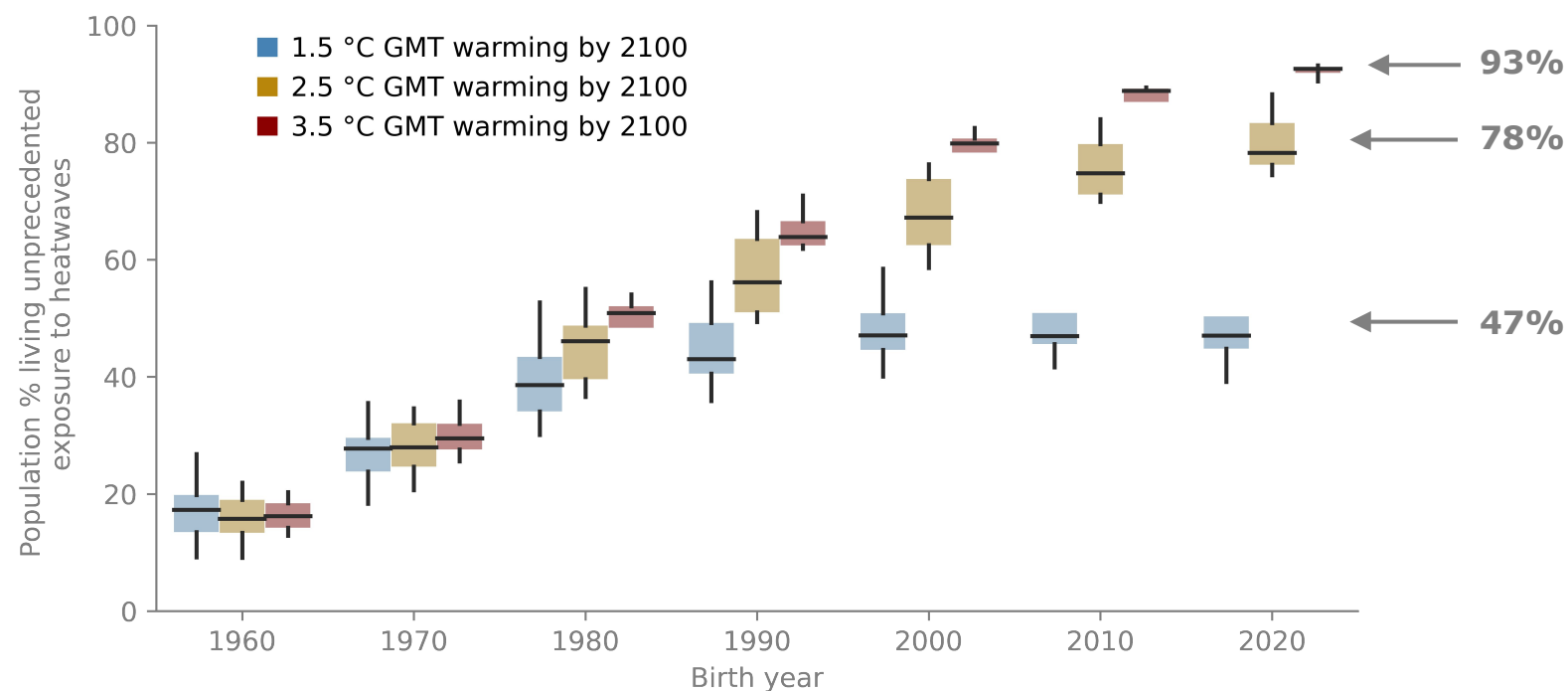
Will you live an unprecedented life?

Cumulative heatwave exposure since birth



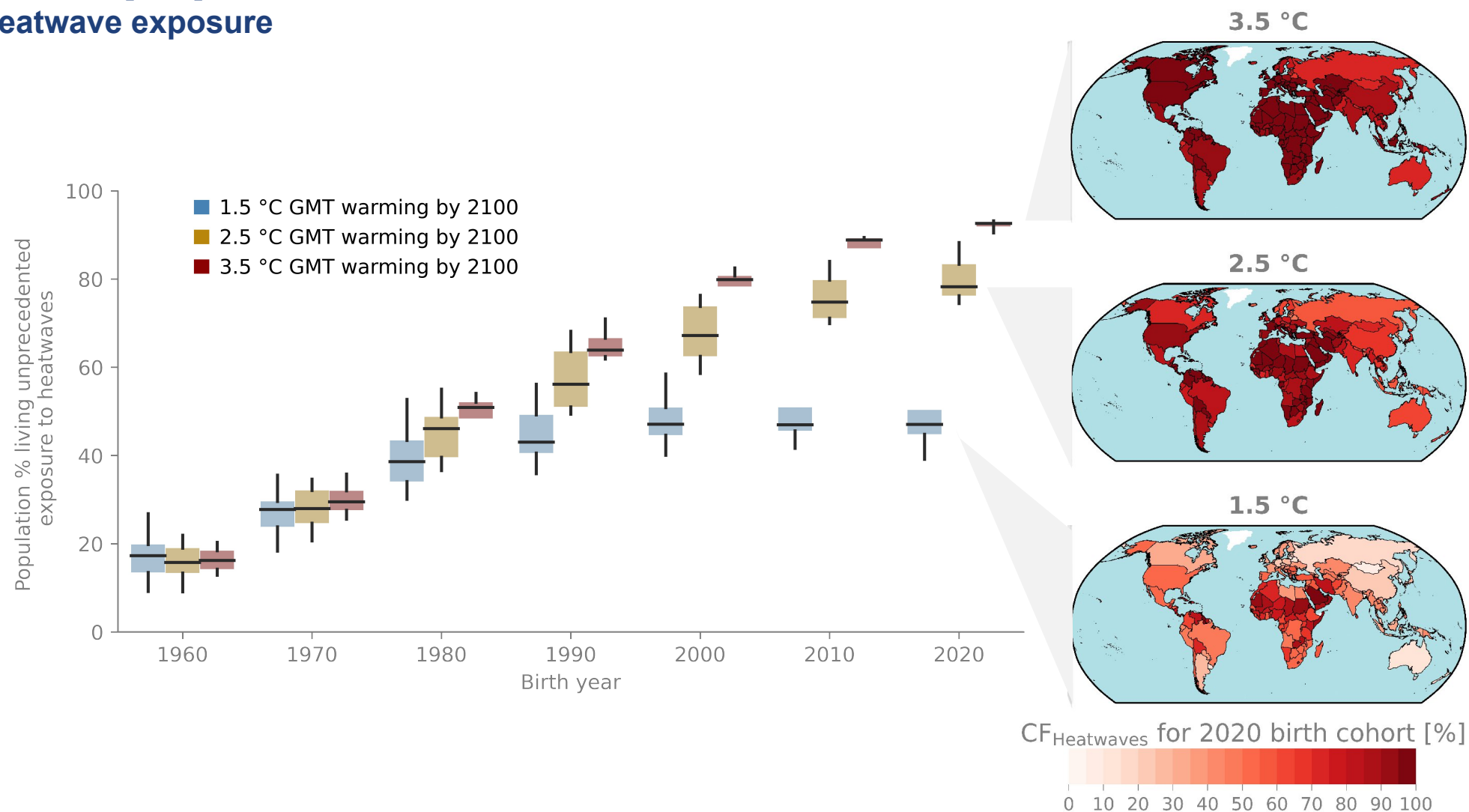
(Grant et al., in review)

Fraction of global population facing unprecedented heatwave exposure

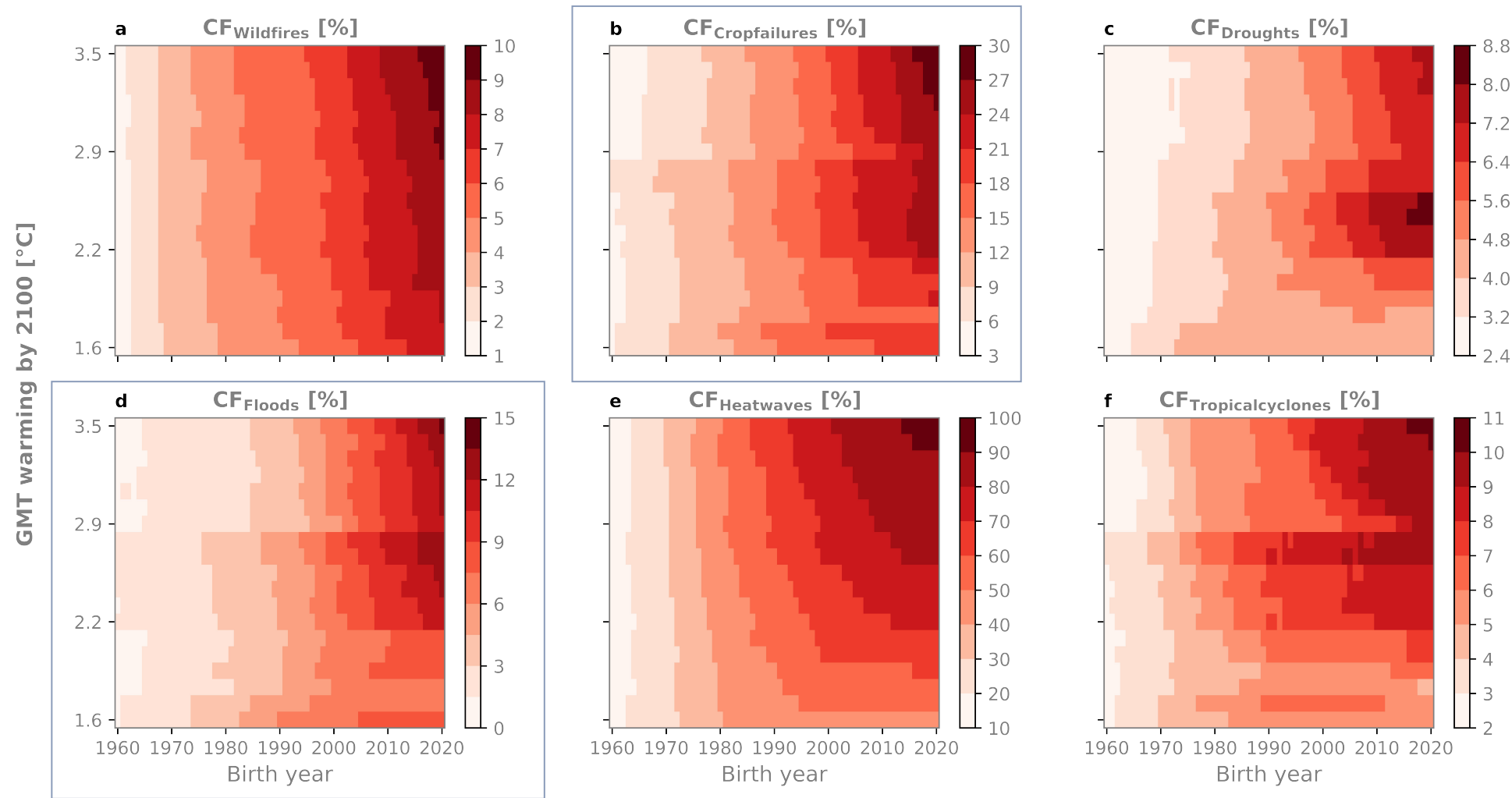


(Grant et al., in review)

Fraction of global population facing unprecedented heatwave exposure

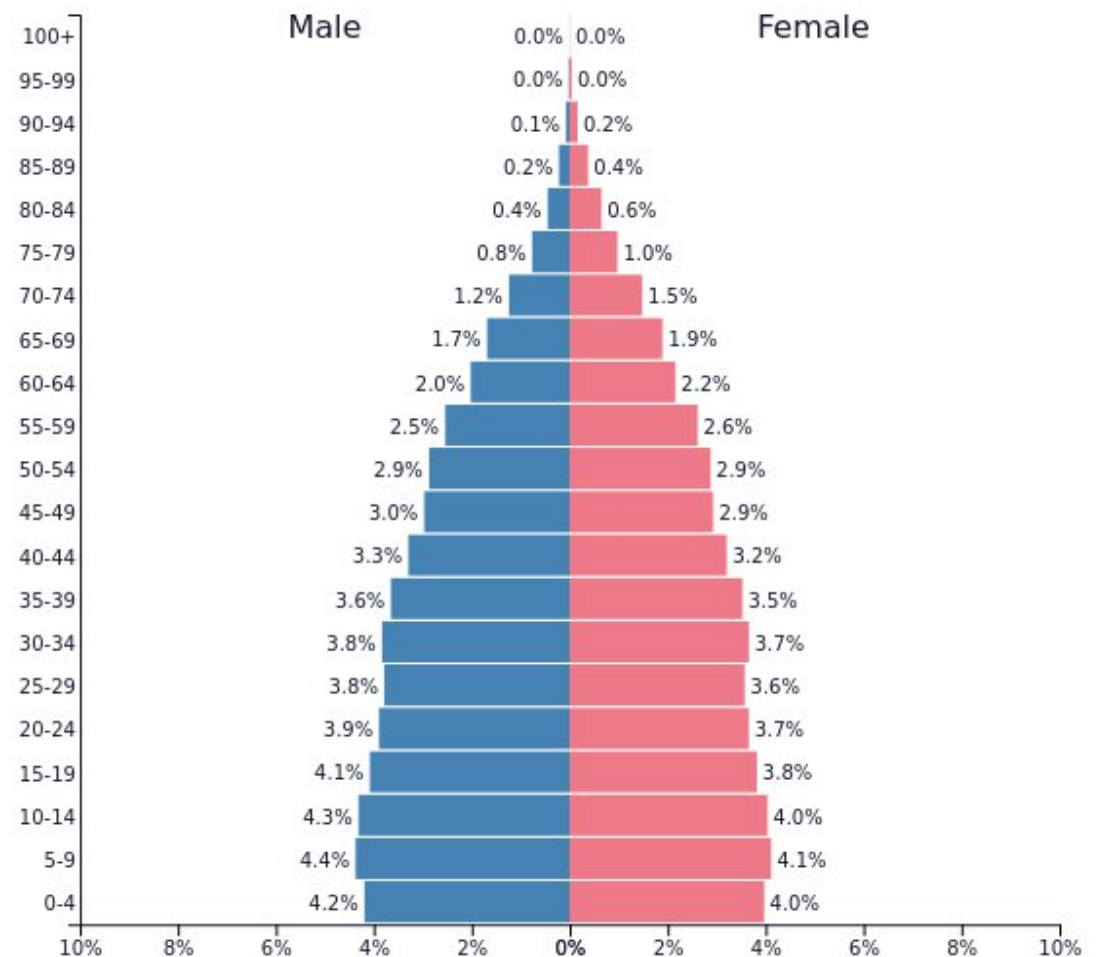


ALL EXTREME EVENTS



You know this one from high school

the age pyramid



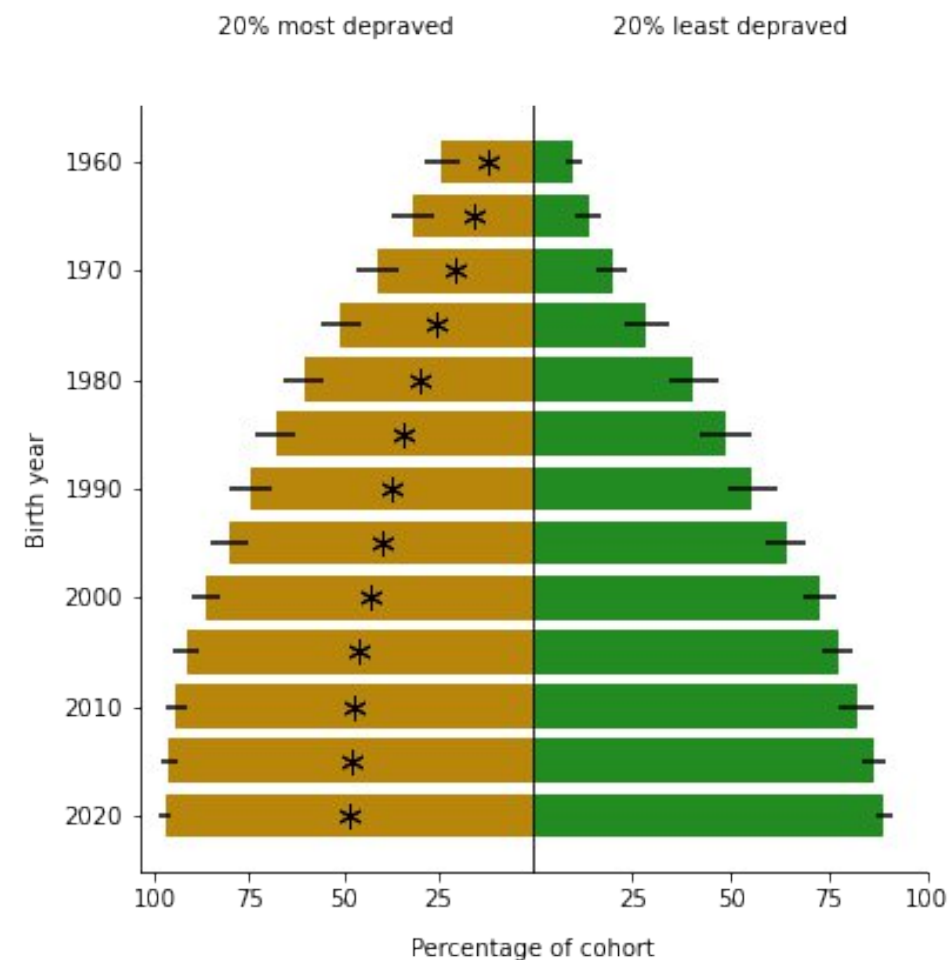
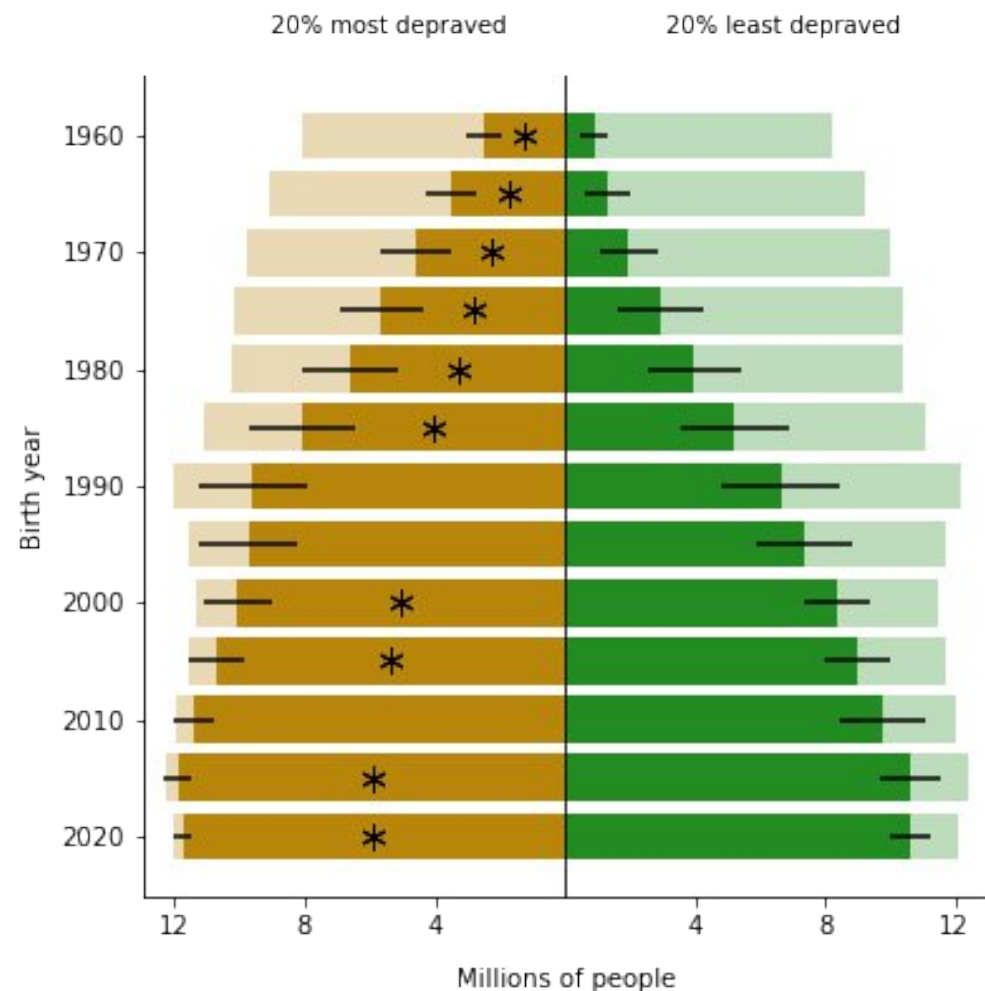
PopulationPyramid.net

WORLD - 2023
Population: **8,045,311,447**

(<https://www.populationpyramid.net/>)

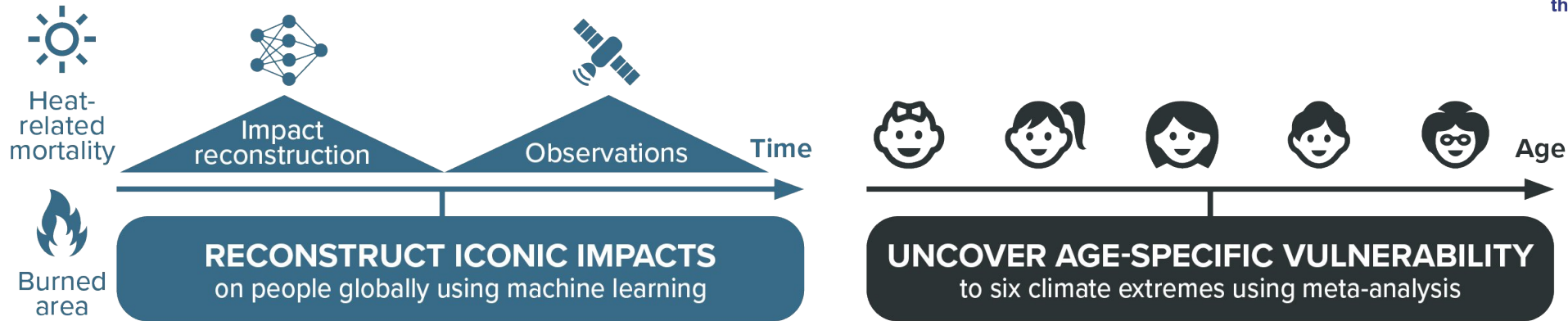
You normally don't know this one from high school

the unprecedented life pyramid

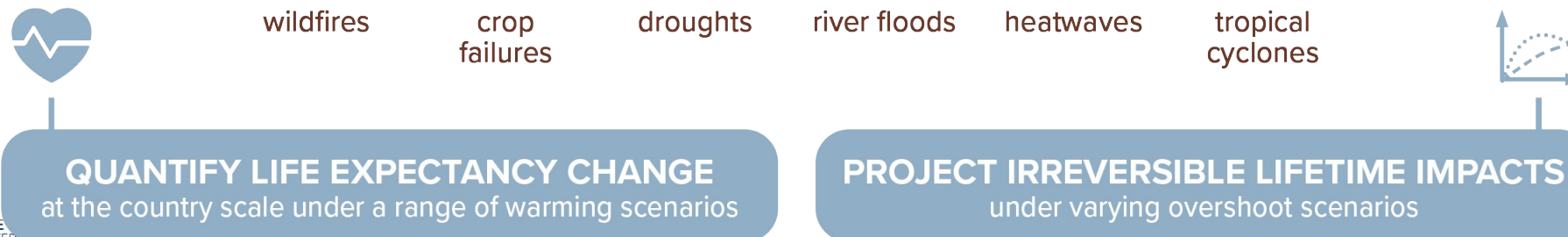


LACRIMA

LAGrangian Climate Risk and Impact Attribution

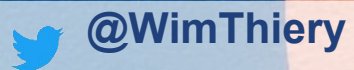


HEurope SPARCCLE vacancy:
<https://jobs.vub.be/job-invite/3232/>



HOW DARE U SCARE KIDS

Thanks! Questions?







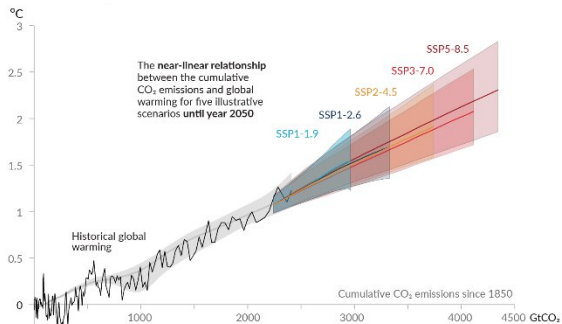
(source: Jan-Rune Smenes Reite; Pexels.com)

Science & litigation: (4) expert witness



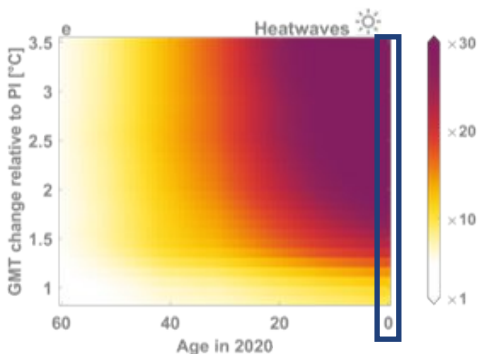
emissions

$$0.4633 \text{ Gt CO}_2eq$$



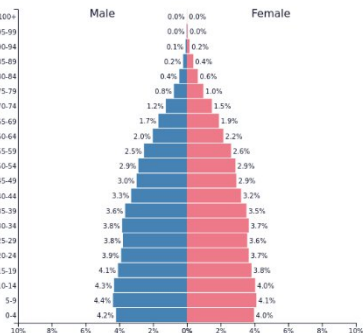
TCRE

$$0.5 \times 10^{-3} \frac{^{\circ}\text{C}}{\text{Gt CO}_2eq}$$



exposure slope

$$10.4 \frac{\text{heatwaves}}{^{\circ}\text{C}}$$



cohort size

$$131\,702\,400 \text{ children}$$

On average, 314 370 Children born in 2020 will experience one extra heatwave

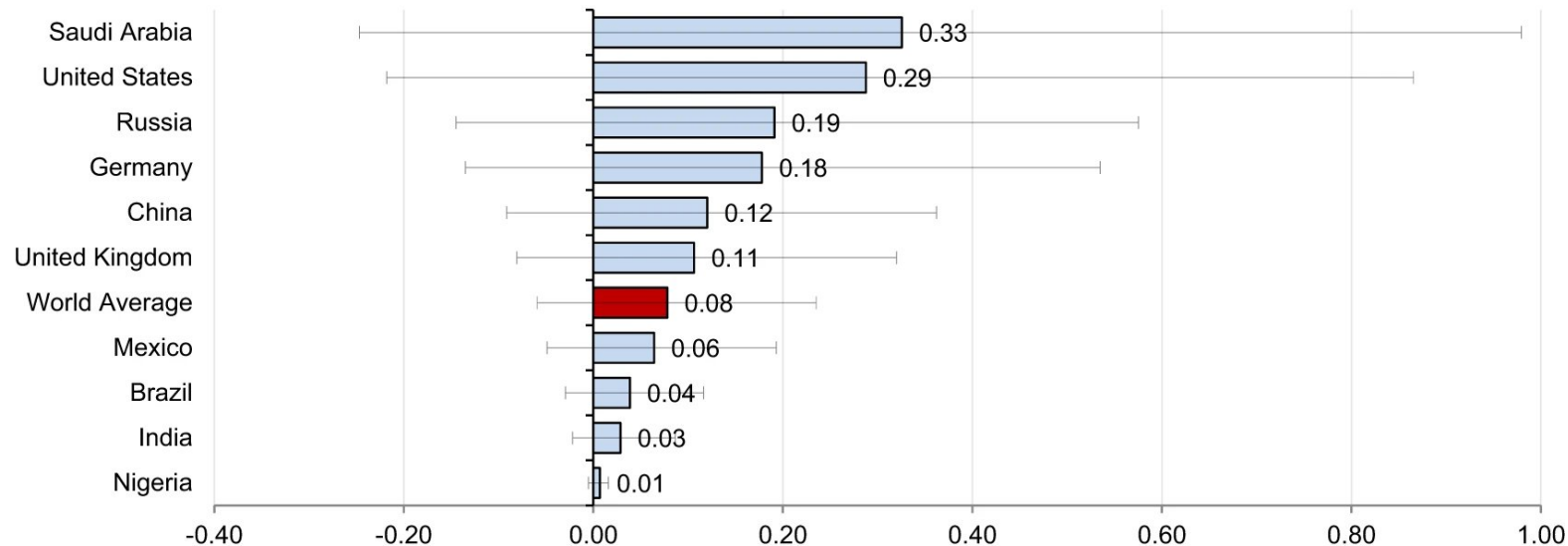
The mortality cost of Carbon

“4,434 metric tons of carbon dioxide in 2020 [...] causes one excess death globally in expectation between 2020-2100”

A

Excess Deaths Per Average Citizen's Lifetime Emissions if All Added in 2020

Baseline Emissions Scenario:



Best estimate:

0,4633 GT CO₂ eq (Combined) Ⓢ 104 488 people dying prematurely somewhere in the world between 2020-2100
0,365 GT CO₂ eq (Yggdrasil) Ⓢ 82 318 people dying prematurely somewhere in the world between 2020-2100
0,087 GT CO₂ eq (Breidablikk) Ⓢ 19 621 people dying prematurely somewhere in the world between 2020-2100
0,0113 GT CO₂ eq (Tyrving) Ⓢ 2 548 people dying prematurely somewhere in the world between 2020-2100



Energy | Environment | Exploration & Production | Gas | Fuel Oil

Three Norwegian oil and gas field permits invalidated on environmental grounds

By Nerijus Adomaitis and Gwladys Fouche

January 18, 2024 7:44 PM GMT+1 · Updated 3 months ago



A general view of the Equinor's Johan Sverdrup oilfield platforms in the North Sea, Norway December 3, 2019. REUTERS/Ints Kalnins/File Photo [Purchase Licensing Rights](#)