

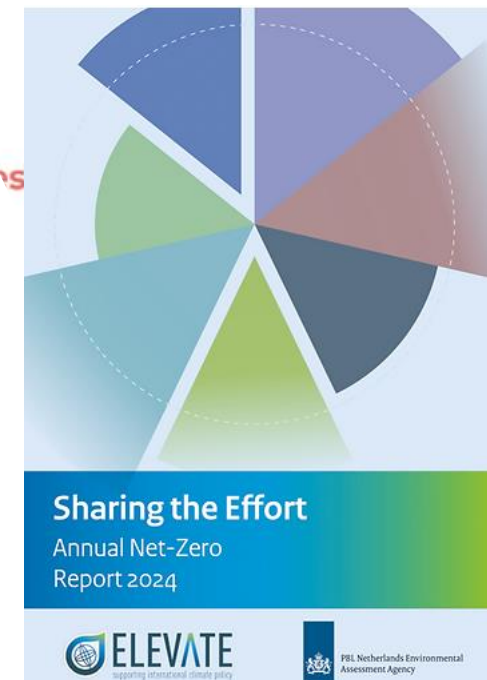
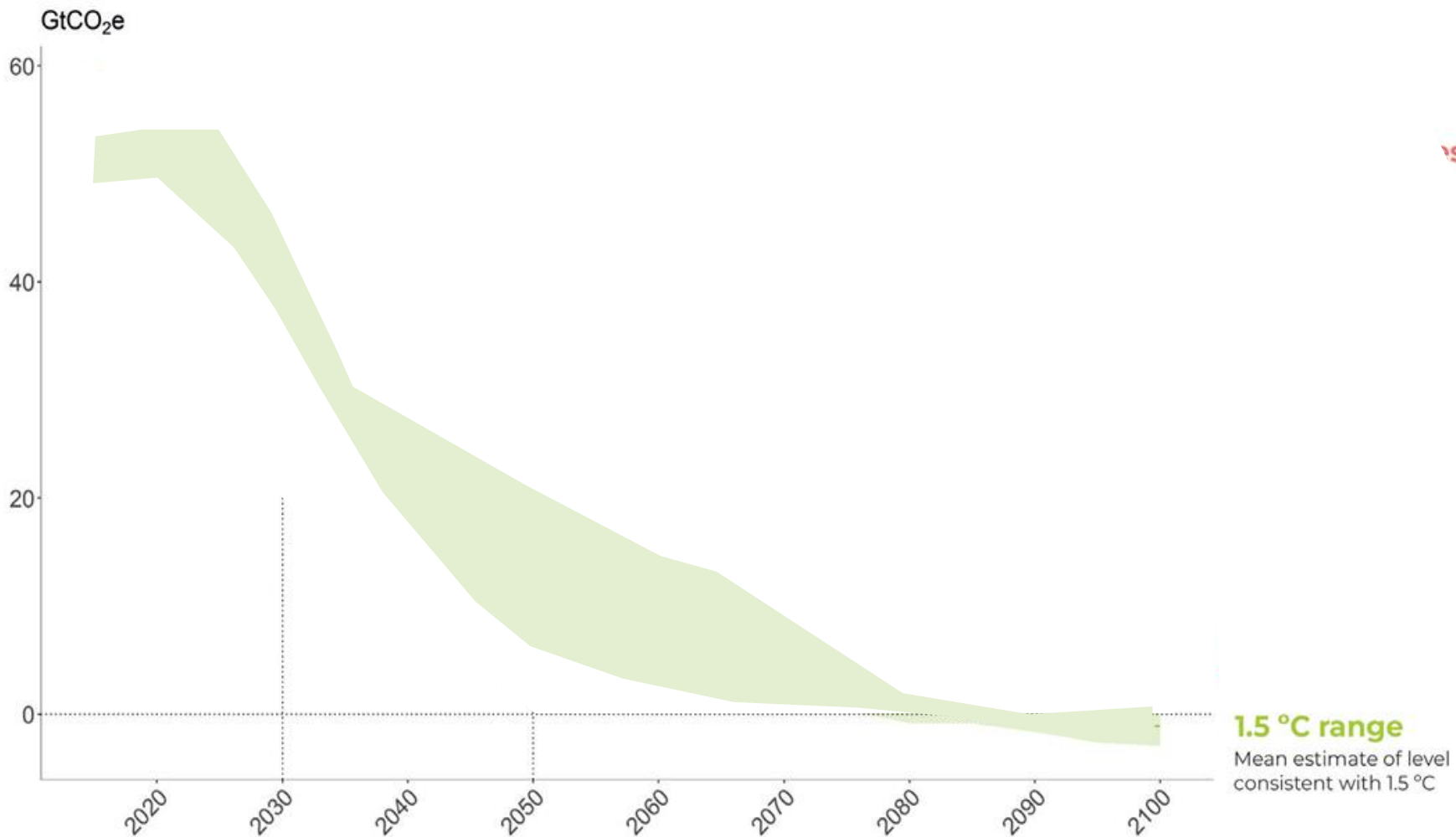
ELEVATE - ENABLING AND LEVERAGING CLIMATE ACTION TOWARDS NET ZERO EMISSIONS

NDCs and long-term strategies (LTS) pathways and the road towards closing the emissions gap

ELEVATE

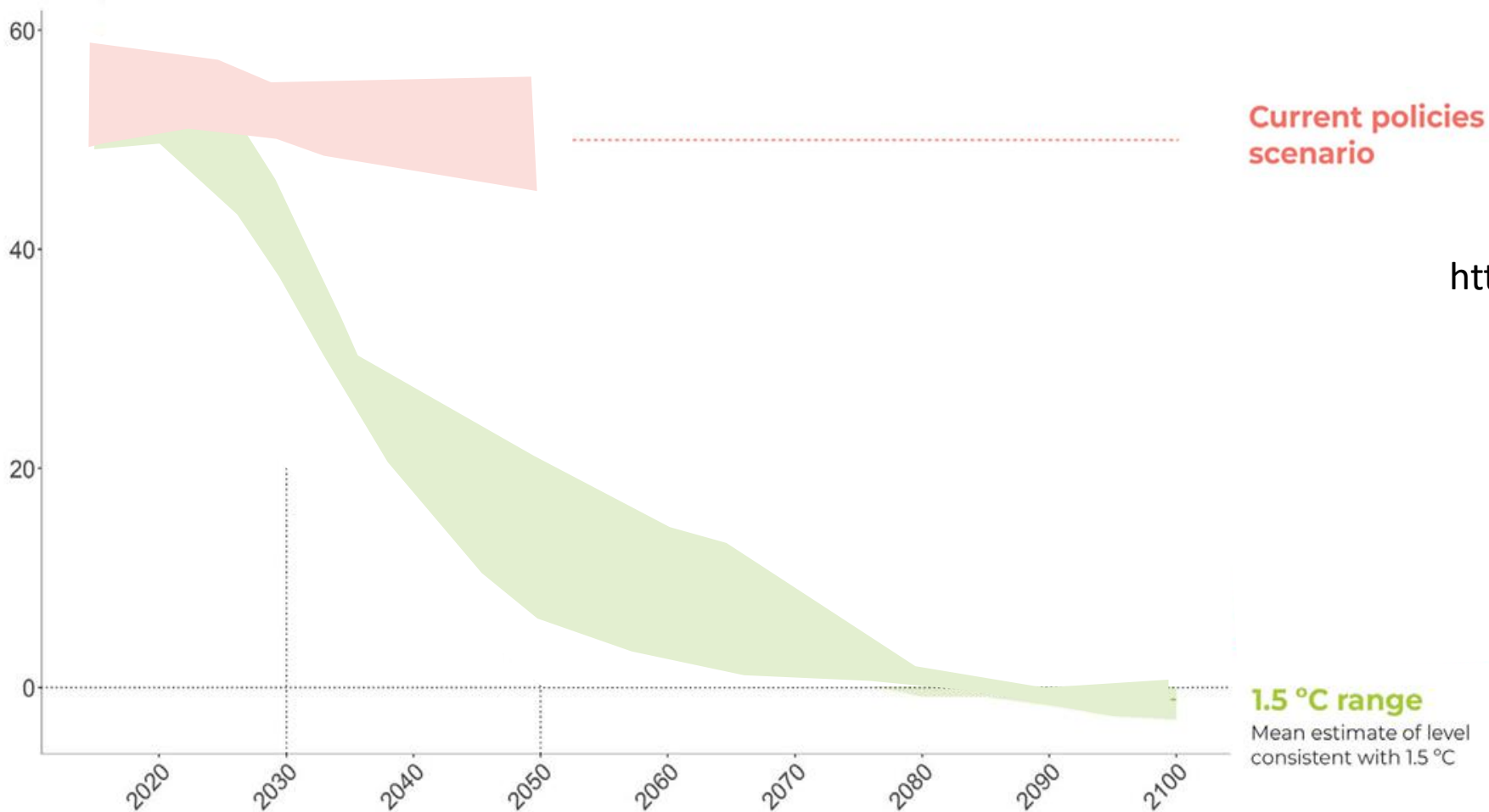


Total GHG Emissions



Total GHG Emissions

GtCO₂e



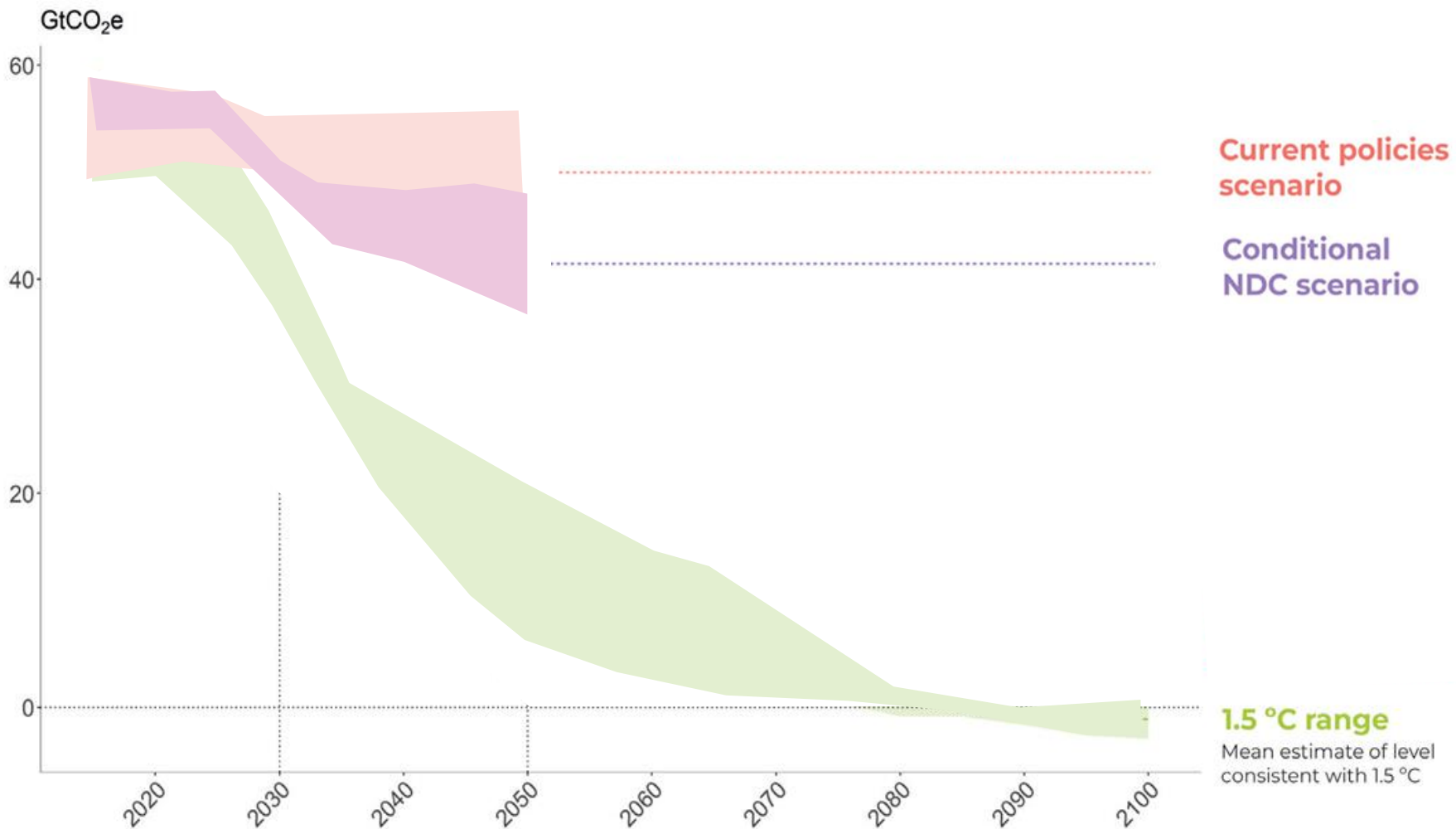
**Current policies
scenario**



<https://climatepolicydatabase.org/>

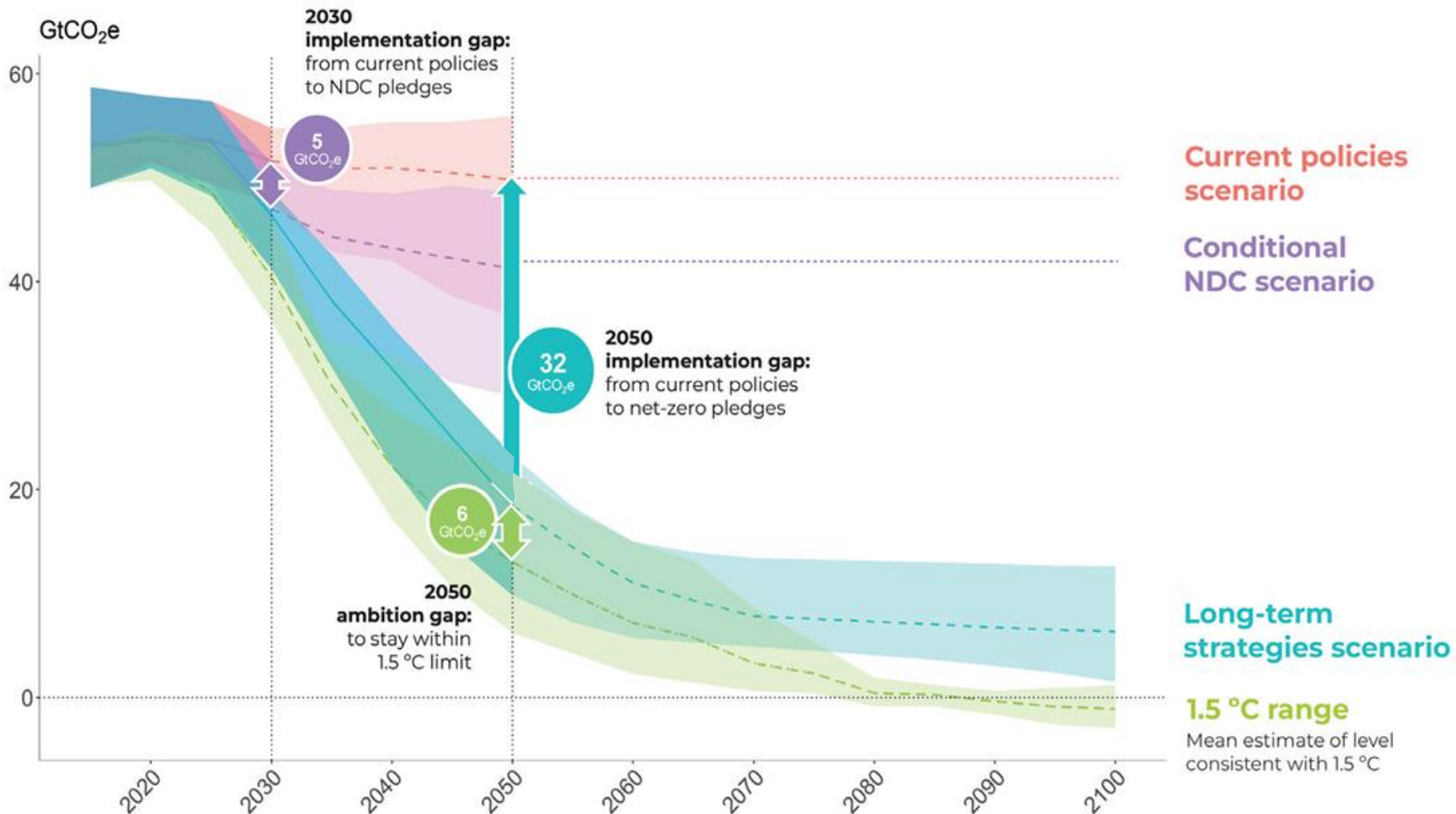
1.5 °C range
Mean estimate of level
consistent with 1.5 °C

Total GHG Emissions

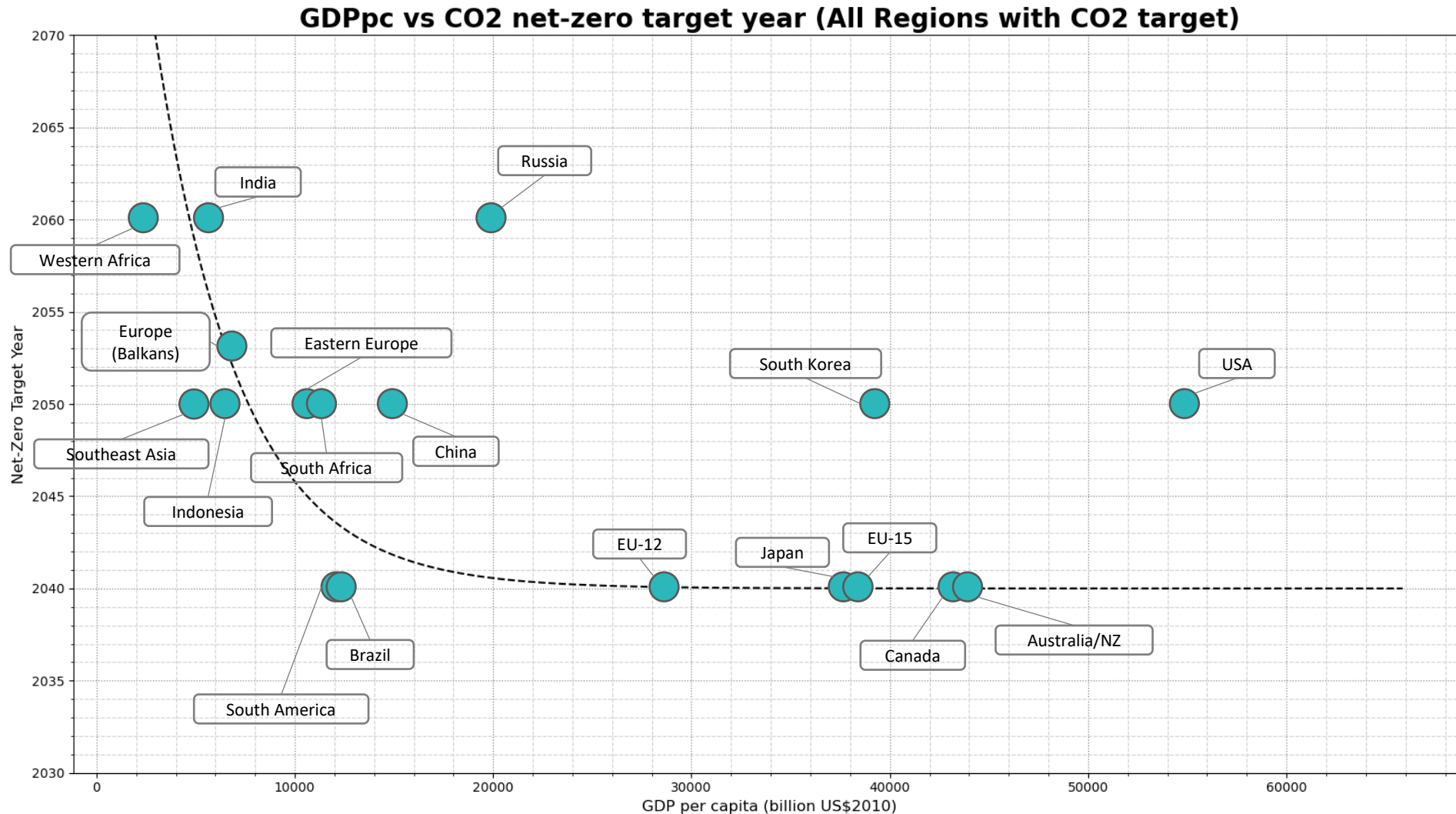


We will update this next year

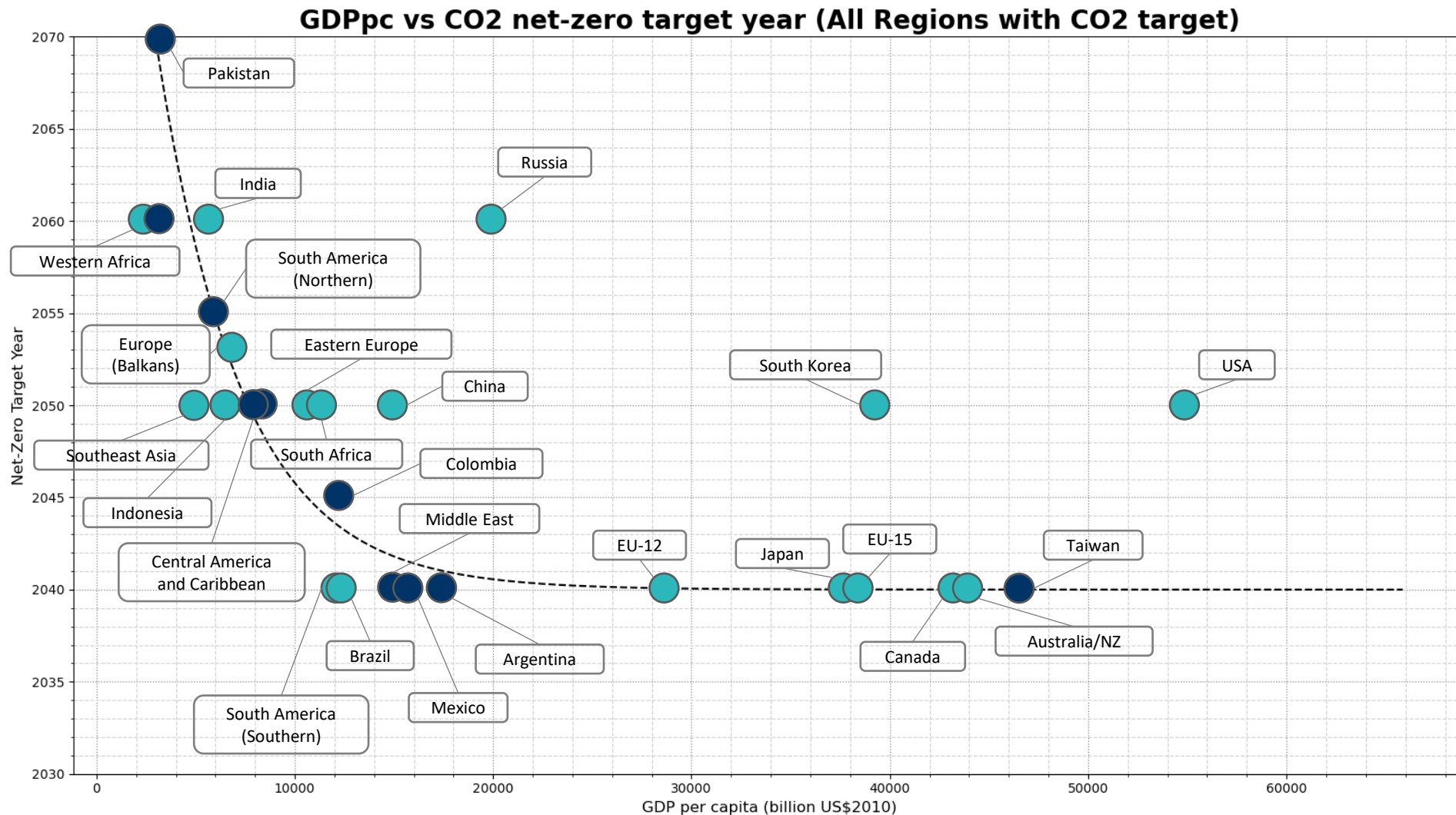
Total GHG Emissions



Expanding the net-zero coverage

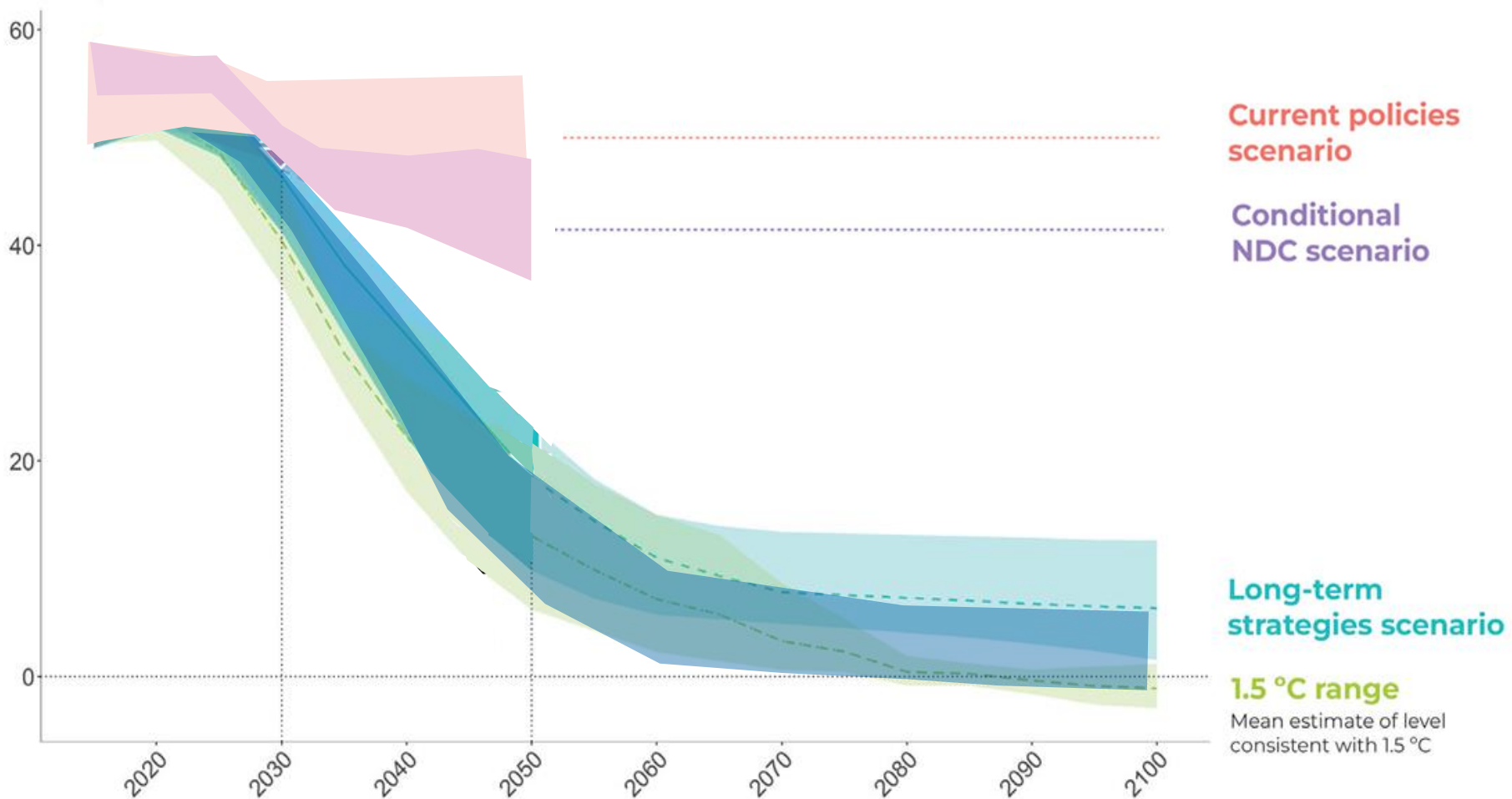


Expanding the net-zero coverage



Total GHG Emissions

GtCO₂e



**Current policies
scenario**

2.8°C

**Conditional
NDC scenario**

2.5°C

**Long-term
strategies scenario**

1.9°C

1.5 °C range

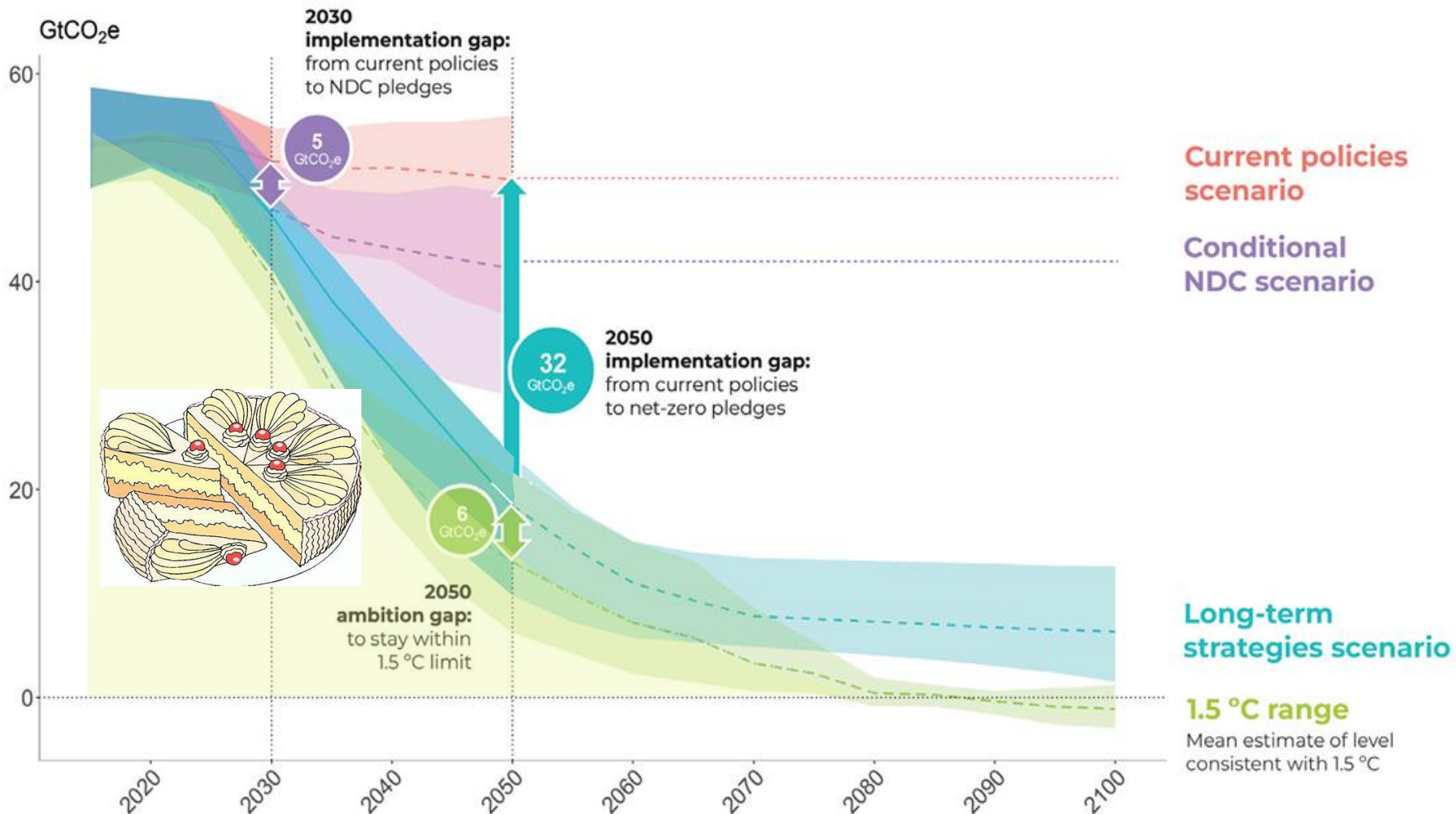
Mean estimate of level
consistent with 1.5 °C

1.7°C

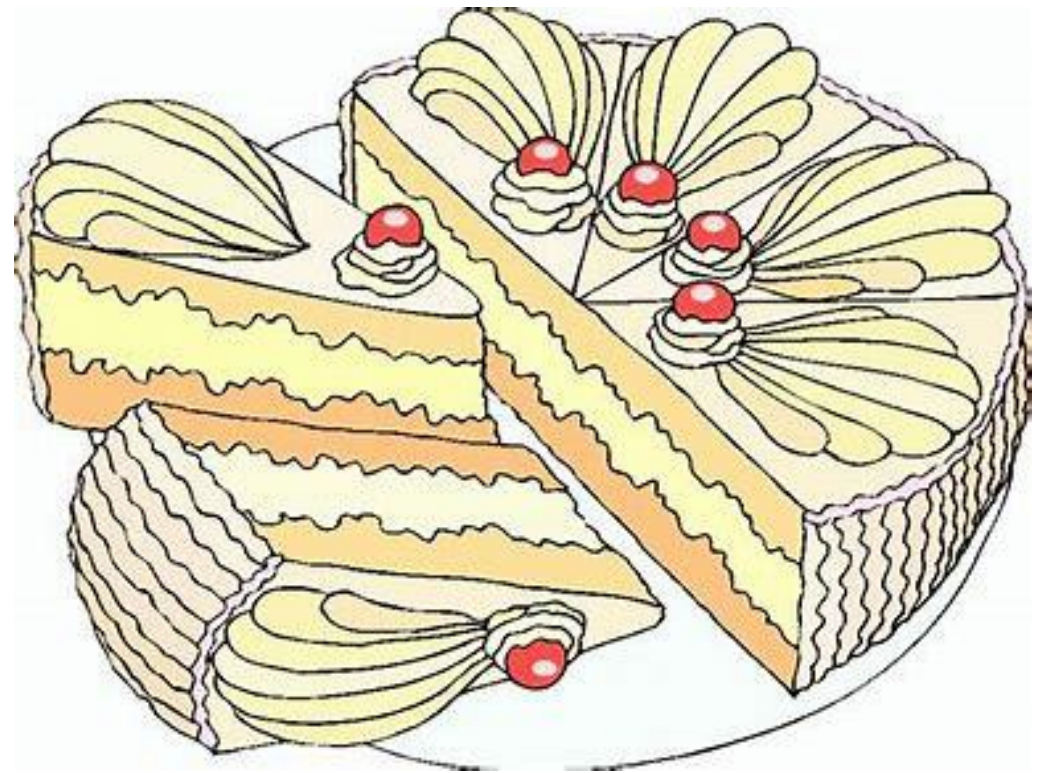
Parties only collaborate if outcome is perceived fair

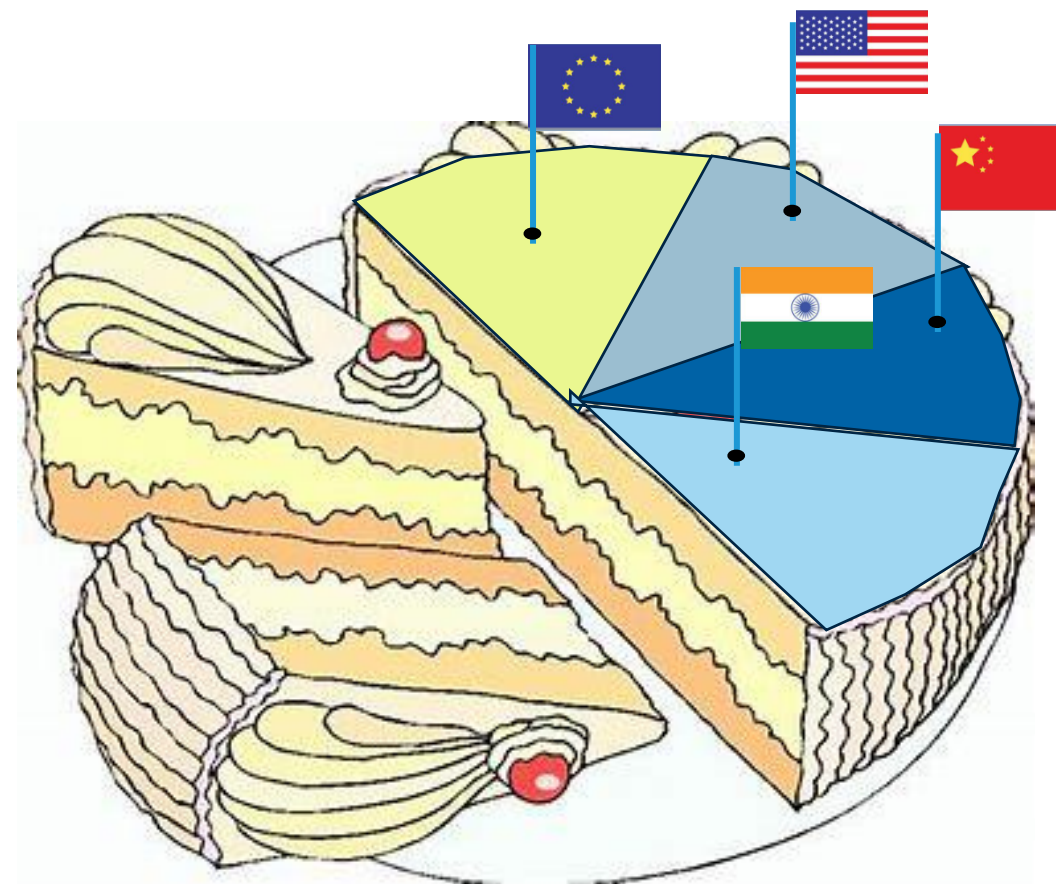
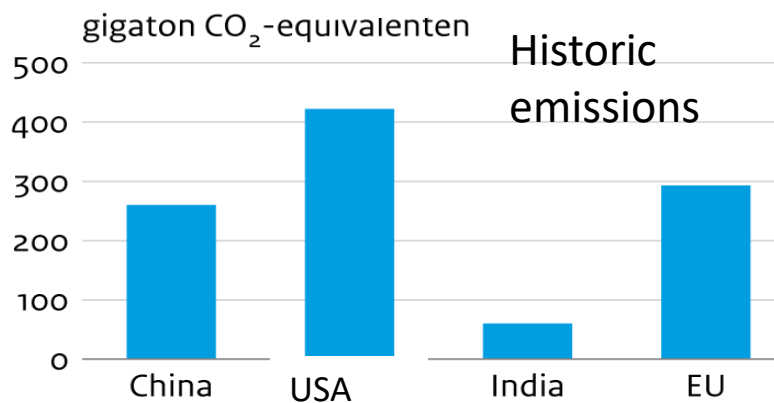
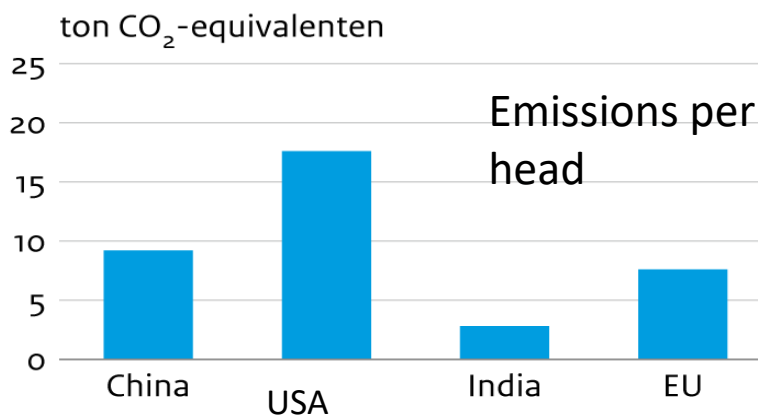
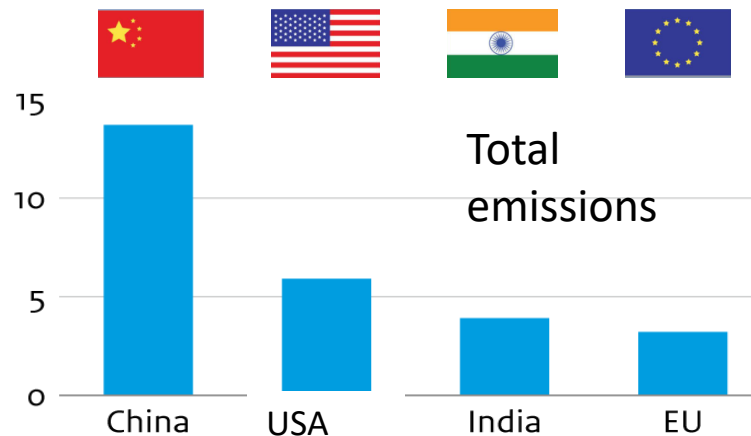
- Quite some (model-based) literature on justice
- Still, many scenarios have focused on feasibility of targets – not so much on fairness
- More research needed:
 - Contributions from different parties
 - Consequences of transition
 - Impacts on vulnerable groups
 - Underlying assumptions
 - Make community more inclusive

Total GHG Emissions



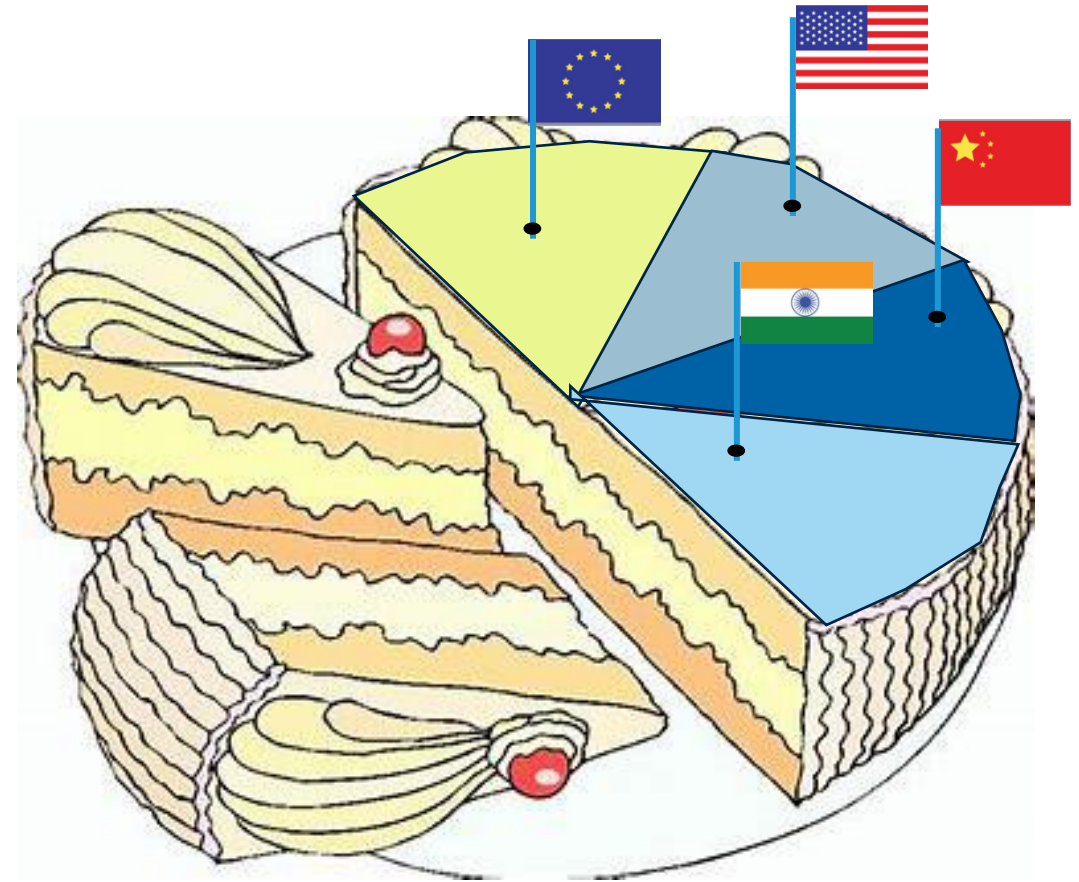
Remaining carbon budgets





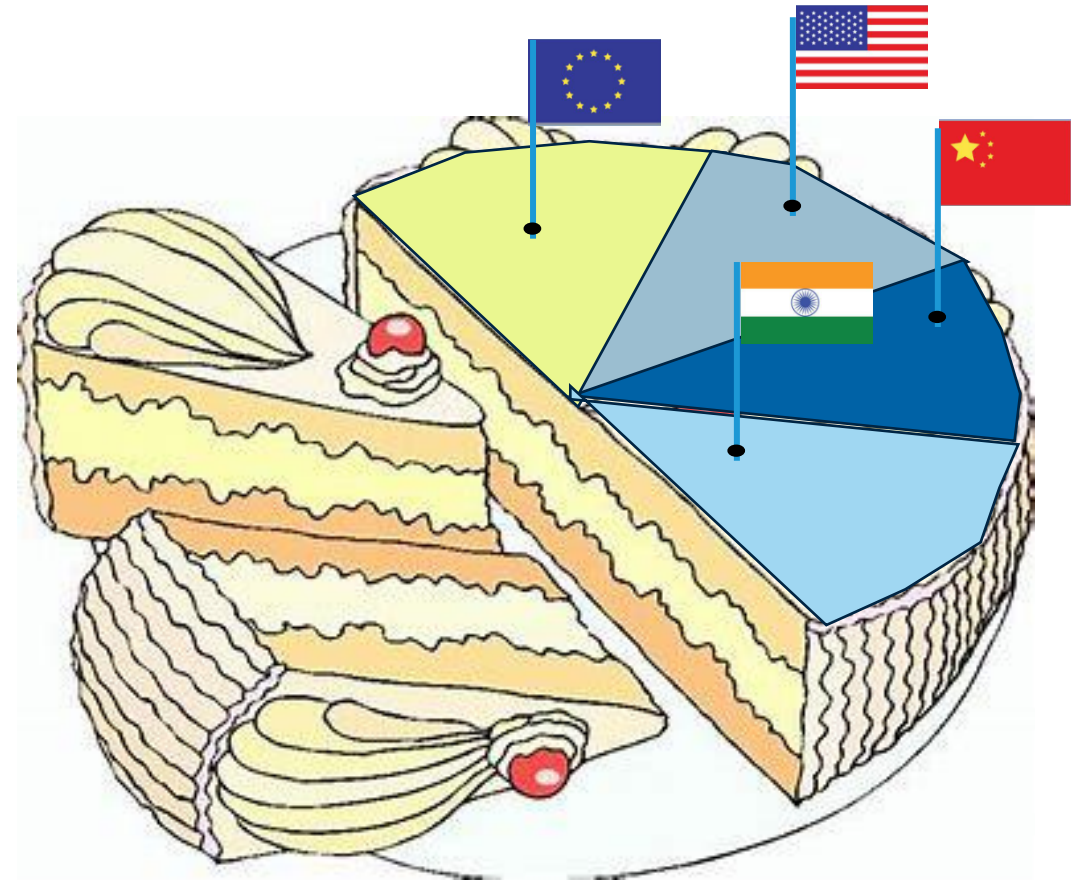
Global fair distribution

- Normative – different opinions
 - Equality
 - Responsibility
 - Capacity
 - Development rights
 - Continuity
- Calculations can illustrate consequences of different opinions

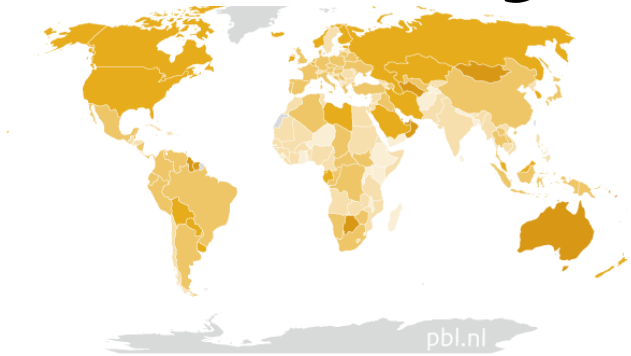


Global fair distribution

- Same reductions for everyone
- Equal per capita allocation
 - Immediately
 - Via budget
 - Convergence
- Historical responsibility
- Ability to pay
- ...



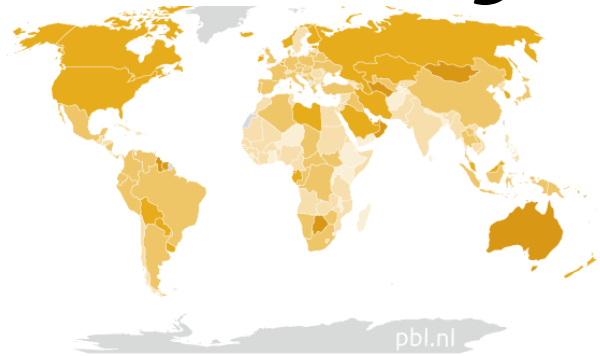
Large differences between countries



(ton CO₂-equivalenten)



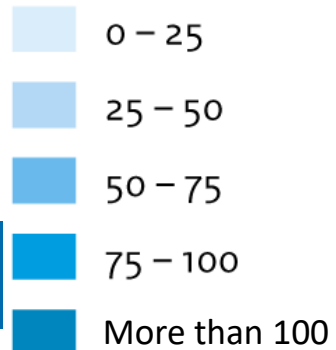
Large differences between countries



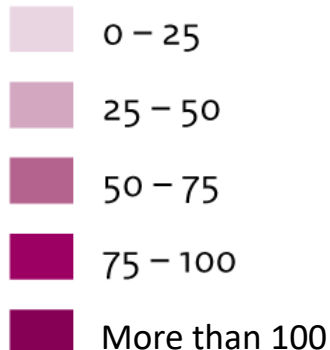
(ton CO₂-equivalents)



Emissions reduction (%)



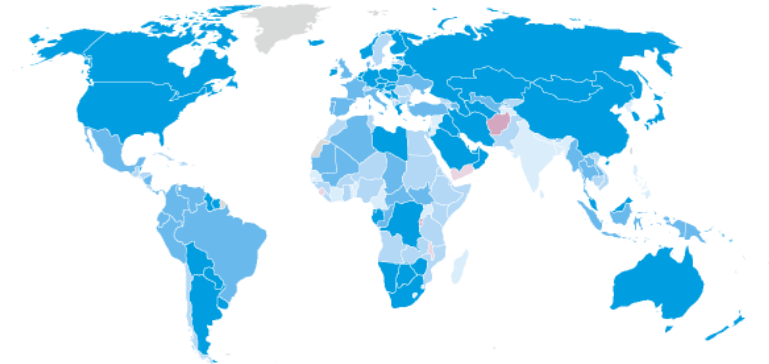
Emissions growth (%)



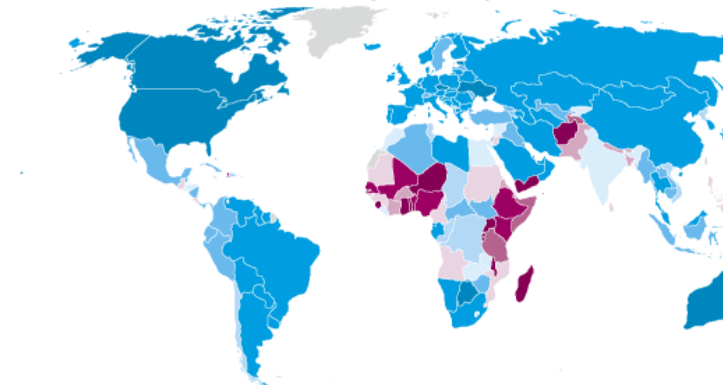
Same relative reduction



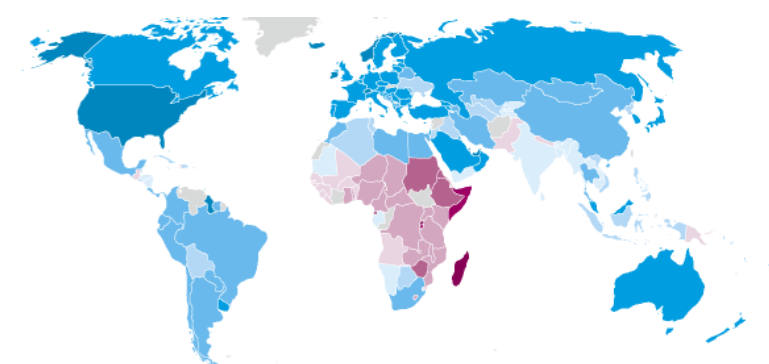
Per capita via budget



Historical responsibility



Capacity



Carbon budget explorer



Carbon Budget Explorer



This website is currently in beta and is subject to frequent updates. Please see the About page for more information

ABOUT



Carbon Budget Explorer

Exploring fair climate policy in three steps

1.

Set global targets

Defining the global carbon budget and emissions pathway

2.

Choose your effort-sharing principle

Implicating each country's "fair" emissions

3.

Observe individual country results

Indicating the pathway for each country in more detail