

## Headline Statements of the AR6 Report of IPCC

*TERI Roundtable  
COP28 Green Zone  
4 December 2023*

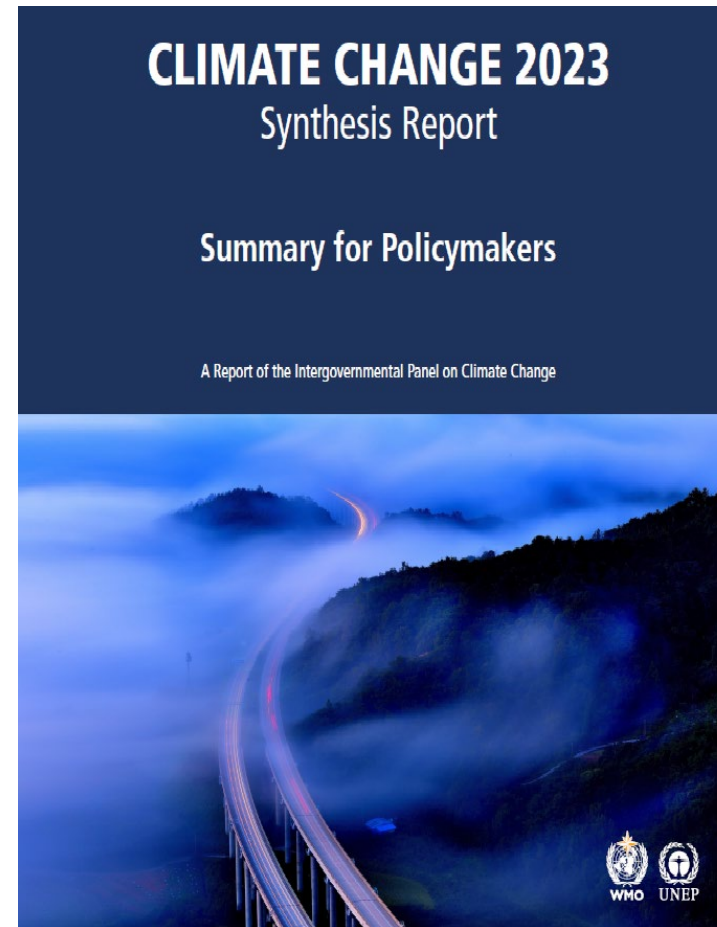
*Jim Skea, Chair IPCC*

# The Synthesis Report Narrative

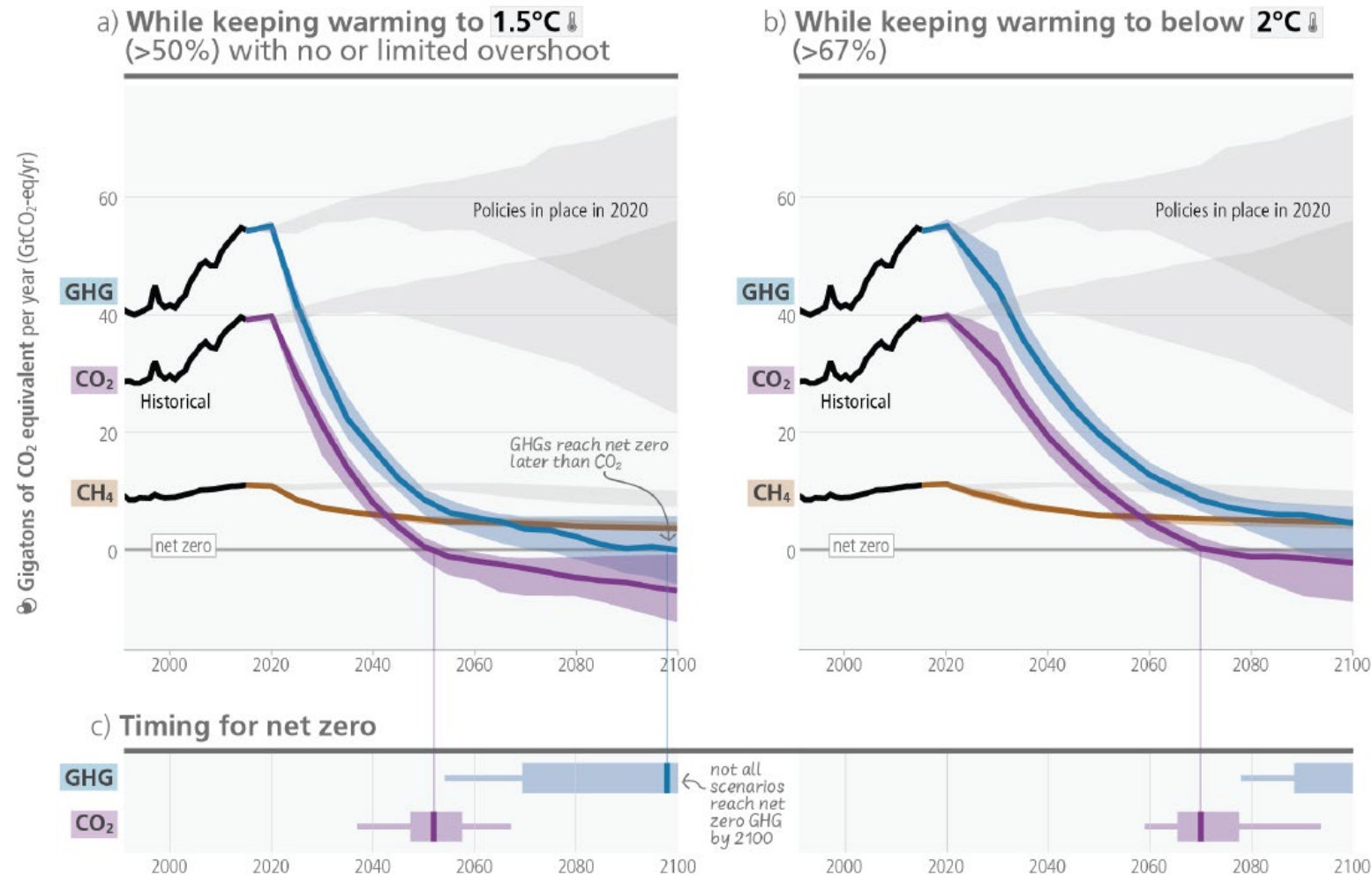
**Current Status and Trends**

**Long-Term Climate and  
Development Futures**

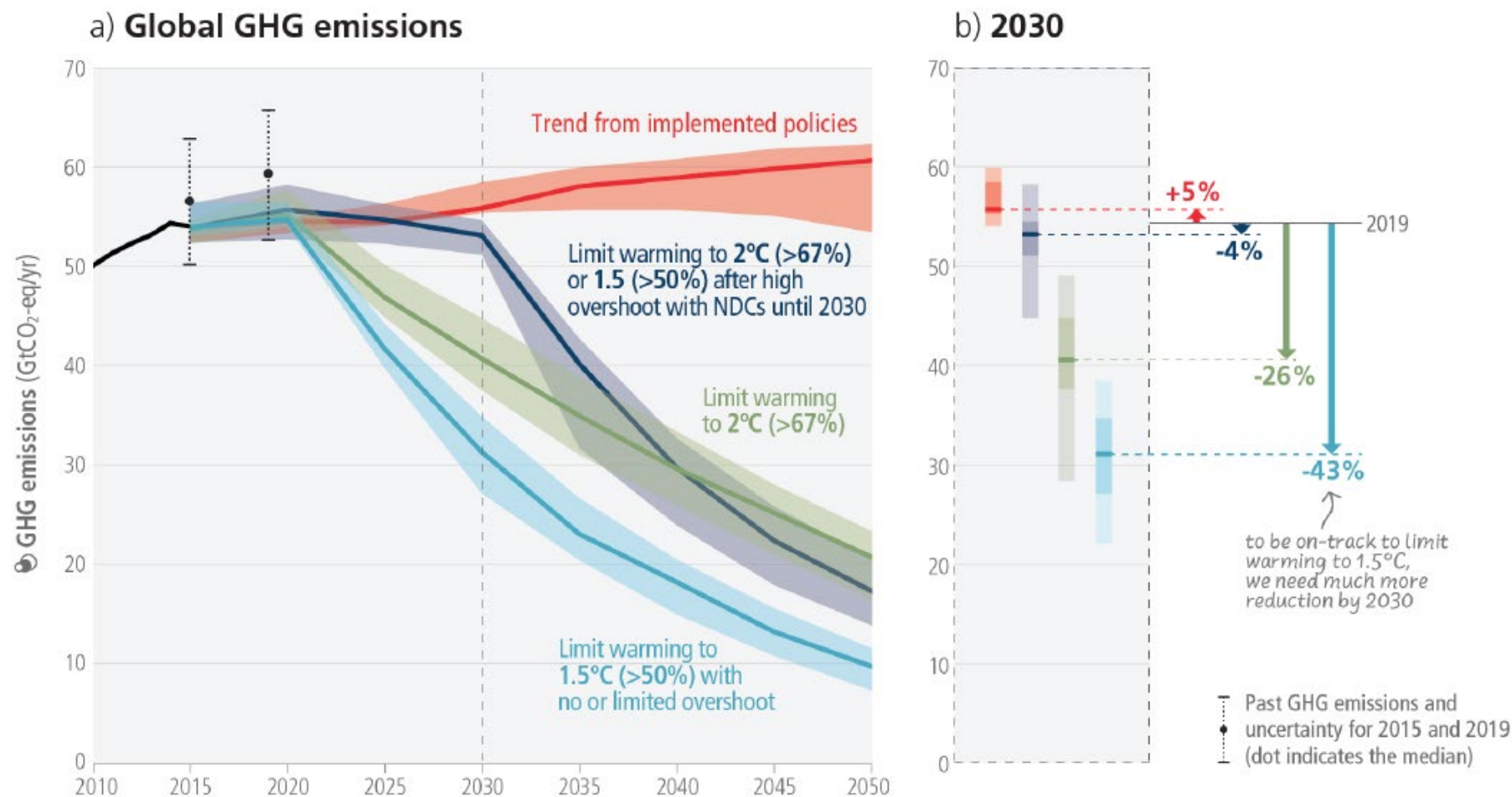
**Near-Term Responses in a  
Changing Climate**



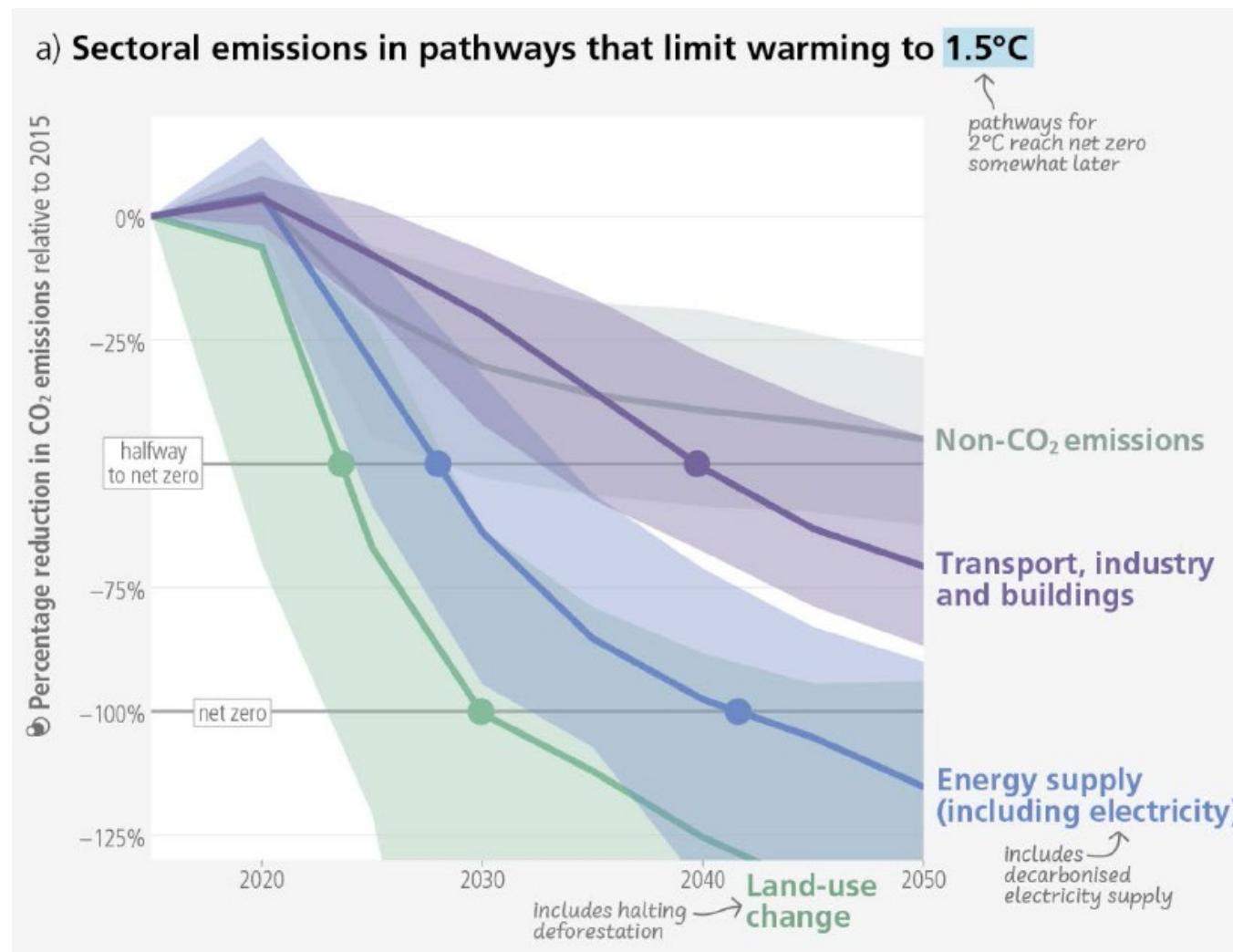
## Global modelled pathways that limit warming to 1.5°C reach net zero CO<sub>2</sub> emissions around 2050



## Projected global emissions from NDCs make it likely that warming will exceed 1.5°C

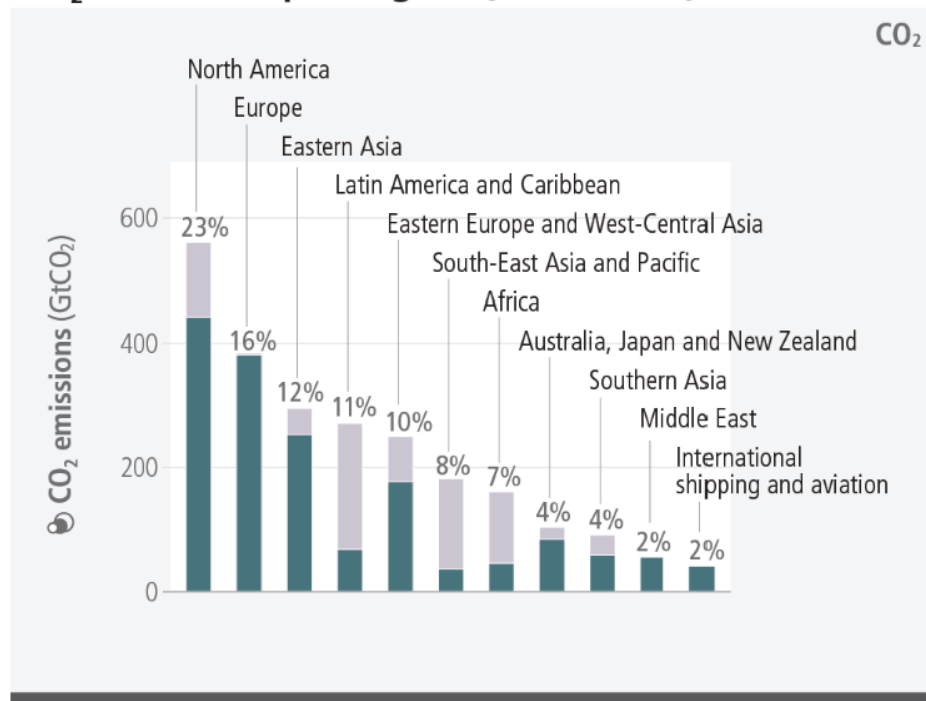


## The transition towards net zero CO<sub>2</sub> will have different pace across different sectors

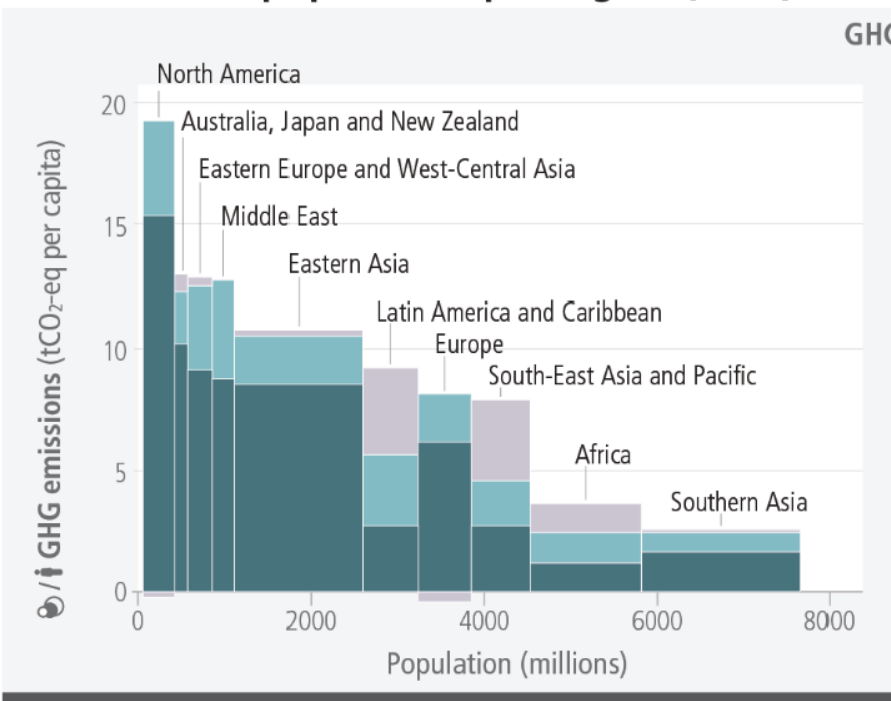


## Emissions are distributed unevenly, both in the present day and cumulatively since 1850

a) Historical cumulative net anthropogenic CO<sub>2</sub> emissions per region (1850–2019)



b) Net anthropogenic GHG emissions per capita and for total population, per region (2019)



Key

Timeframes represented in these graphs

1850

1990

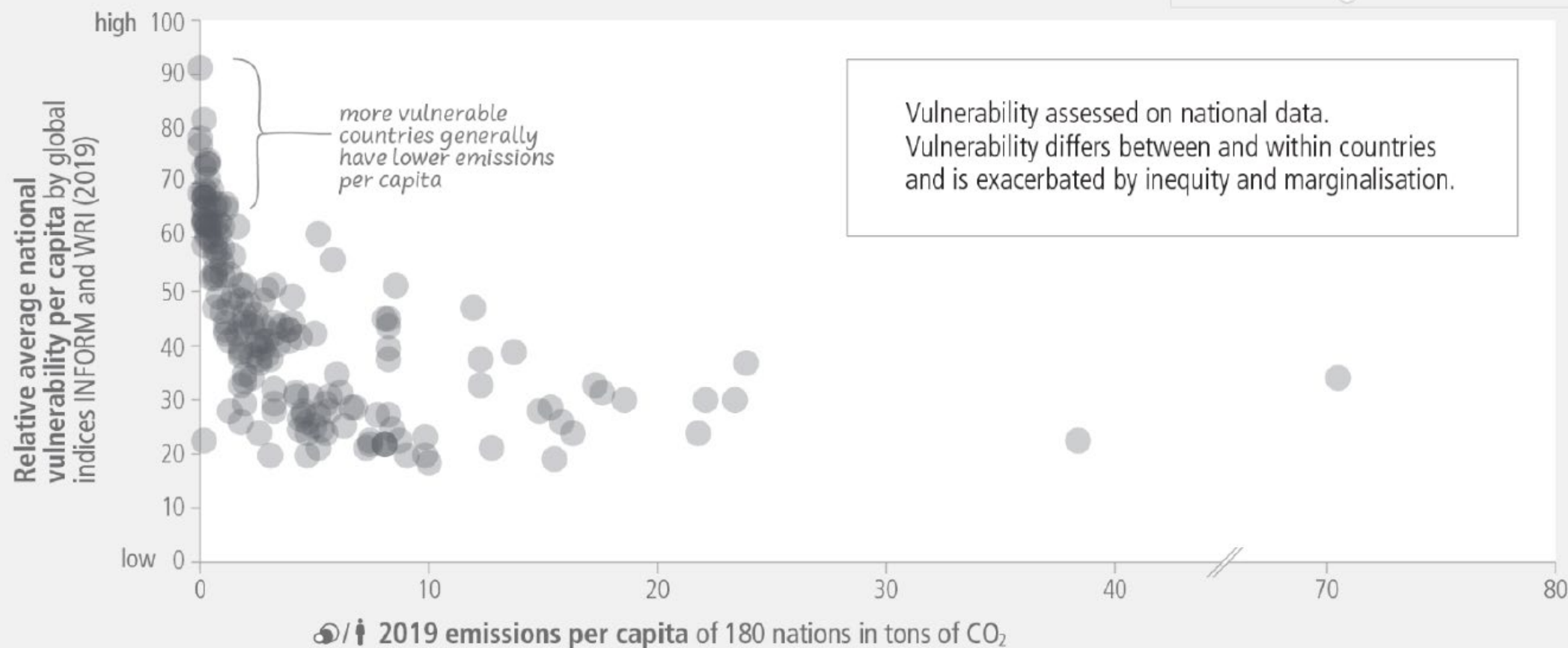
2019

- Net CO<sub>2</sub> from land use, land use change, forestry (CO<sub>2</sub>LULUCF)
- Other GHG emissions
- Fossil fuel and industry (CO<sub>2</sub>FFI)
- All GHG emissions

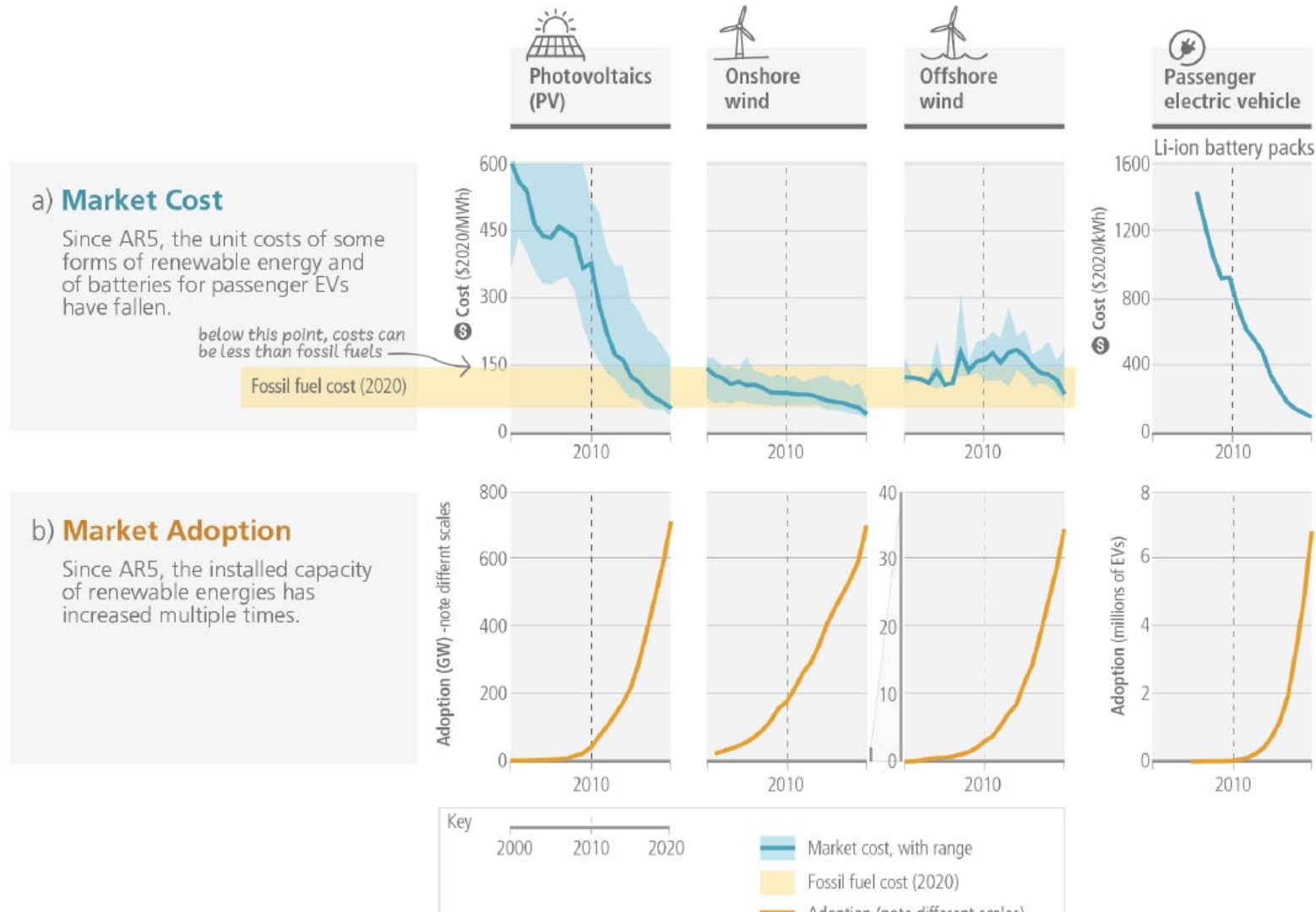
# Those who have generally contributed least to climate change are most vulnerable

b) Vulnerability of population & per capita emissions per country in 2019

Dimension of Risk:  Vulnerability

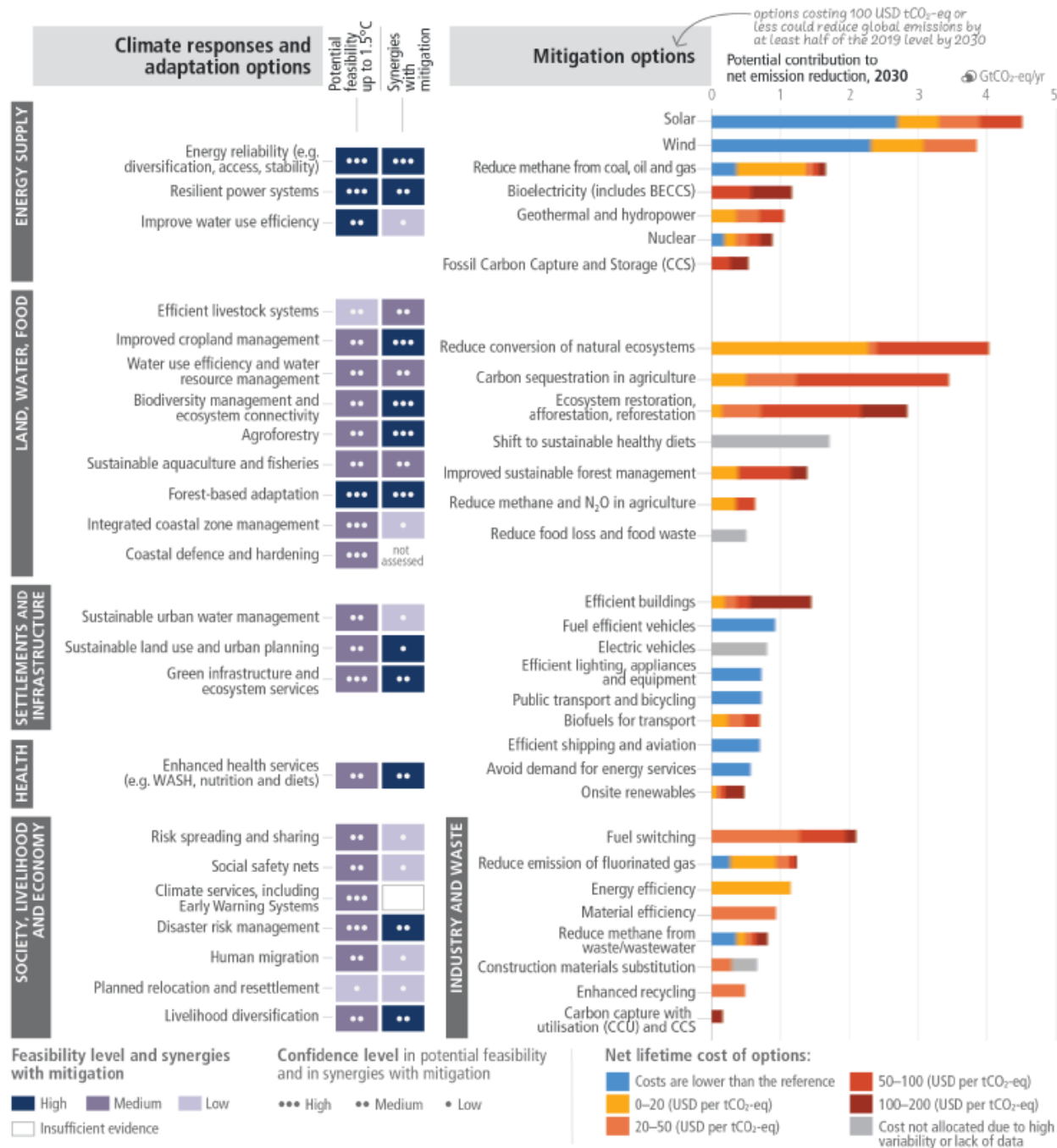


## Renewable electricity generation is increasingly price-competitive and some sectors are electrifying

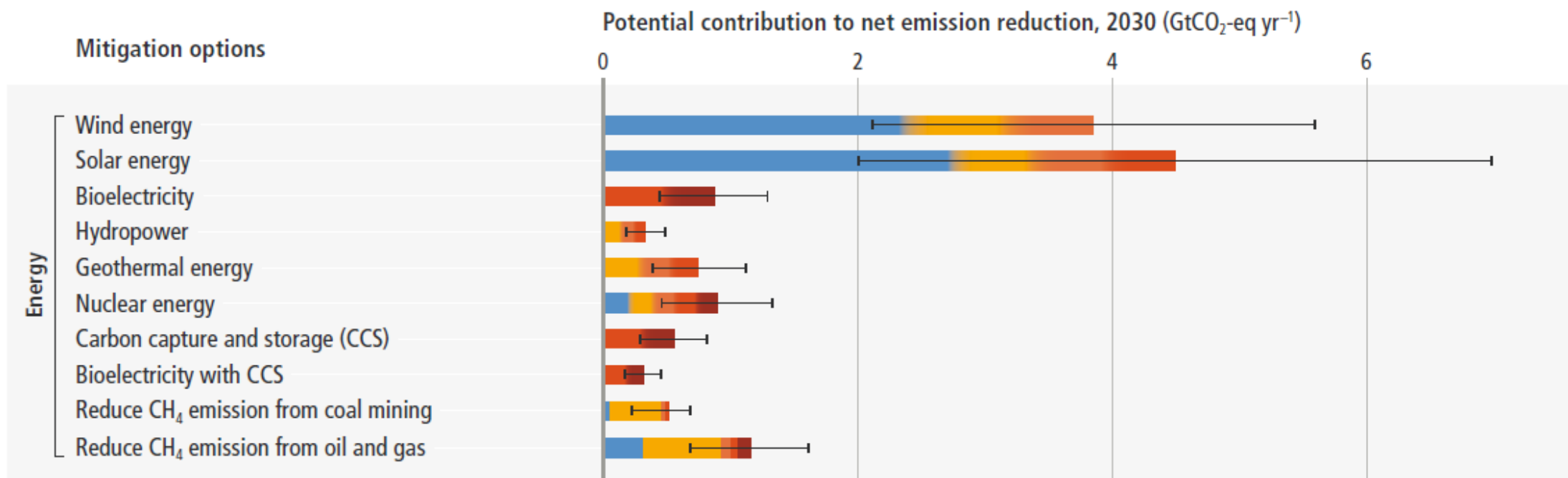




## There are multiple opportunities for scaling up climate action in the near term



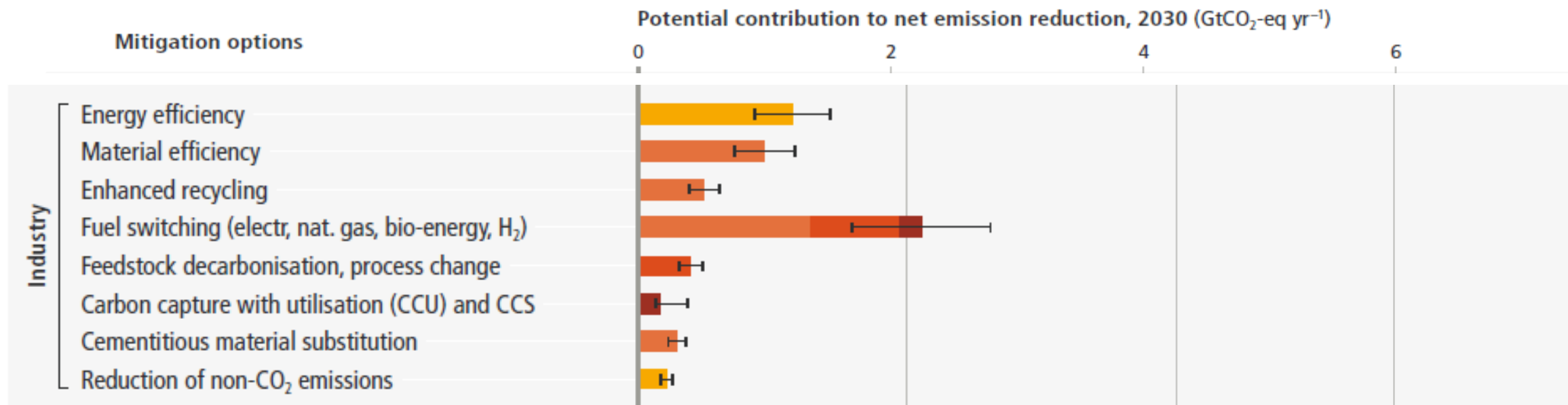
## Potentials and costs of near-term mitigation options in the energy sector



### Net lifetime cost of options:



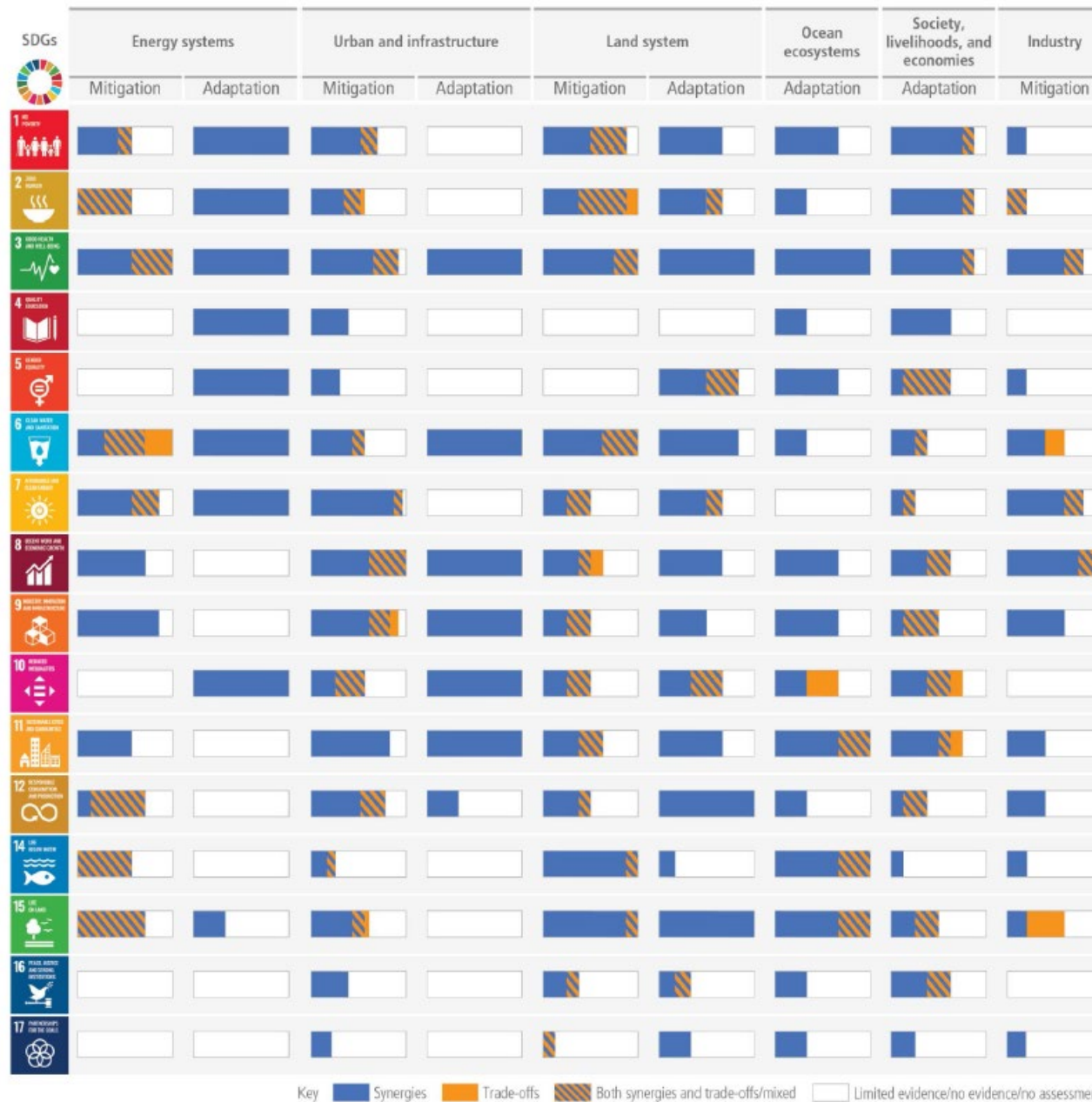
## Potentials and costs of near-term mitigation options in the industry sector



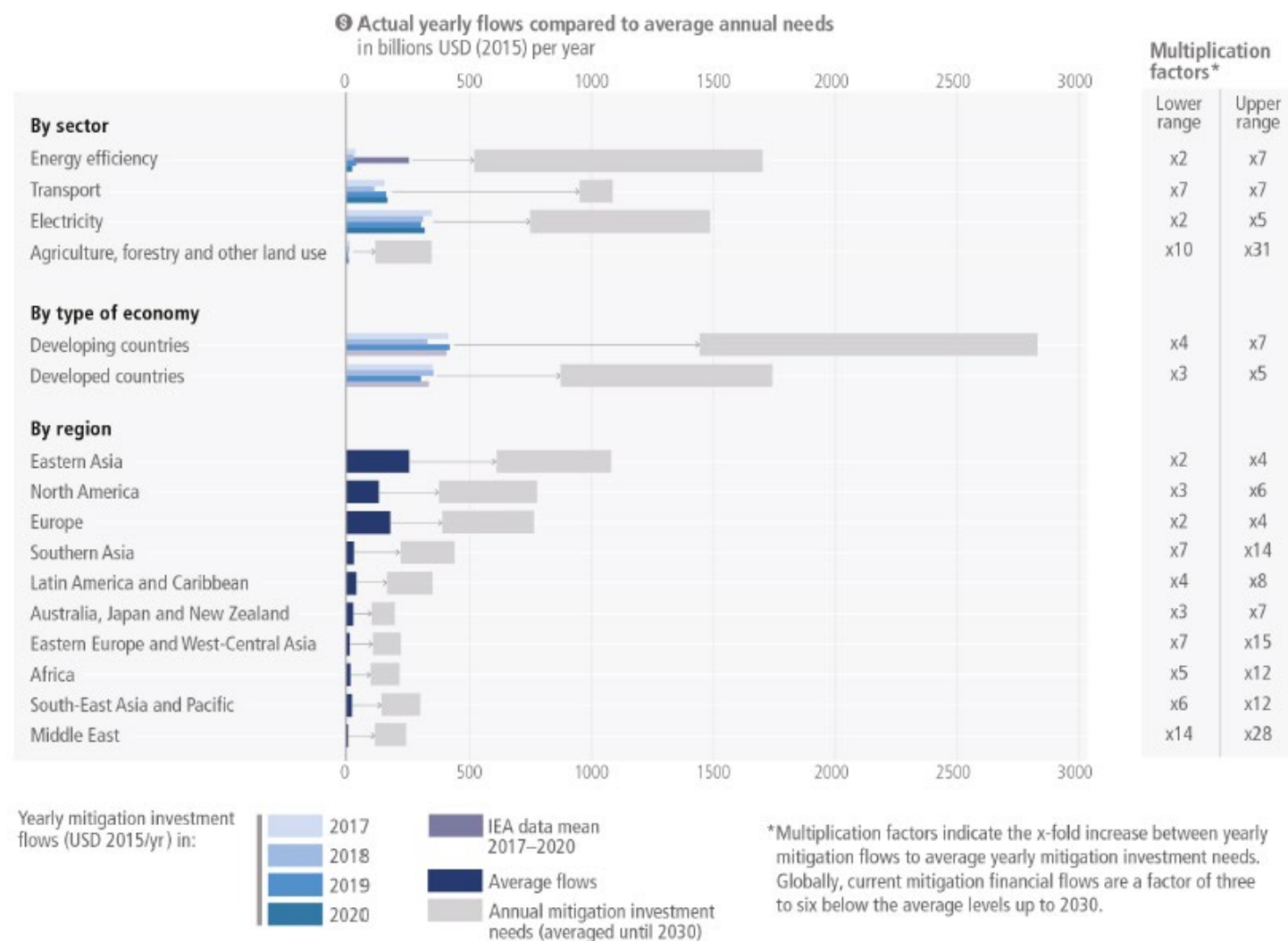
### Net lifetime cost of options:



## Near term adaptation and mitigation options have more synergies than trade-offs with Sustainable Development Goals



## Higher mitigation investment flows required for all sectors and regions to limit global warming



# Scaling up financial flows requires clear signalling from governments and the international community

- a stronger alignment of public finance
- lowering real and perceived regulatory, cost and market barriers
- higher levels of public finance to lower the risks associated with low-emission investments.

## International technology cooperation

- Adoption of low-emission technologies lags in most developing countries, particularly least developed ones, due in part to weaker enabling conditions, including limited finance, technology development and transfer, and capacity building
- International cooperation on innovation systems and technology development and transfer, accompanied by capacity building, knowledge sharing, and technical and financial support can accelerate the global diffusion of mitigation technologies, practices and policies
- International cooperation can align with other development objectives.

***THANK YOU!***