

HIGH-LEVEL MINISTERIAL ON PRE-2030 AMBITION

Jim Skea

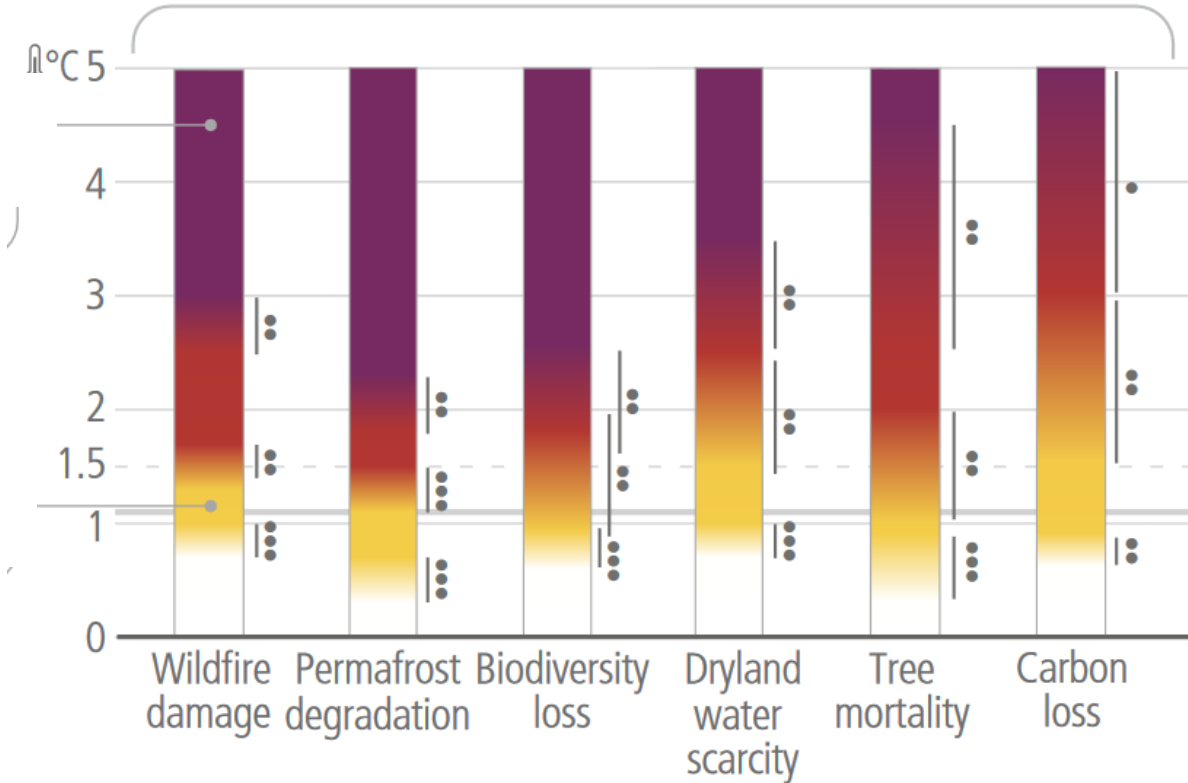
Chair, Intergovernmental Panel on Climate Change

COP 29

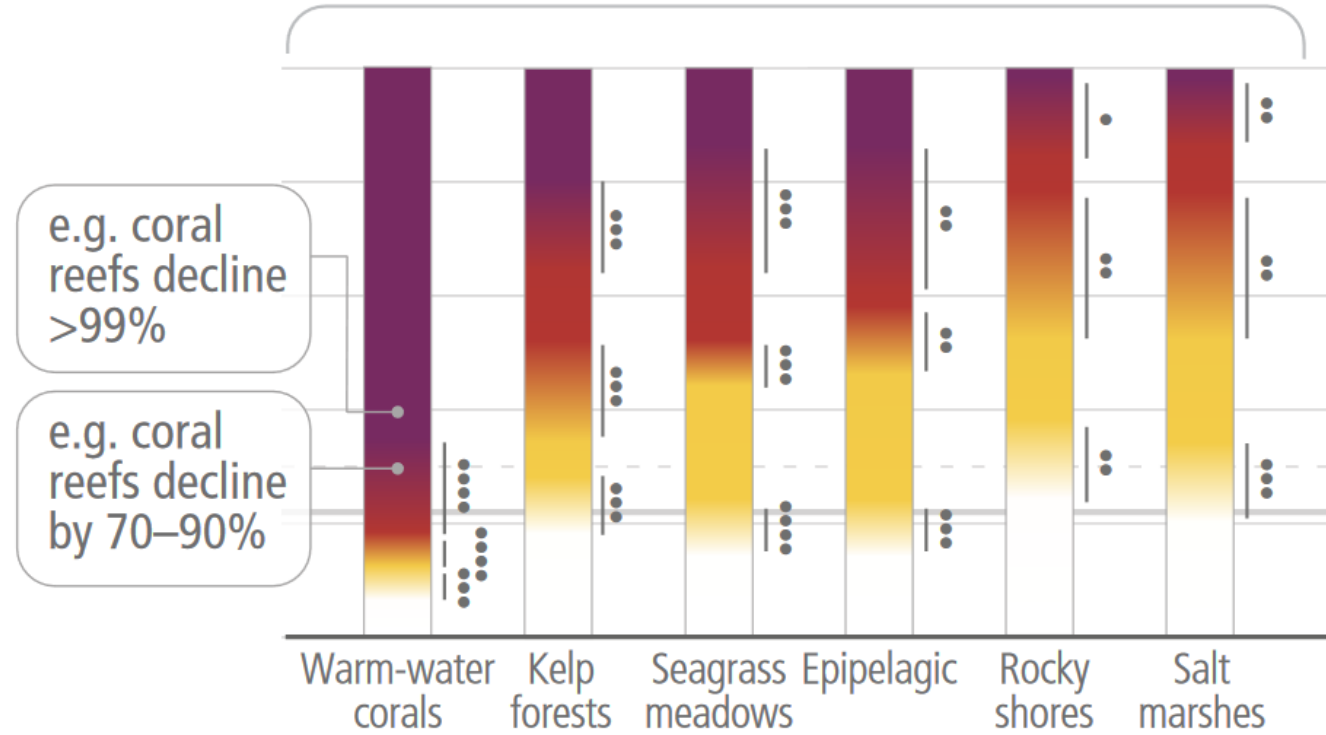
18 November 2024

Risks increase with every increment of warming

Land-based systems



Ocean/coastal ecosystems



e.g. coral reefs decline >99%

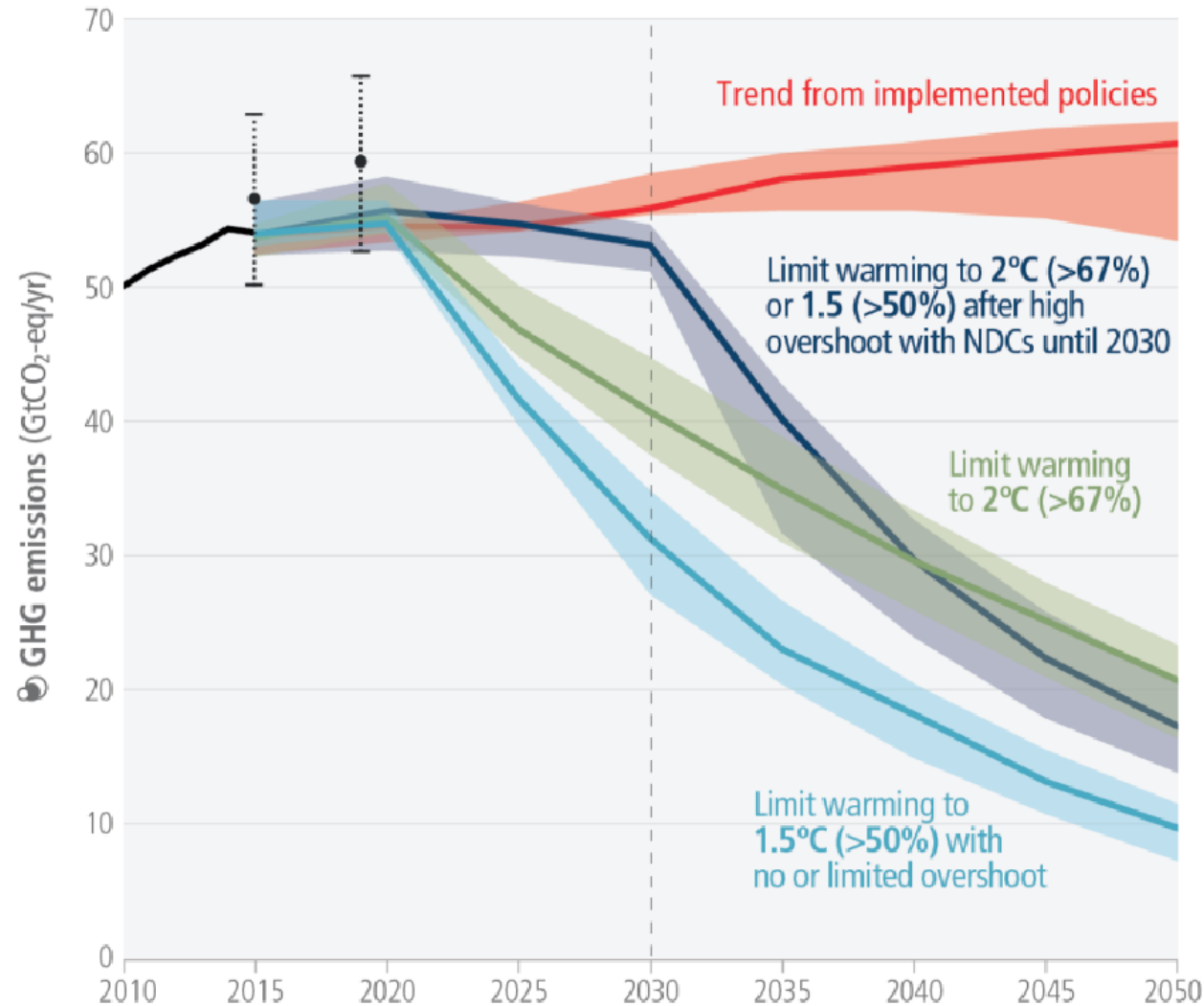
e.g. coral reefs decline by 70–90%

risk is the potential for adverse consequences

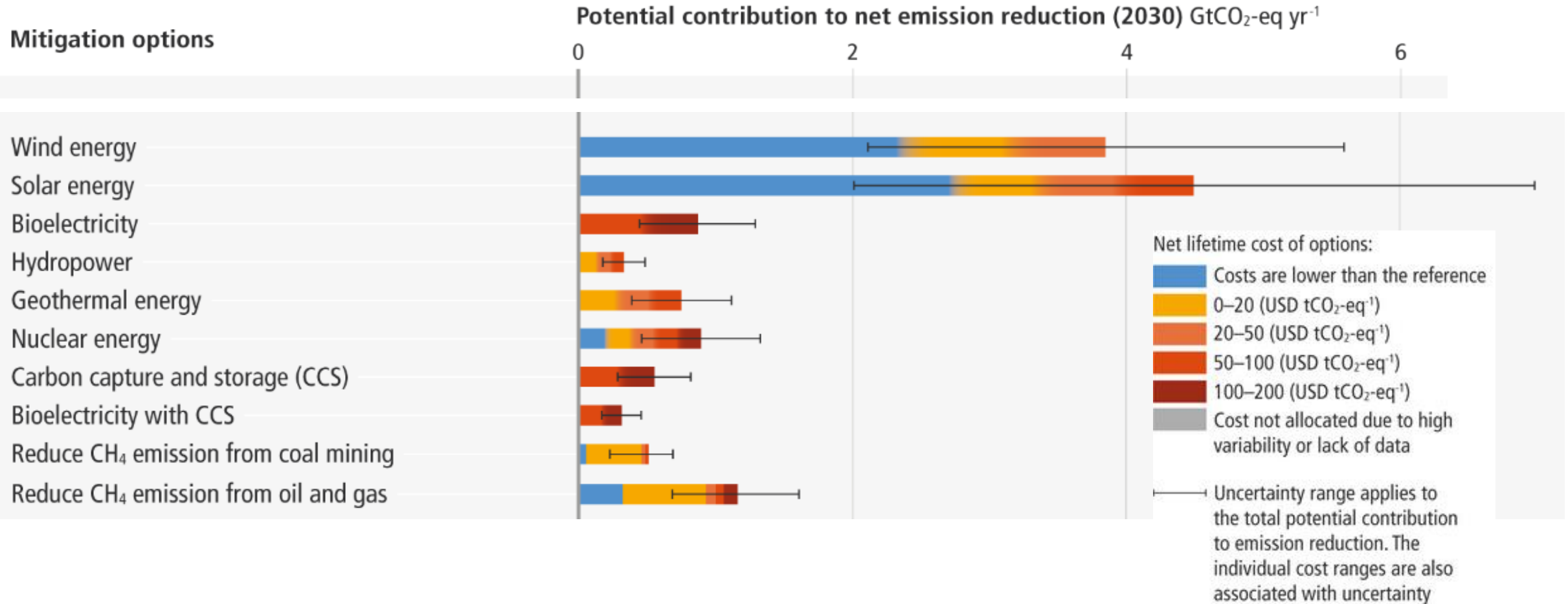
Risk/impact

- Very high
- High
- Moderate
- Undetectable

An emissions gap and an implementation gap with respect to the long-term temperature goal



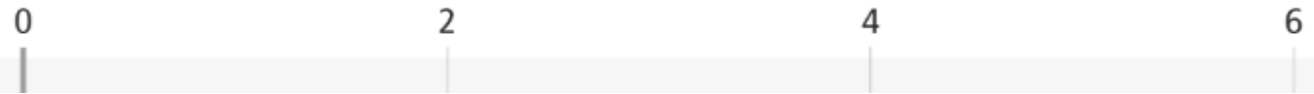
Many options available now offer substantial potential to reduce net emissions by 2030



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Mitigation options

Potential contribution to net emission reduction (2030) GtCO₂-eq yr⁻¹



AFOLU

- Carbon sequestration in agriculture
- Reduce CH₄ and N₂O emission in agriculture
- Reduced conversion of forests and other ecosystems
- Ecosystem restoration, afforestation, reforestation
- Improved sustainable forest management
- Reduce food loss and food waste
- Shift to balanced, sustainable healthy diets

Net lifetime cost of options:

- Costs are lower than the reference
- 0–20 (USD tCO₂-eq⁻¹)
- 20–50 (USD tCO₂-eq⁻¹)
- 50–100 (USD tCO₂-eq⁻¹)
- 100–200 (USD tCO₂-eq⁻¹)
- Cost not allocated due to high variability or lack of data

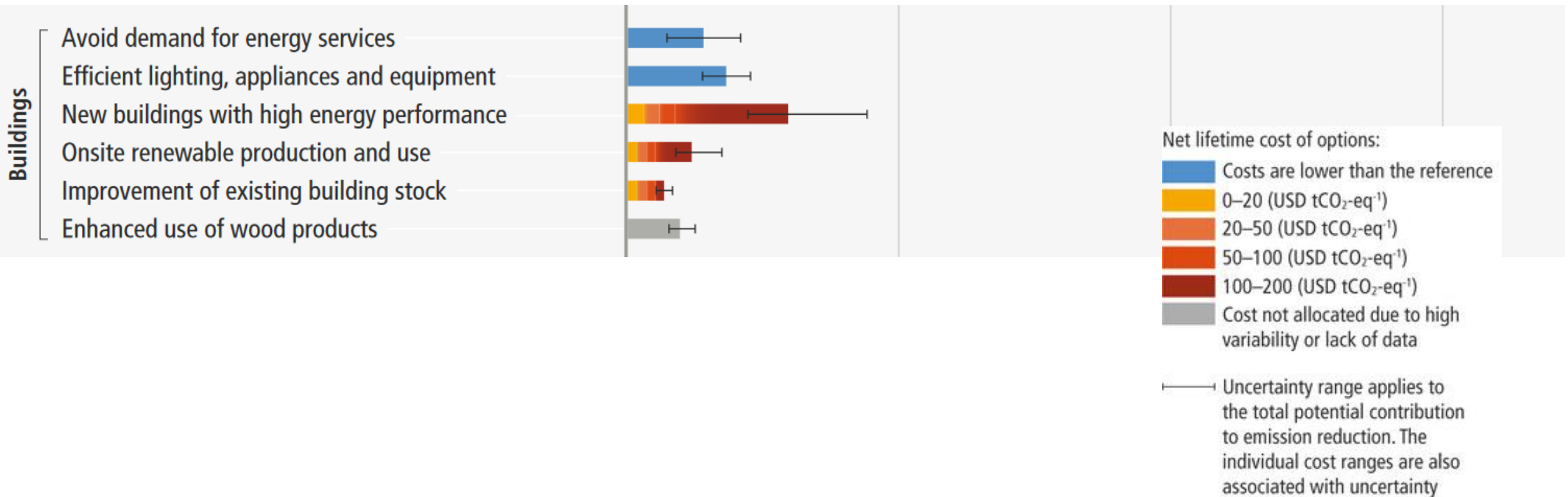
— Uncertainty range applies to the total potential contribution to emission reduction. The individual cost ranges are also associated with uncertainty

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0 2 4 6

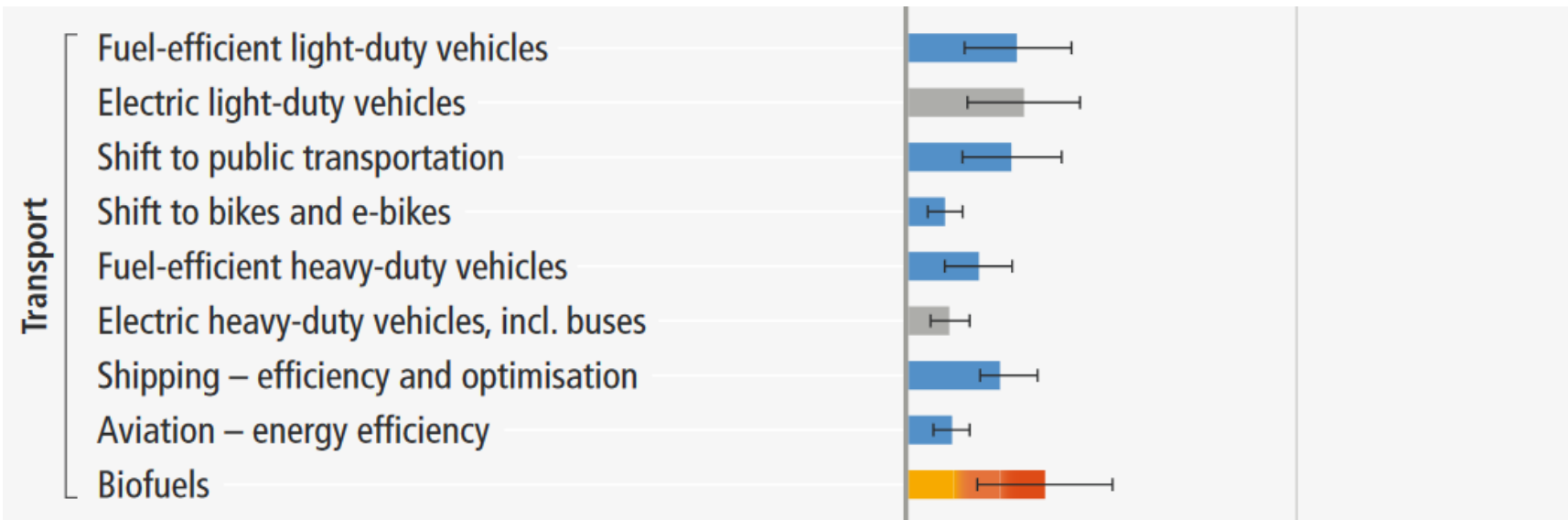


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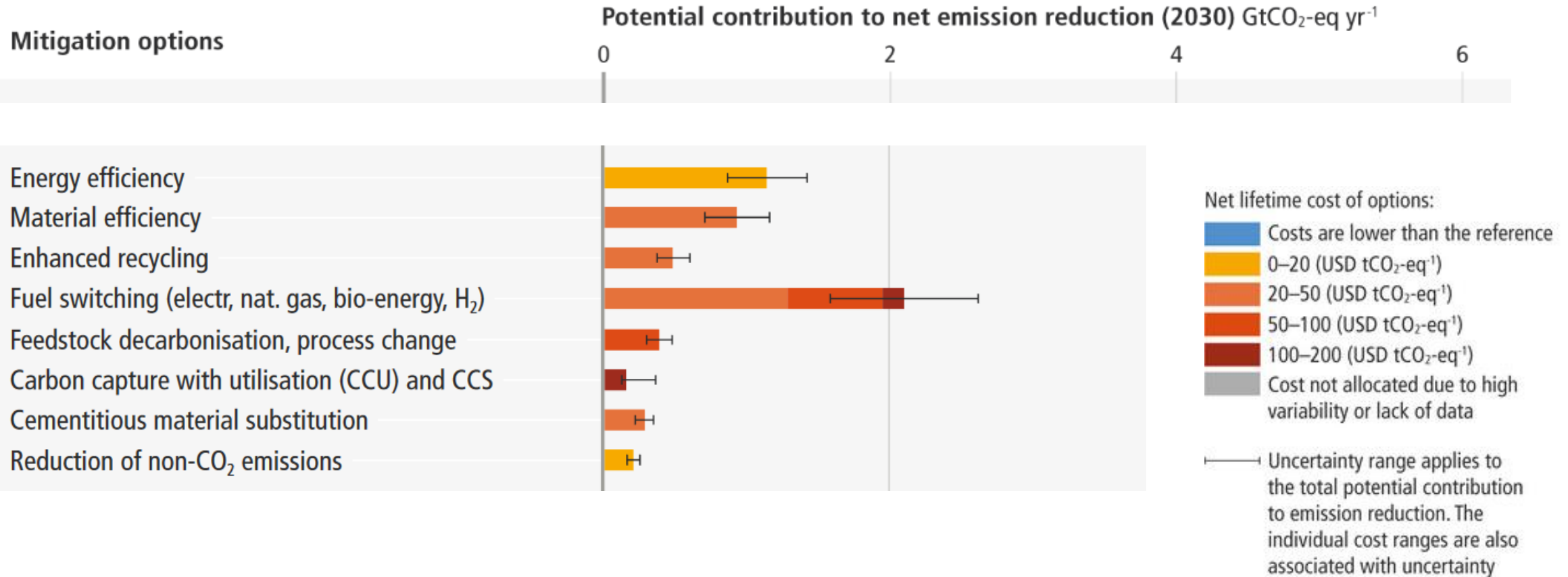


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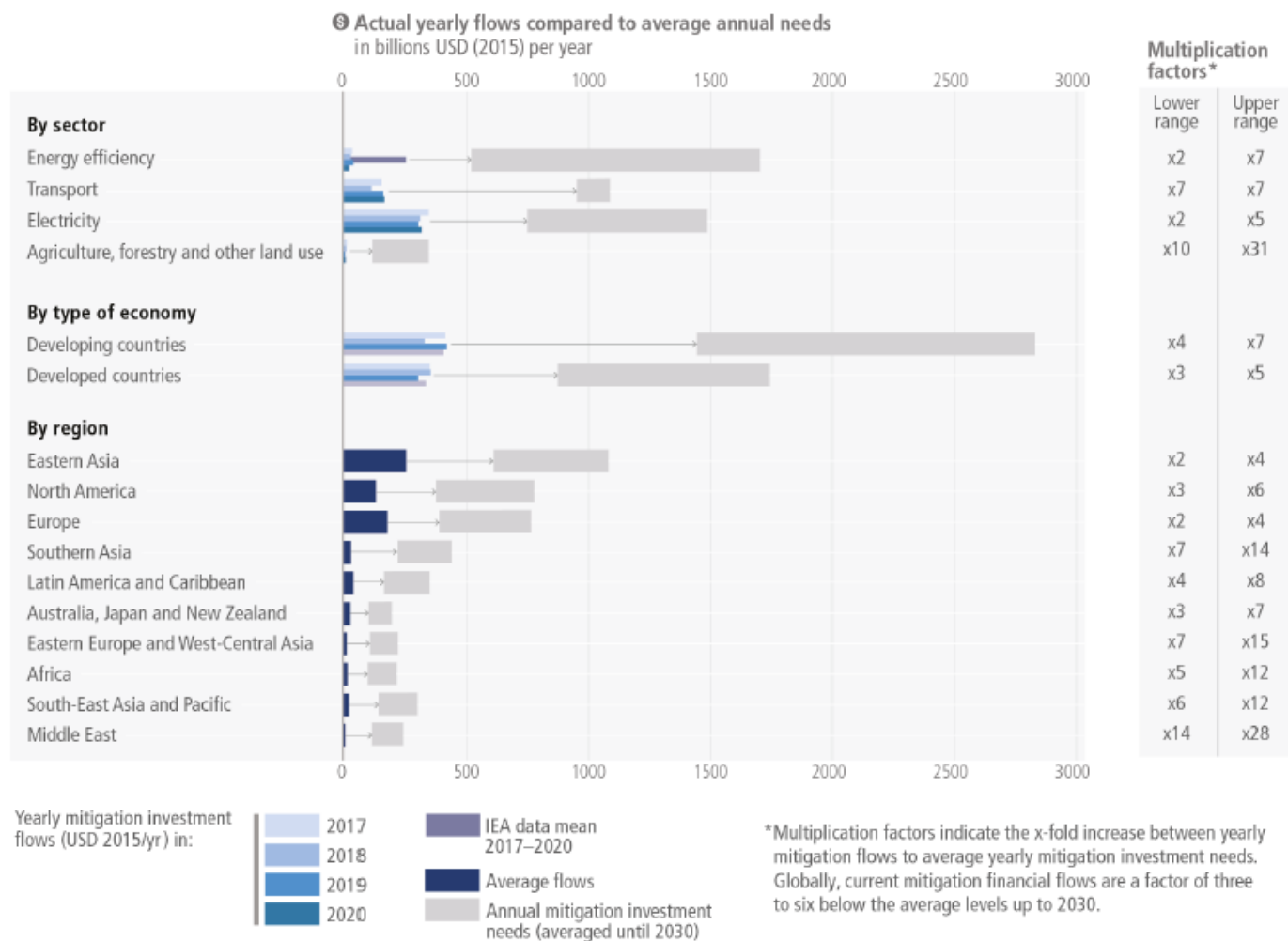
Near-term adaptation and mitigation actions have more synergies than trade-offs with Sustainable Development Goals (SDGs)



And we have the tools

- Gigatonnes of greenhouse gas emissions have already been avoided
- Climate legislation covers more than half of global emissions; 20% of emissions covered by carbon pricing
- The toolset includes: regulation; standards; sunset requirements; information and advice; skills, training and supply chain development
- And of course finance.....

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



THANK YOU

FOR YOUR ATTENTION

STAY IN TOUCH



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