

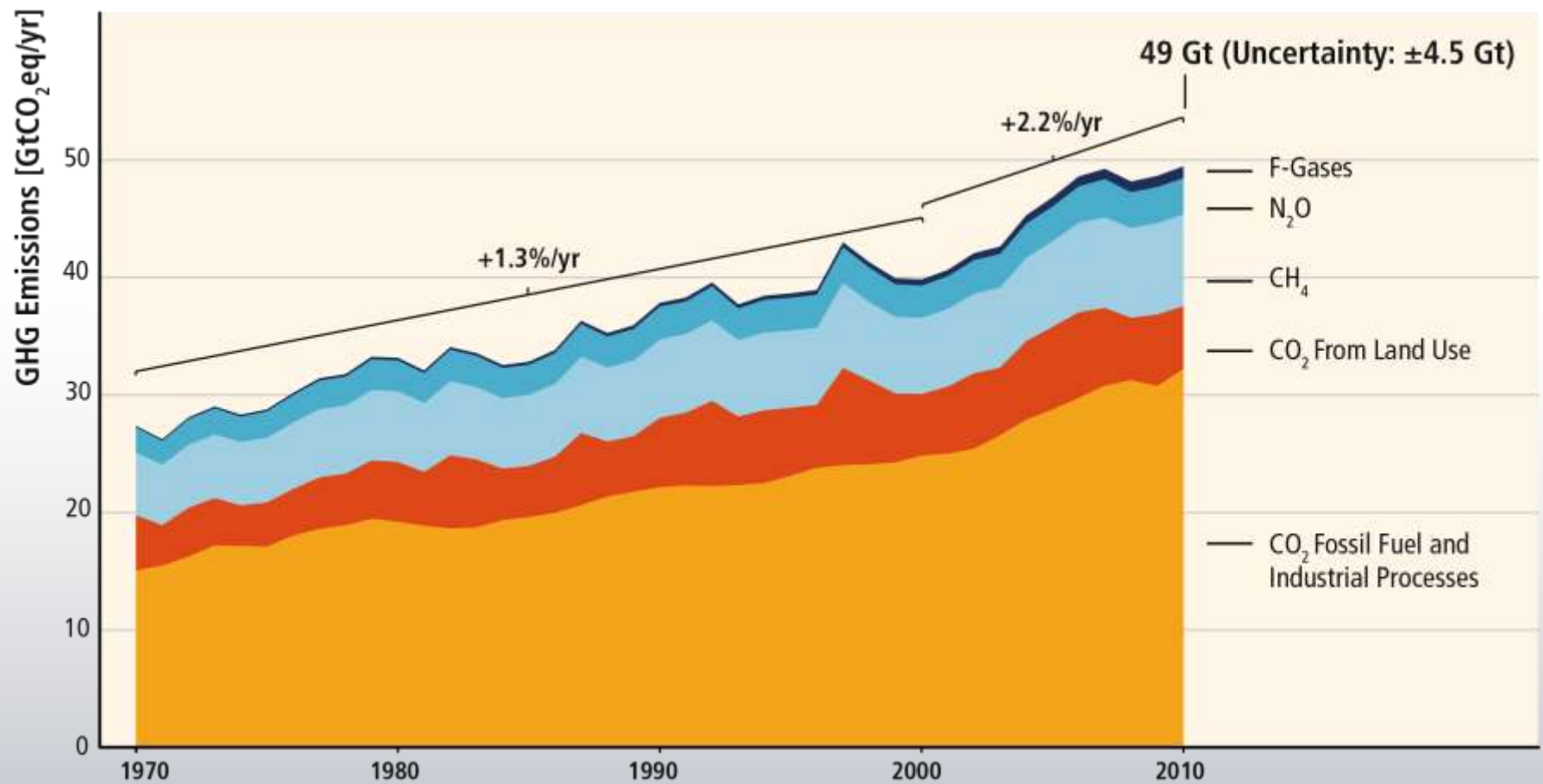
Options for Mitigation: What Can Be Done to Reduce GHG Emissions?

Priyadarshi R. Shukla and Jim Skea
IPCC WGIII Co-Chairs

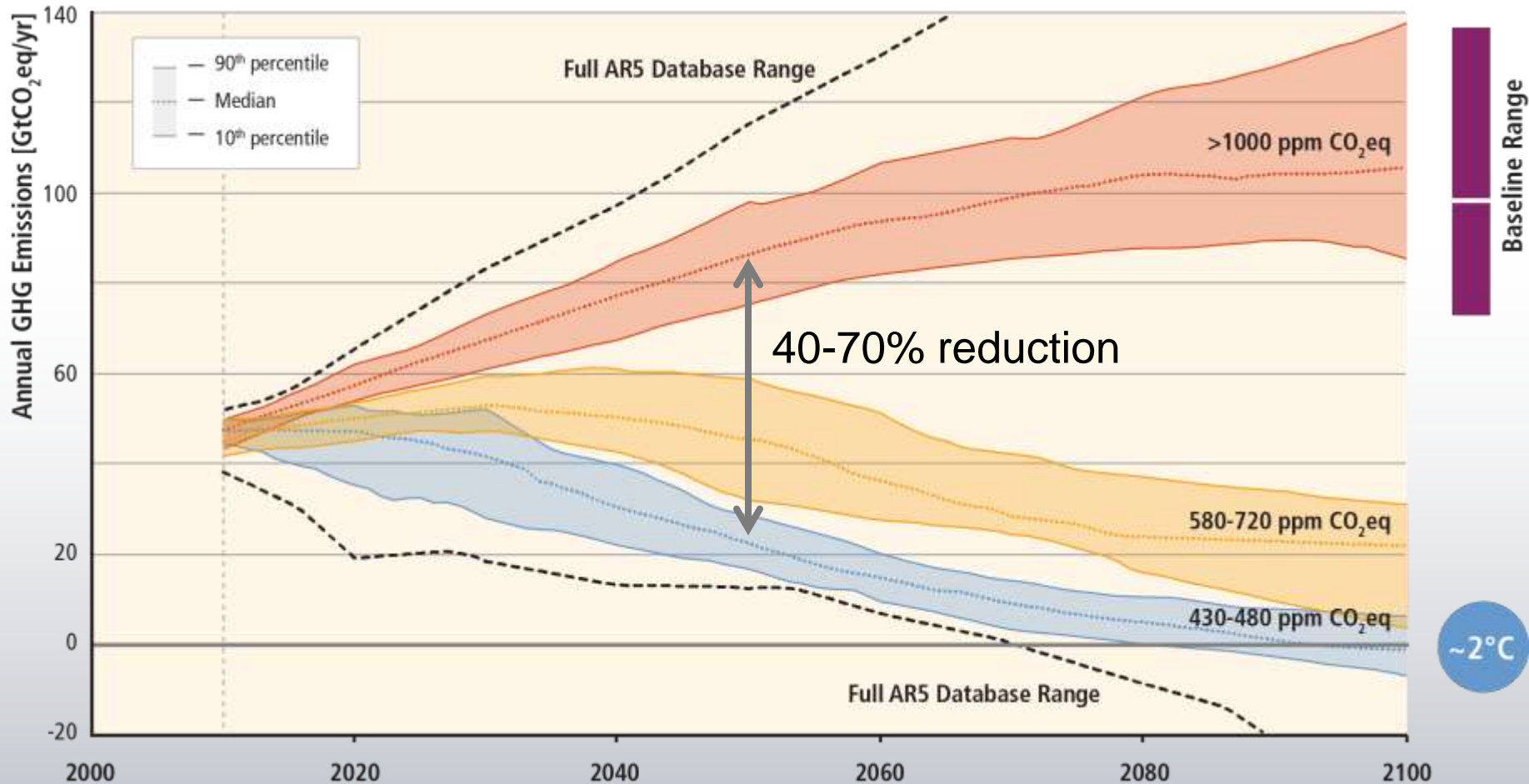
Understanding Climate Change & Enabling Climate Actions with a Special Focus on
Mountain Systems of the Hindu Kush Himalayas

Outreach event on IPCC Role and Findings, 11 Apr 2017 to 13 Apr 2017, Kathmandu (Nepal)

Emissions growth has accelerated in the last decade – driven by CO₂ from fossil fuel combustion

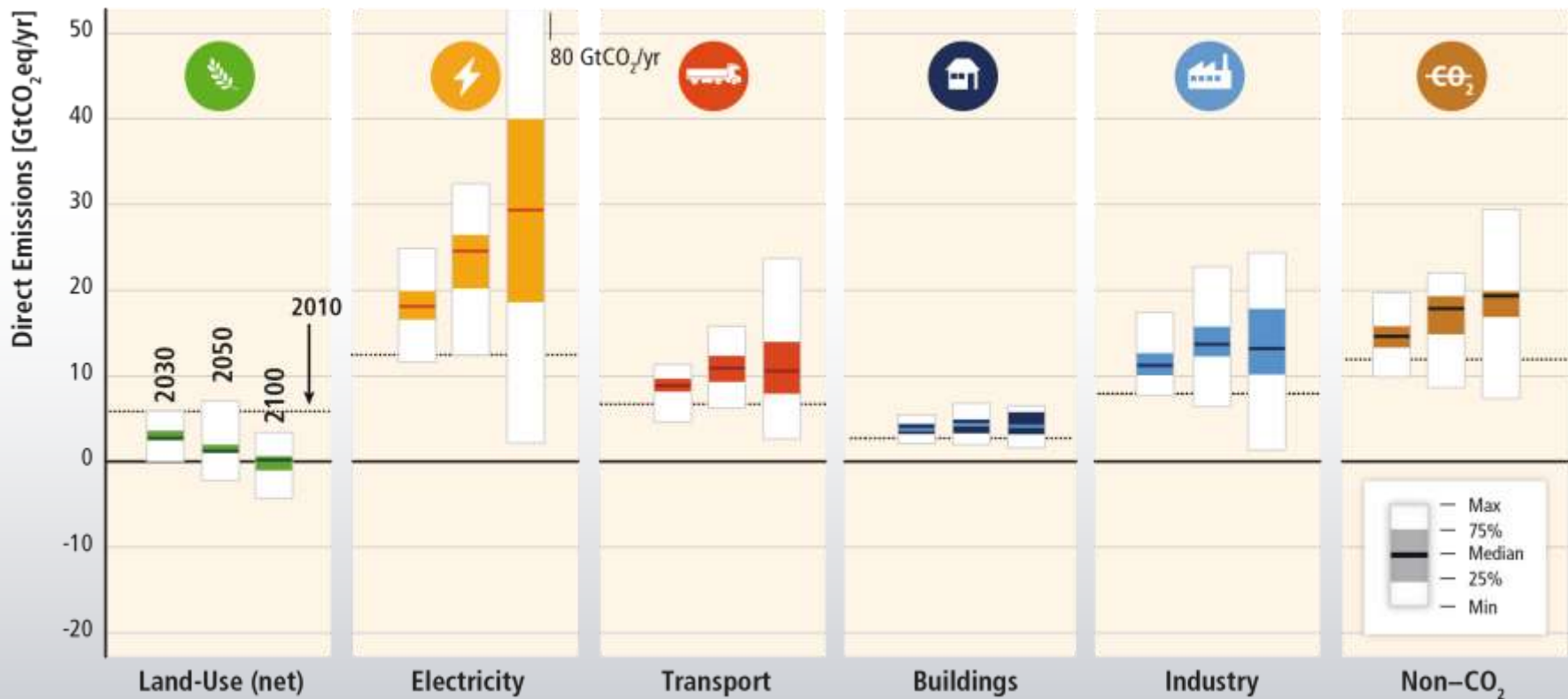


Stabilising the atmosphere means moving away from business-as-usual – regardless of how ambitious we are.

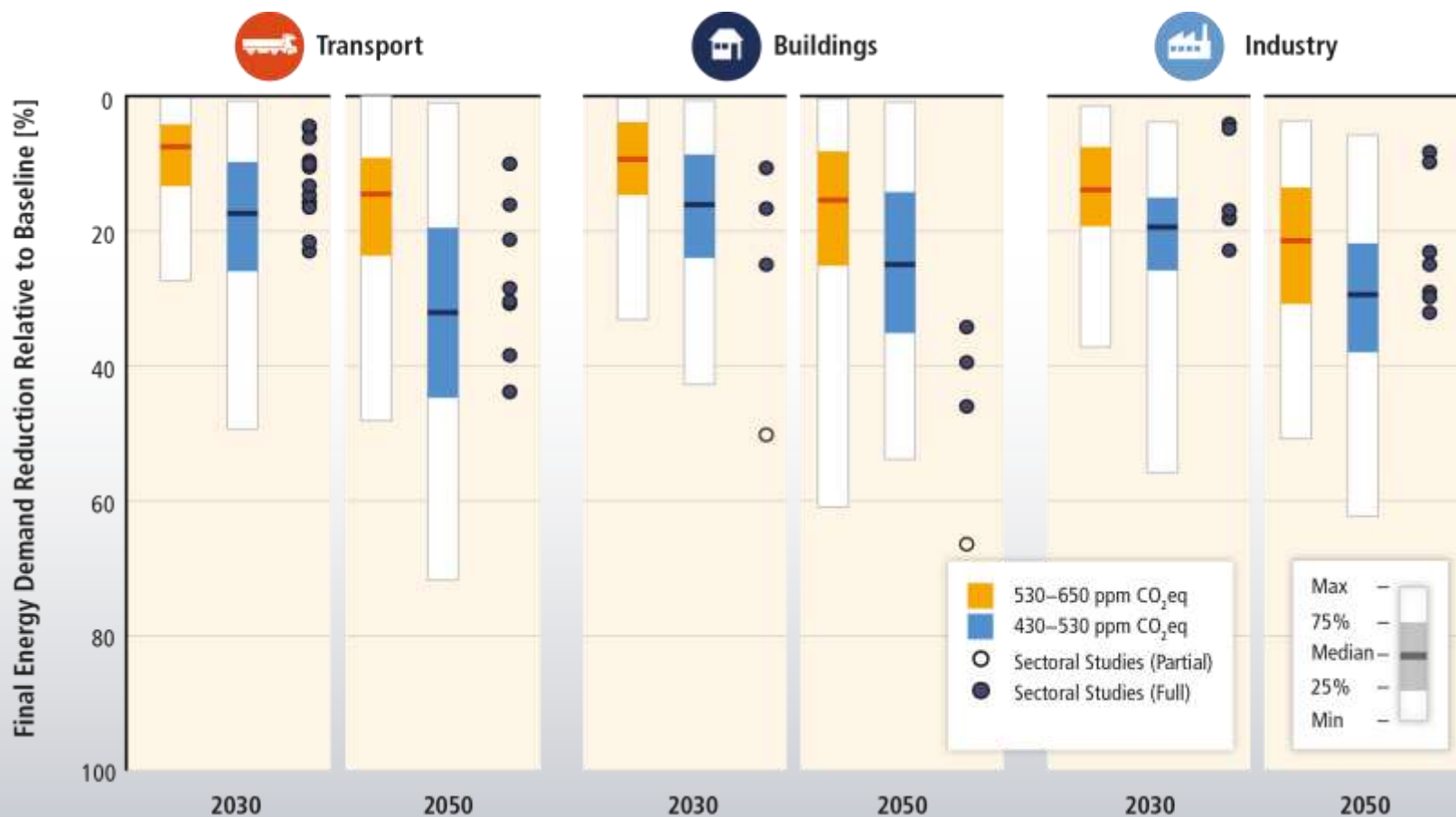


Emission patterns would need to change throughout the economy.

BASELINES

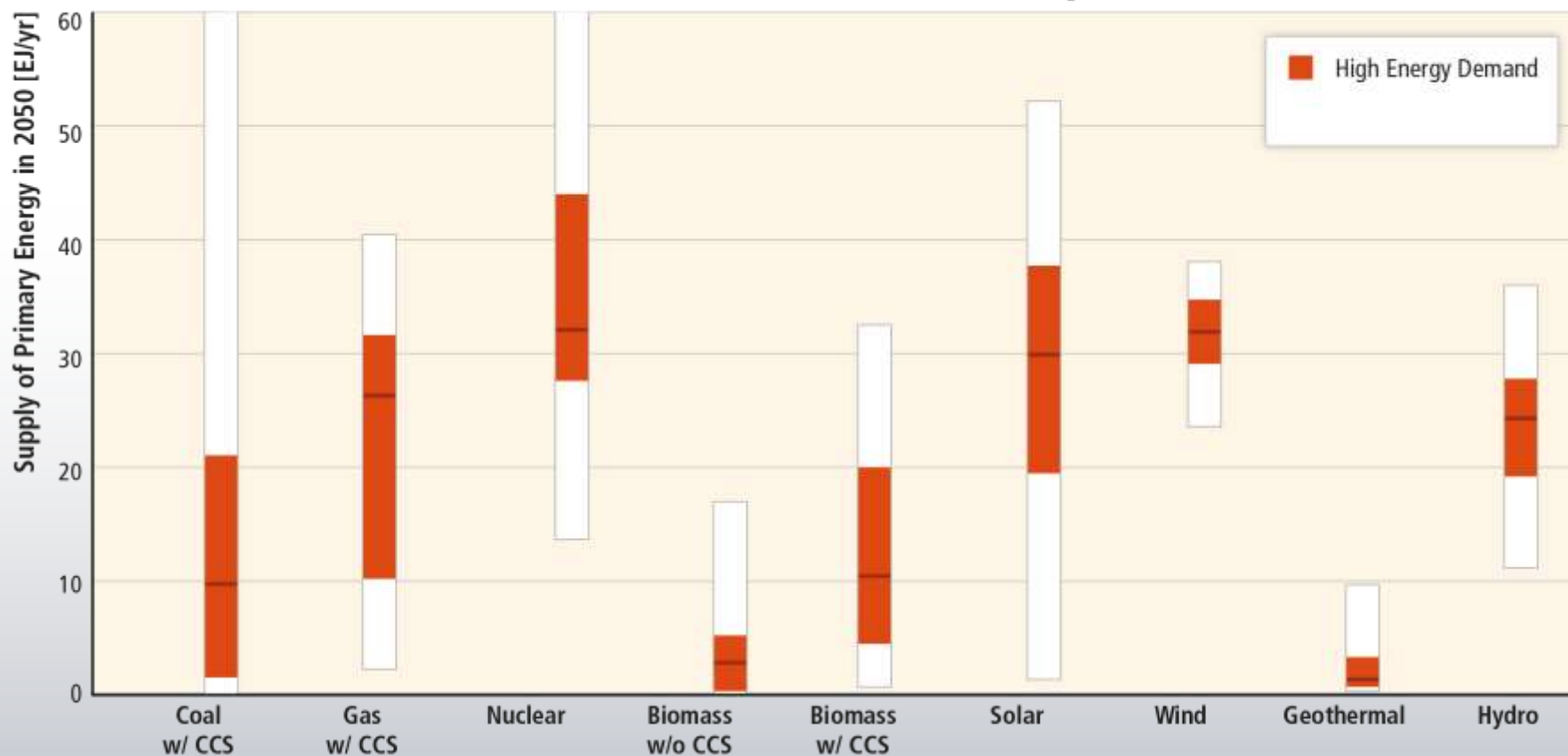


Reducing energy demand is key



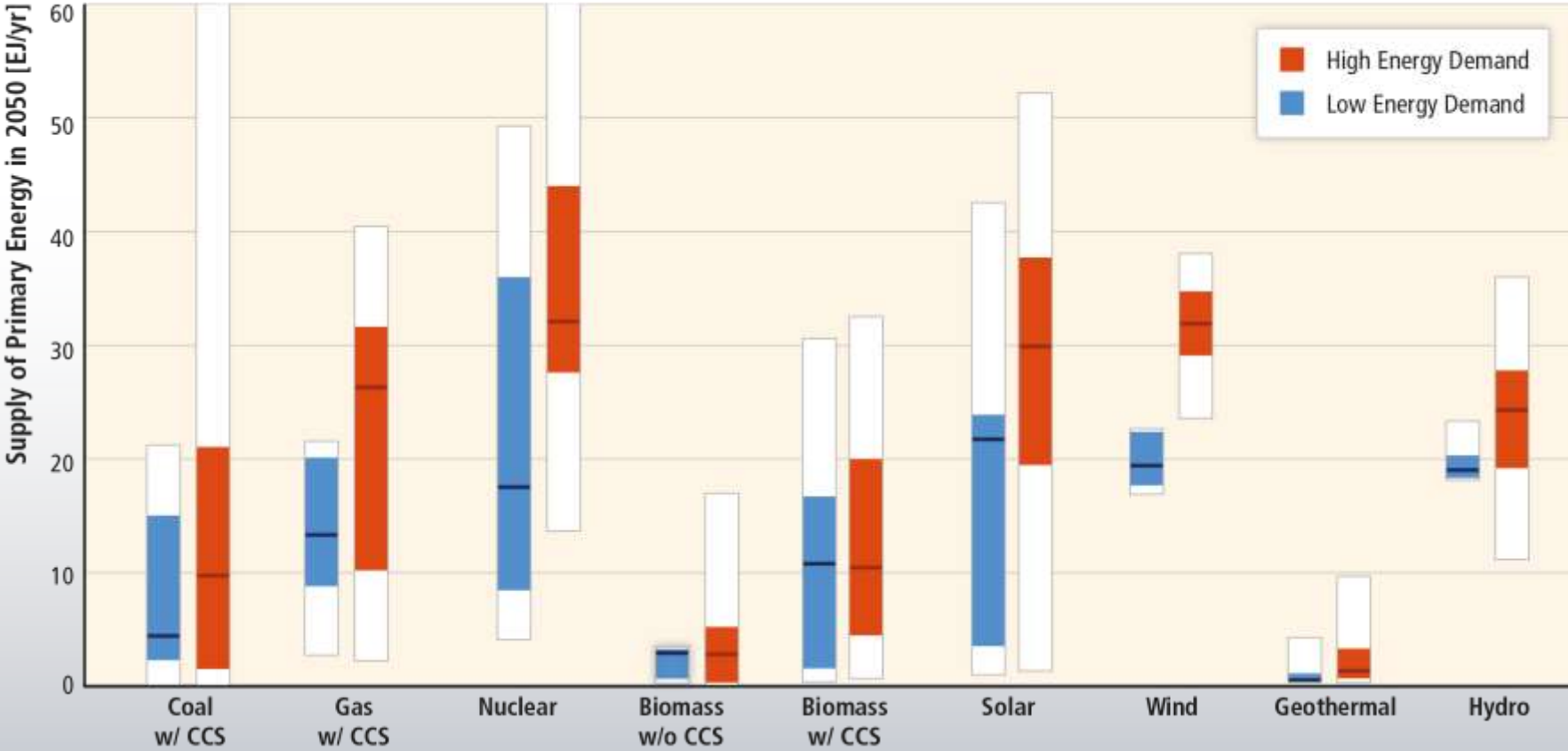
Decarbonization of energy supply would be needed.

Contribution of Low Carbon Technologies to Energy Supply (430-530 ppm CO₂eq Scenarios)

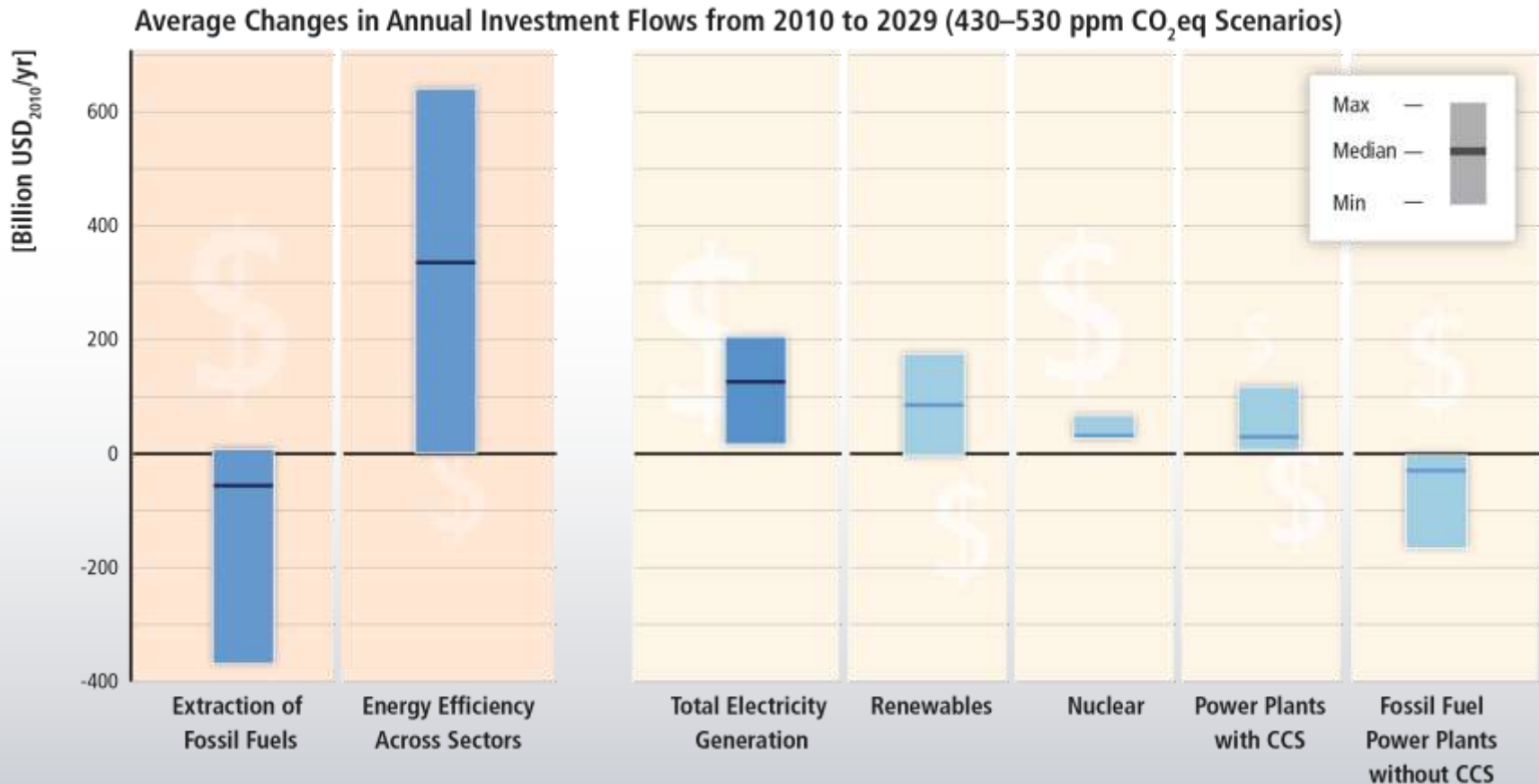


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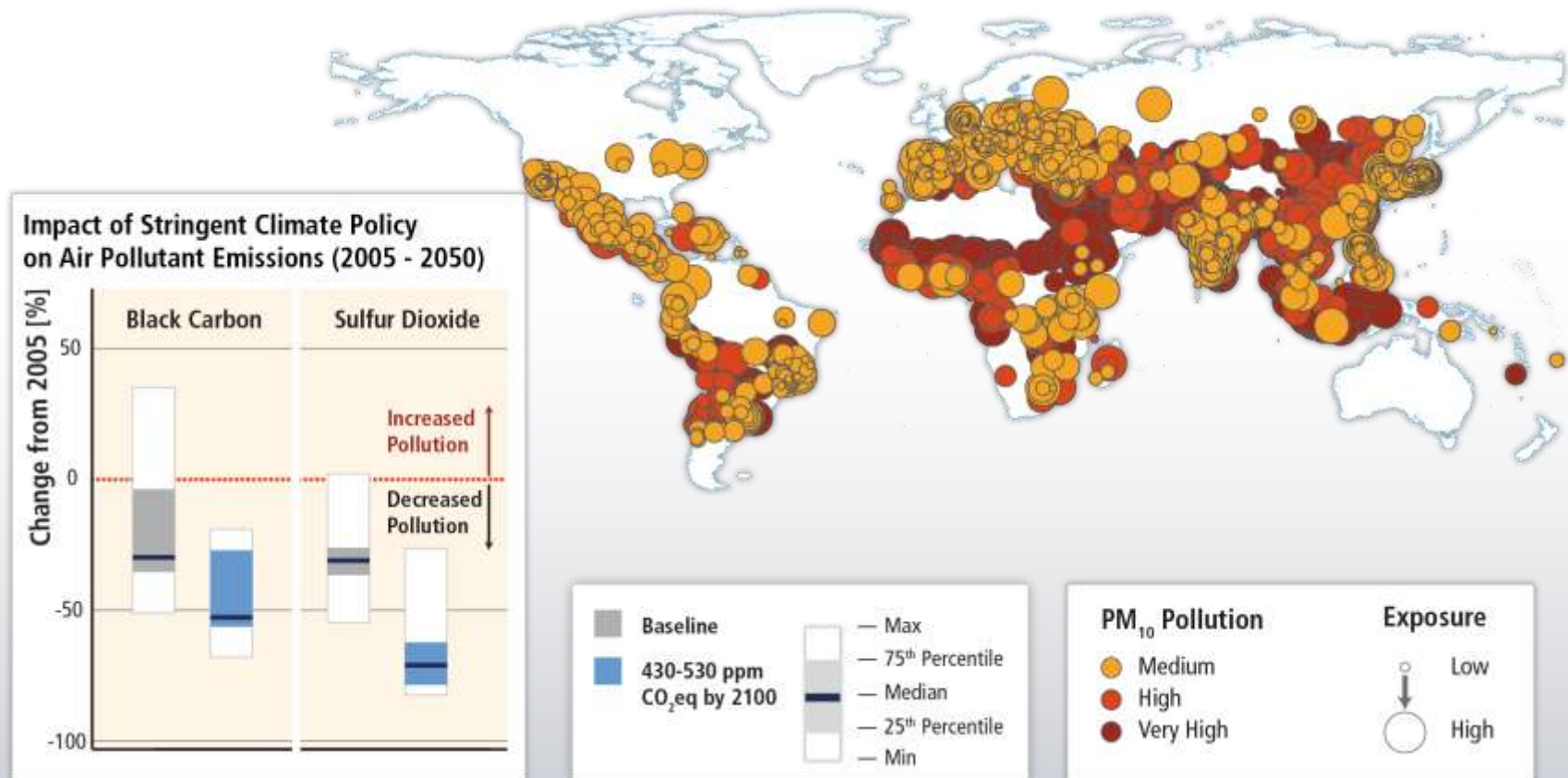
Contribution of Low Carbon Technologies to Energy Supply (430-530 ppm CO₂eq Scenarios)



Substantial reductions in emissions would require large changes in investment patterns.

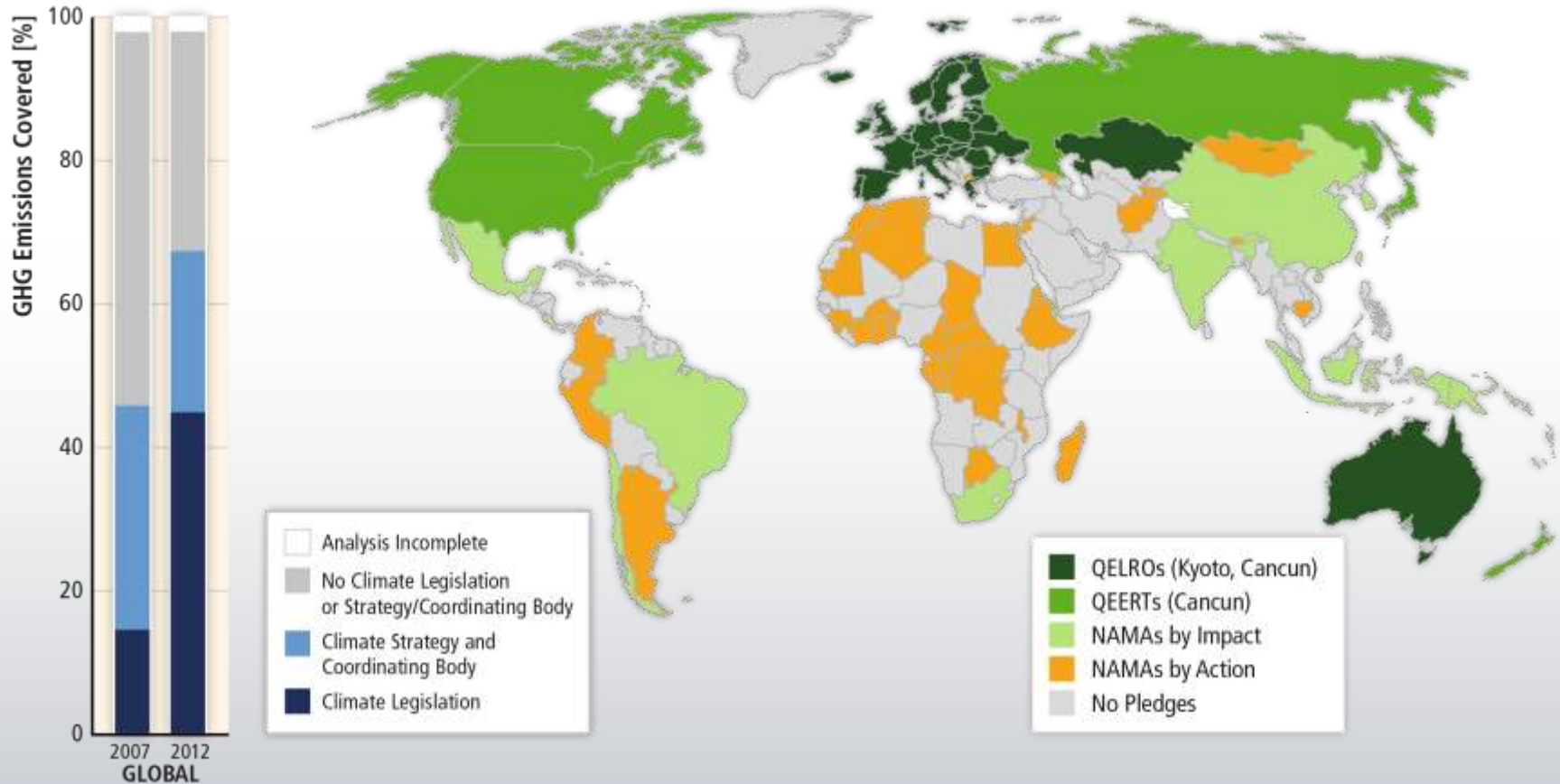


Climate change mitigation can bring co-benefits – health, energy security and other societal goals.



Based on Figures SPM.6 and 12.23

Plans and strategies have expanded since 2007.





Thank you