

2024 Climate and Clean Air Coalition Ministerial Soirée

23 September 2024

Now We Can: Supercharging Action on Super Pollutants

www.ccacoalition.org



CLIMATE & CLEAN AIR COALITION

TO REDUCE SHORT-LIVED
CLIMATE POLLUTANTS

a **UNEP** convened initiative

Climate and Clean Air Coalition Ministerial

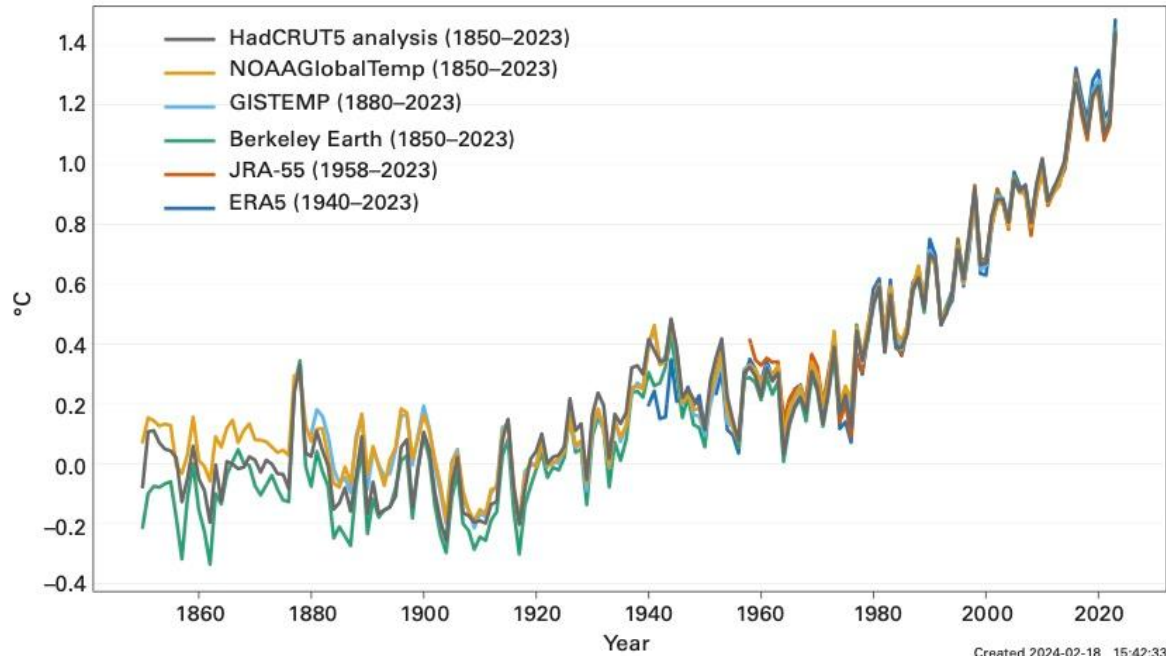
23 September 2024

The Case for Urgent Action on Super Pollutants to Avoid the Worst of the Climate Crisis

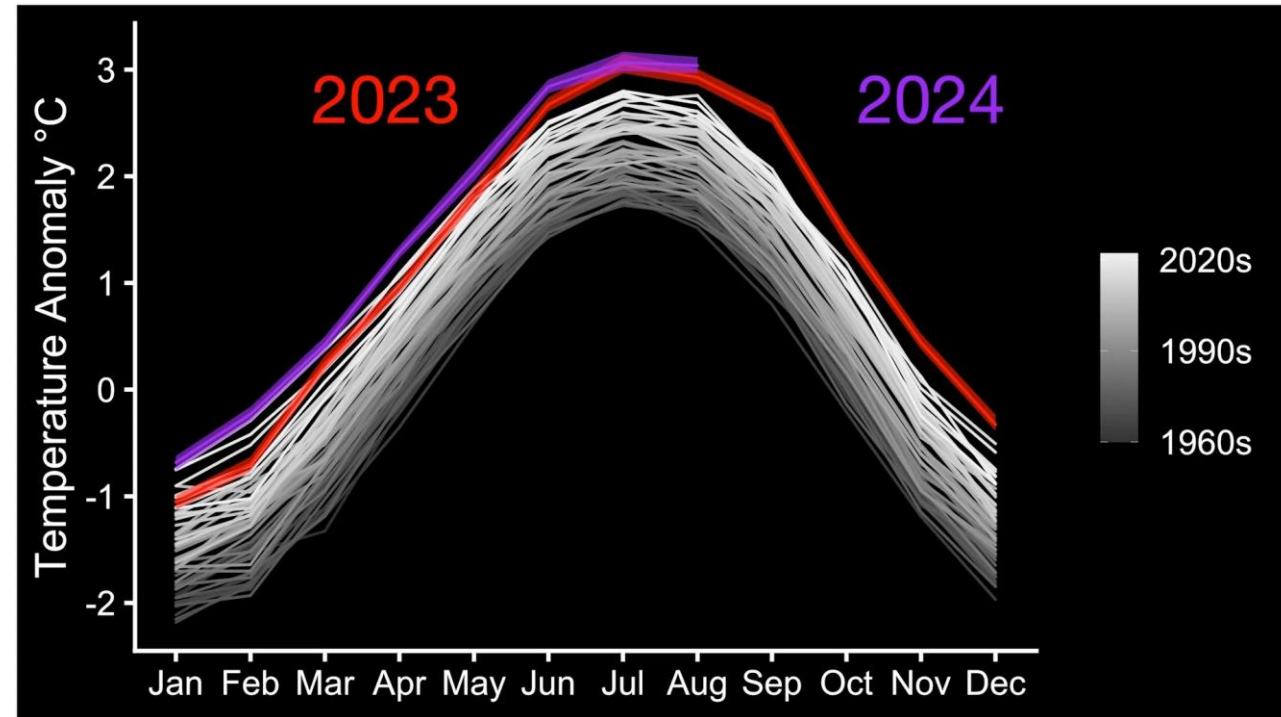
Drew Shindell, Chair CCAC Scientific Advisory Panel

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Warming isn't slowing as we near 1.5C

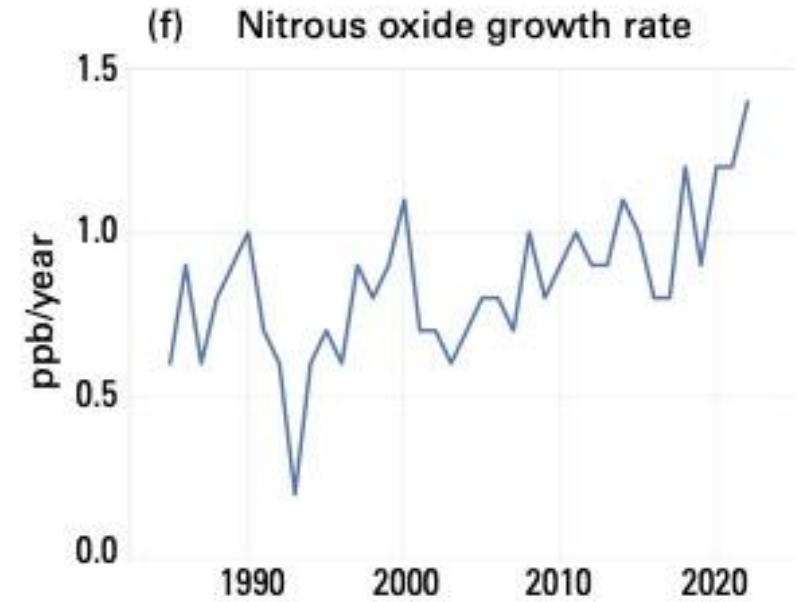
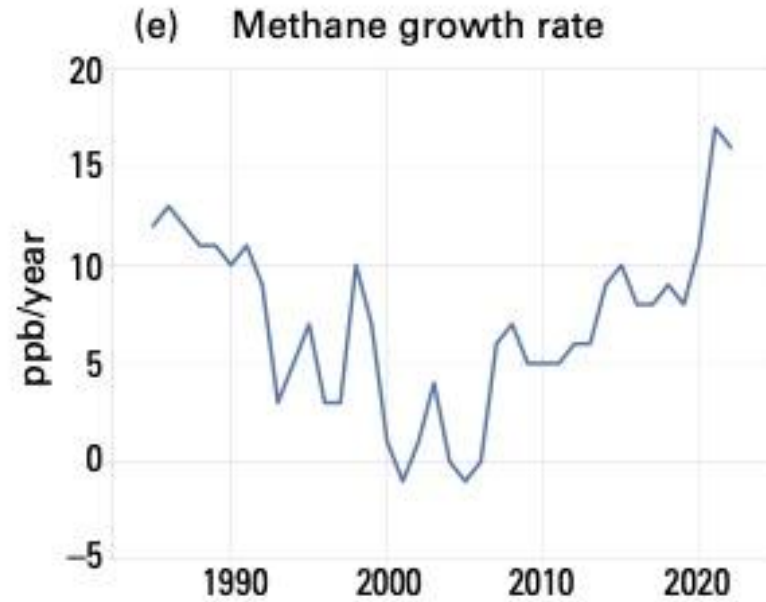
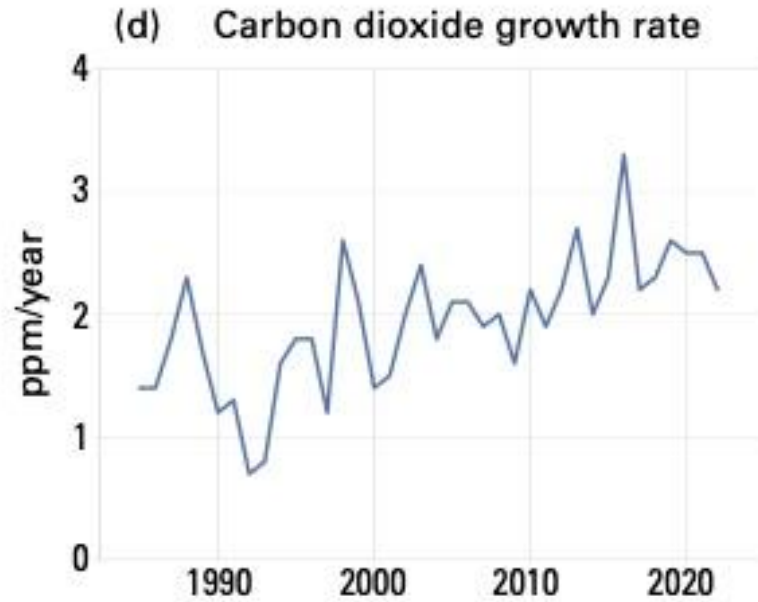


WMO, 2024



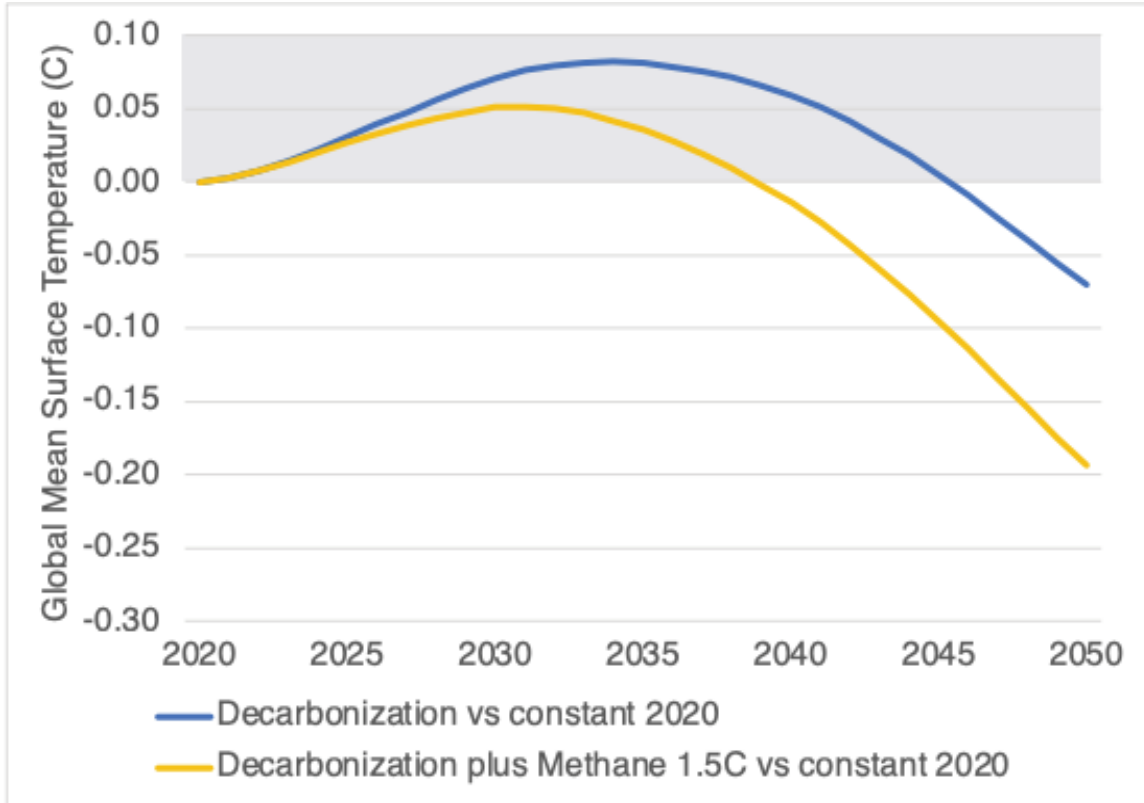
NASA GISS, 2024

Drivers are going up faster than ever

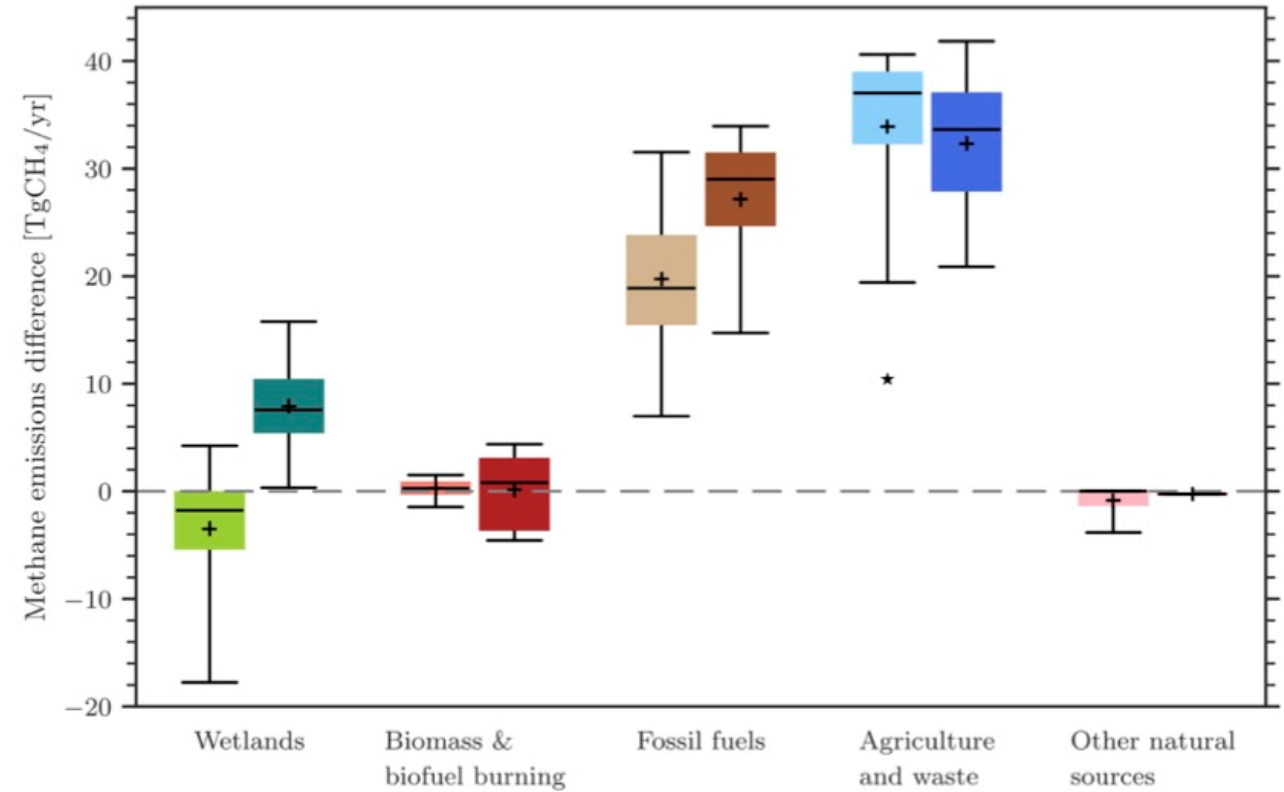


WMO, 2024

Decarbonization & Super Pollutants cuts needed

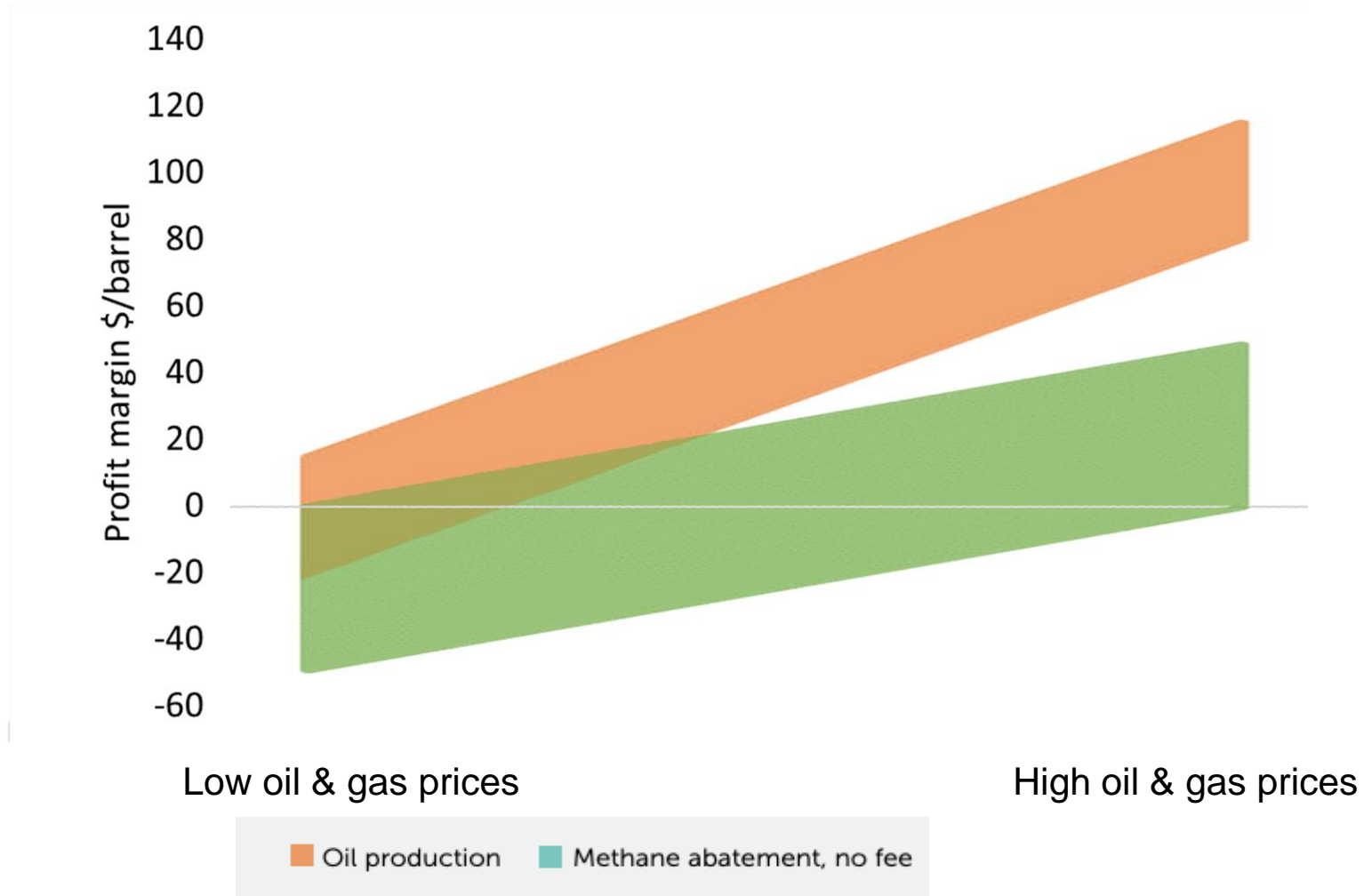


Shindell et al., FiS, 2024



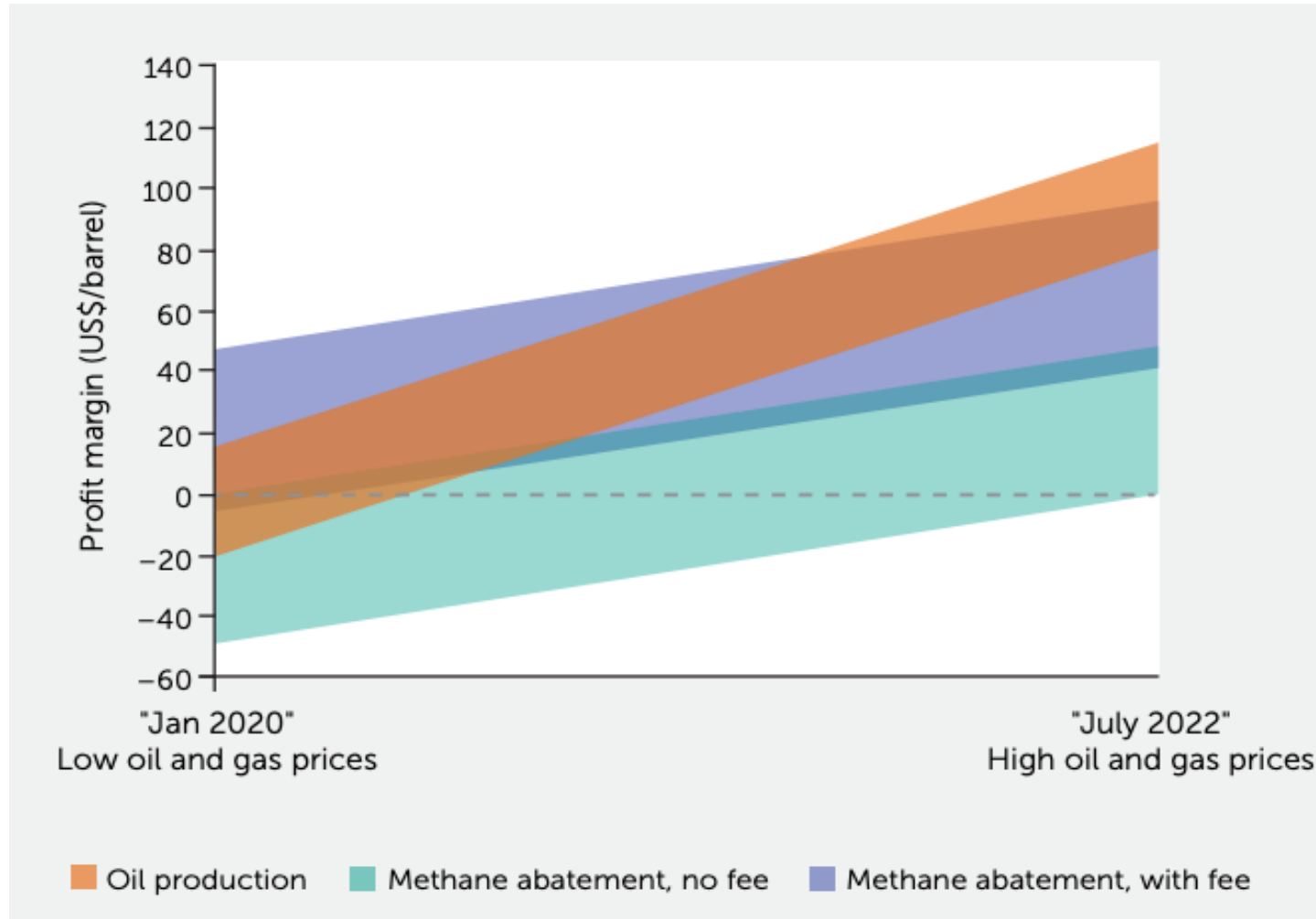
Jackson et al., ERL, 2024

The need for regulation



Shindell et al., FiS, 2024

The need for regulation



\$1500 USD/tCH₄
example fee

Shindell et al., FiS, 2024

The CCAC Scientific Assessments

2021: Global Methane Assessment

- Helped catalyze the Global Methane Pledge, now with 157 countries!

2022: Integrated Assessment of Air Pollution and Climate Change for Sustainable Development in Africa

2024: Nitrous Oxide Assessment

- Demonstrating multiple benefits of improved nitrogen management in agriculture & industry

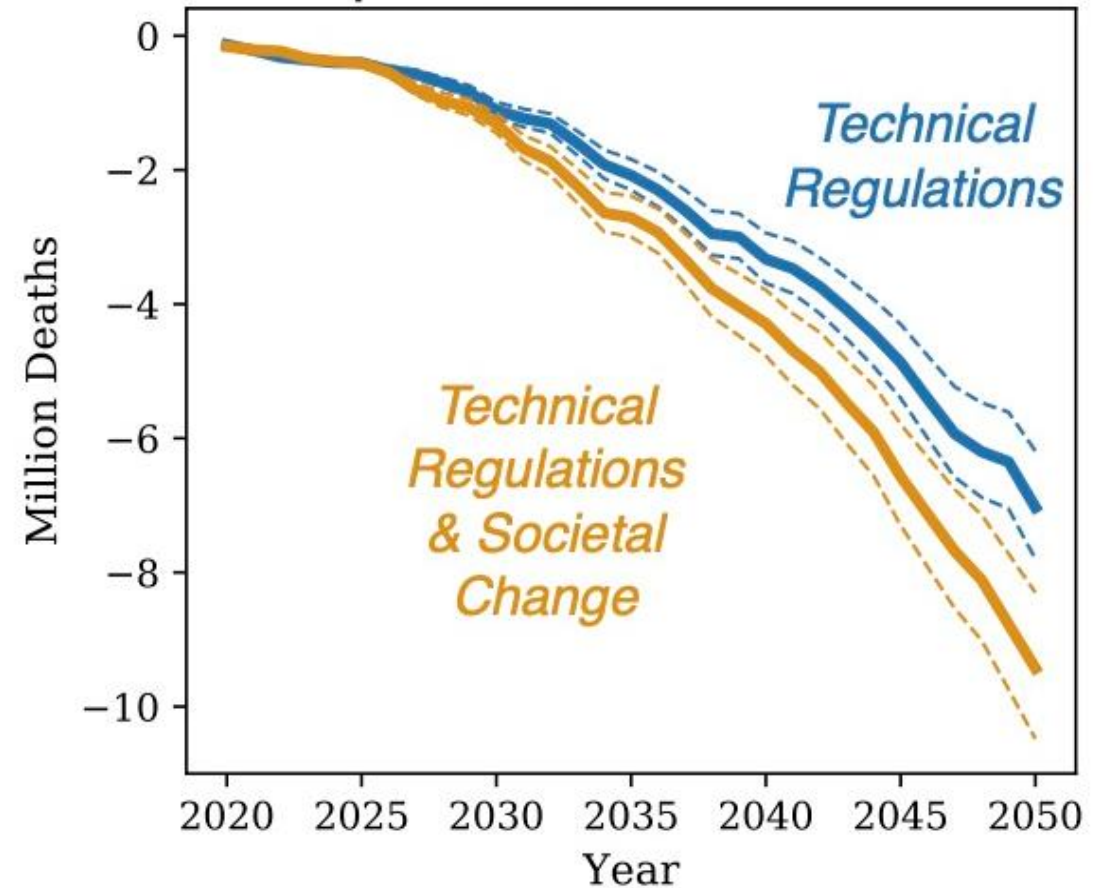
2025: SLCPs in Agriculture & Food Systems

- For COP30

2026: Economics of SLCP Abatement Assessment

- A "Stern Review" but including air pollution as well as climate change

Cumulative change in PM_{2.5}-attributable premature deaths



Thank you

Drew Shindell, Chair CCAC Scientific Advisory Panel



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