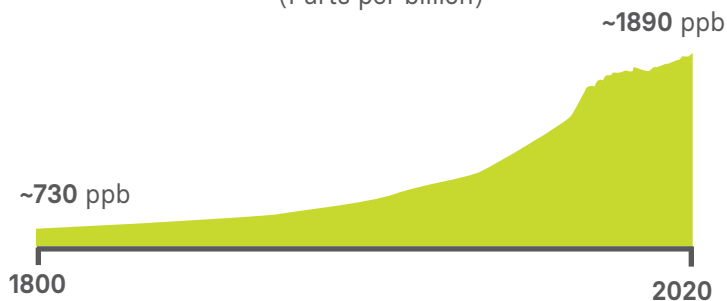


# Methane: Fast relief for climate warming

Cutting methane offers immediate climate benefits that reducing CO<sub>2</sub> alone does not.

Methane is a leading cause of current global warming. There's more methane in the atmosphere today than any time in modern history.

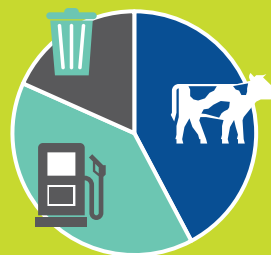
Global methane concentrations  
(Parts per billion)



Source: 2 Degrees Institute, 2021

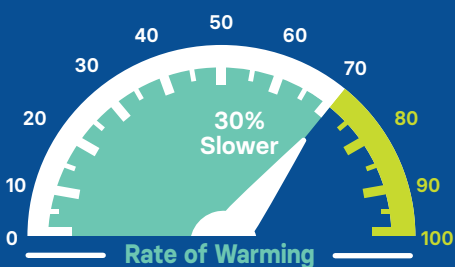
Agriculture, fossil fuels and waste management are the main sources of human-made methane.

Global sources of 2020 human-caused methane  
(Million metric tons)



- Agriculture**  
150 MMT
- Fossil fuels**  
140 MMT
- Waste**  
65 MMT

Source: International Institute for Applied Systems Analysis, 2020



Existing tech can cut emissions in half by 2030 and hit the brakes on dangerous warming.

Source: Ocko et al. 2021

This avoided warming could be the difference between a 2- and 1.5-degree world and mean:

Fully deploying these solutions could avoid .5 degrees Celsius of warming by end of century.



10 million fewer people at risk from sea level rise.



Half the number of people stressed for water.



Half the number of plant and animal species losing crucial habitat.

Source: Intergovernmental Panel on Climate Change, 2018

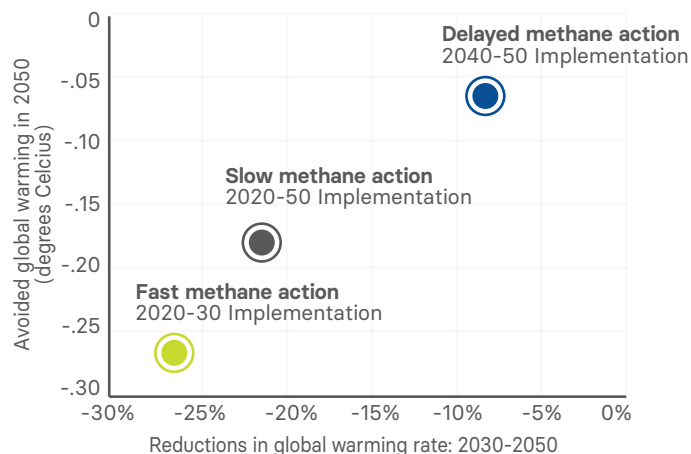
The relative roles of major sectors contributing to climate benefits from fast methane action vary greatly.



80% of no-cost actions come from the oil and gas industry

Directly cutting methane emissions provides more benefits by 2050 than methane reduced from fast decarbonisation – if we act now.

Near-term temperature benefits  
From technically feasible methane mitigation efforts



Source: Ocko et al. 2021