



THE ROLE OF GGRS IN NET ZERO: UK GOVERNMENT VIEW

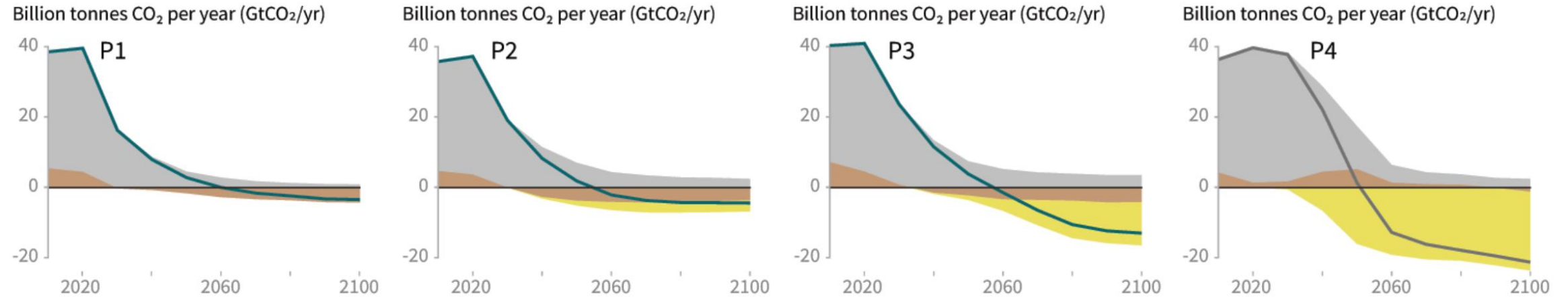
Department for Business, Energy
and Industrial Strategy

Laura Hurley

September 2020

Global Policy Context

● Fossil fuel and industry ● AFOLU ● BECCS



All pathways that limit global warming to 1.5°C with limited or no overshoot project the use of carbon dioxide removal (CDR) on the order of 100–1000 GtCO₂ over the 21st century.

Source: IPCC SR1.5

Technology Options



Afforestation



Habitat restoration



Biochar



Soil carbon sequestration



Bioenergy with carbon capture and storage (BECCS)



Building with biomass



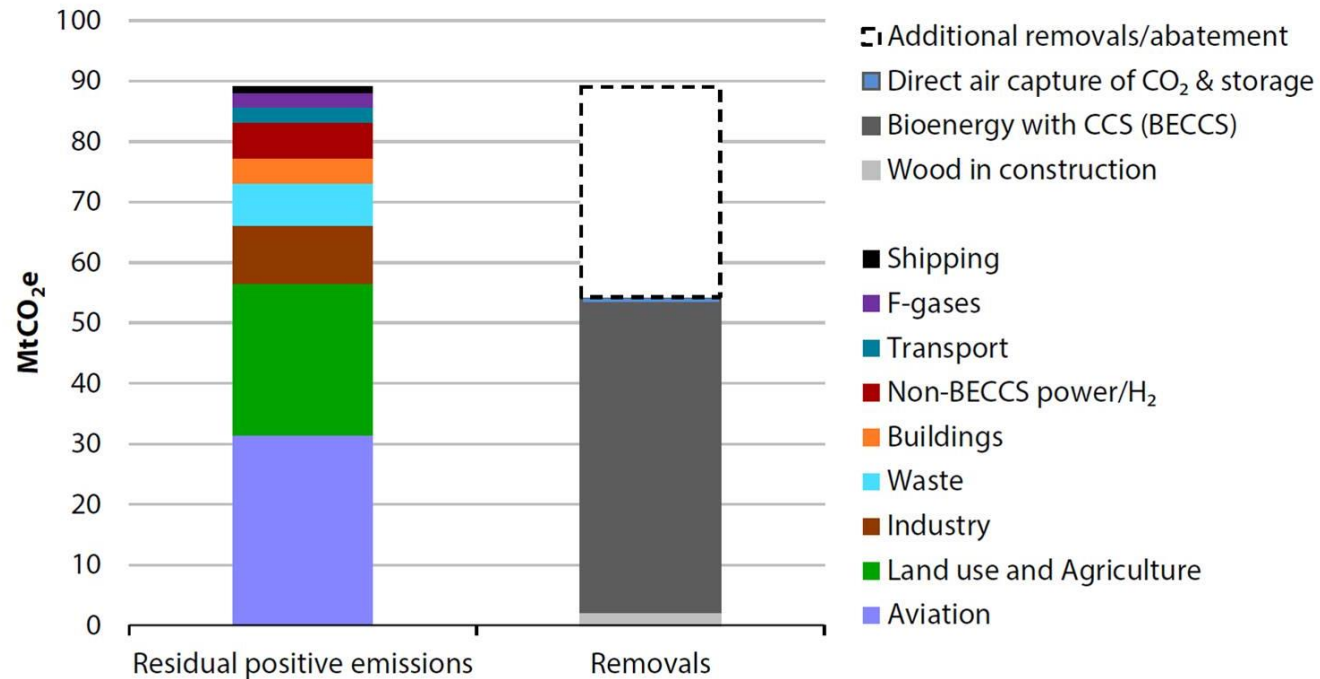
Direct air capture with carbon storage (DACCS)



Enhanced weathering



Scenario to reach net zero in the UK in 2050



Source: CCC analysis.

Notes: Sectoral emissions and contributions from removals presented for the Further Ambition scenario. The contribution from 'additional removals/abatement' refers to the options to go beyond the Further Ambition scenario and achieve net-zero emissions, which can be done with additional removals and/or further reductions of positive emissions (see Chapter 5).