

THE ROLE OF CCS FOR ATTAINING LONG TERM CLIMATE STABILIZATION

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This talk will describe the role that CCS plays in long term scenarios which assess the transformation pathways consistent with long term climate stabilization. I will describe how integrated assessment models describe CCS, and what are the main results in terms of future scenarios. The role of CCS will be assessed with respect to the stringency of long term temperature targets. We will discuss which fuels and which technologies models foresee as the most important one. Finally, I will describe the role of CCS based carbon dioxide removal (CDR), and its role for reaching low targets such as 1.5 and 2°C.