

The importance of geoscientists through the energy transition: Carbon Capture, Use, and Storage project development

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Carbon Capture, Use and Storage (CCUS) is projected to be required to store 10% of the global emission reductions needed for the world to reach the Paris goals of limiting warming to well below 2 degrees Celsius by the end of the century, at the lowest cost to society. Integrated Energy Companies can provide the engineering, subsurface, and project management experience to help deliver this goals. This will require a significant effort by geoscientists to explore for, appraise and develop the pore space needed to safely contain 7Gtpa of CO₂ by 2060, compared to only 0.03Gtpa at the present day. This talk will review existing CCUS projects globally, the next round of CCUS projects being developed and the elements needed to create a successful CO₂ storage project.