

A review of global carbon capture and storage (CCS) and carbon capture, utilization, and storage (CCUS)

ABSTRACT

To attain zero carbon emissions while combating climate change, this paper presents an overview status of the global carbon capture and storage (CCS) in four main worldwide regions: North America, Europe, Russia & Central Asia, and Asia Pacific. The main countries for each region are discussed in terms of their respective field, CCS, CCS-enhanced oil recovery (CCS-EOR), carbon capture, utilization, and storage (CCUS), and the concerned issues, e.g., policy, regulation, operational approaches, current progress, problems, and lessons. In the end, this study summarizes the final potential of the global CCS in achieving the Sustainable Development Goals (SDG).