

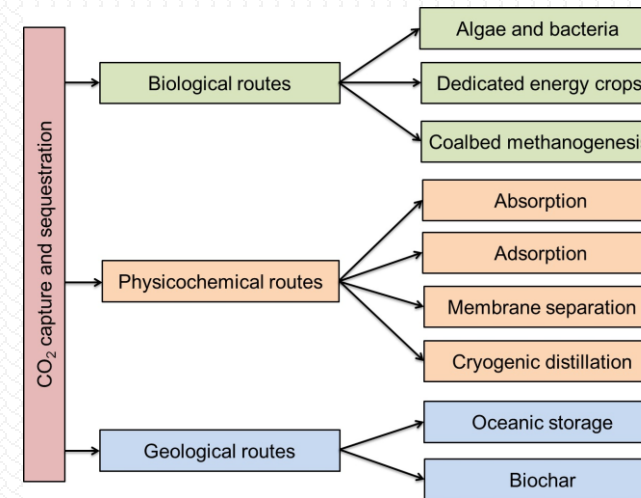
Green house gas emissions

Current global energy system majorly depends on combustion of fossil fuels. Burning fossil fuels for electricity, heat and transportation is a major source of greenhouse gas emissions. Further, energy-intensive industries such as cement, steel, chemicals, and many other manufacturing sectors are also reasons for GHG emissions.

Greenhouse gases have far-ranging environmental and health effects. They cause climate change by trapping heat, and they also contribute to respiratory disease from smog and air pollution. Extreme weather, food supply disruptions, shifting wildlife populations and habitats, rising seas, increased wildfires are other effects of climate change caused by greenhouse gases.

Technical solutions are needed to reduce GHG emissions. Efficient detection, capture, utilization, and storage or alternate technologies to fossil fuels are key technological approaches to reduce the GHG emissions.

Many breakthrough innovations related to reduction of GHG emissions are patented, commercialized in last decade (solvent based technologies, sorbents and looping systems, membranes, efficient combustion technologies, etc.) by many note worth companies, start-ups, etc.



Progressive routes for carbon capture and sequestration - Energy Science & Engineering, Volume: 4, Issue: 2, Pages: 99-122

We at DHI-QUEST can provide insights and help businesses to find efficient technologies or companies to partner with or companies to fund or provide due diligence on selected partners.

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