



Methane hydrate as raw material

Advantageous exchange of gas

Methane, the main constituent of natural gas, is the most environmentally friendly fossil energy source as gas power plants do not emit much pollution and are easy to control. There are immense deposits of methane hydrate on the seabed, which could be used to produce methane gas for energy generation. In exchange, the harmful CO₂ greenhouse gas could be stored as gas hydrate. In the SUGAR project (Submarine gas hydrate reservoirs: exploration, exploitation and transport), which brings together 30 partners from industry and science with support from the German Federal Ministries of Economics and Technology (BMWi) and Education and Research (BMBF), scientists aim to develop new technologies to exploit this potential.

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