

Potential of Portuguese CO₂ geological sequestration

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ABSTRACT

Portugal to meet the commitments under the Kyoto Protocol and the Agreement on sharing of responsibilities within the European Union has been making efforts through the National Program for Climate Change, to control and reduce of Greenhouse Gas Emissions.

Whiting of these measures is extremely important to find the techniques and procedures for reducing the greenhouse gases emission and mainly CO₂. The CO₂ geological sequestration would make a great contribution in the fight against this delicate problem.

The CO₂ geological sequestration has been giving interesting results in many countries of the world with relatively acceptable cost and has operated mainly in local or depletion of reserves of oil and gas in deep saline formations.

Portugal is oil and gas importer country, so now there is not possibility of storage in oil or gas fields, but there is great potential for sequestration in saline and porous rock formations.

In this work presented the result of initial research actions about the potential of Portuguese CO₂ geological sequestration in saline and porous rock formations.

Keywords: Geological, sequestration, potential, saline and porous rock.

Proposed Topic: Diagnostic