

A I G E

Associazione Italiana Gestione Energia

Italian Association for Energy Management

National Seminar

“From Kyoto to CO₂ storage”

Bologna, 28 FEBRUARY 2006

Aula Prodi – San Giovanni in Monte 2 – Bologna

The use of fossil fuels has led and will continue to lead in the medium term, to a significant increase in carbon dioxide concentration in the atmosphere. According to specialists, this is the main cause of the so-called greenhouse effect. If we consider it necessary to continue the recent massive use of fossil fuels but want at the same time to reduce the greenhouse effect, the problem is to reduce drastically carbon dioxide emission into the atmosphere. Considering the amount of world carbon dioxide emission, one of the few possible solutions seems to be underground storage of carbon dioxide.

SEMINAR PROGRAMME

- 9.00 - 9.30 Registration
- 9.30 - 10.00 Greetings from the local authorities
- 10.00 - 10.15 The Kyoto Agreements: results and consequences
Giorgio Vicini (ENI – National Hydrocarbons Corporation – E&P Division)
- 10.15 - 10.30 CO₂ producers and possible improvements
Enrico Lorenzini (University of Bologna/AIGE)
Davide Tabarelli (RIE)
- 10.30 - 10.45 CO₂ storage options: technical aspects and costs
Alessandro Bianchi (RIE)
Paolo Macini (University of Bologna)
- 10.45 - 11.00 Interest in underground CO₂ storage for the activity of Edison Stoccaggio
Luigi Ortolani (Edison Stoccaggio)
Giuseppe d'Alì (Edison Stoccaggio)
- 11.00 - 11.15 Potentialities of and constraints on CO₂ storage: use of CO₂ as a cushion gas
Claudio Alimonti (University of Rome “La Sapienza”)
Ugo Bilardo (University of Rome “La Sapienza”)
Fernanda Panvini (University of Rome “La Sapienza”)
- 11.15 - 11.30 Toxicological and environmental characteristics of CO₂
Maria Augusta Righi (University of Bologna/AIGE)
- 11.30 - 11.45 Geological and geophysical aspects of CO₂ storage
Vincenzo Picotti (University of Bologna)
Francesco Mulargia (University of Bologna/AIGE)
- 11.45 - 12.00 Separation of CO₂ from fumes
Carlo Stramigioli (University of Bologna)
- 12.00 - 12.15 Engineering problems and technologies in CO₂ storage
Giovanni Brighenti (University of Bologna/AIGE)
Ezio Mesini (University of Bologna/AIGE)
- 12.15 - 12.30 Geological confinement of CO₂: international, European and Italian initiatives
Sergio Persoglia (OGS – Trieste)
- 12.30 - 13.30 Debate and conclusions