



The Abdus Salam
International Centre for Theoretical Physics



Joint ICTP-IAEA Meeting
on
**Technical and Environmental Issues Related to
Geological Storage of Carbon Dioxide and Nuclear
Wastes**
14 – 18 April 2008
Trieste - Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy in collaboration with the International Energy Agency (IAEA), Vienna, Austria is organizing a Meeting on Technical and Environmental Issues Related to Geological Storage of Carbon Dioxide and Nuclear Wastes, to be held at ICTP from 14 to 18 April 2008.

Considerable efforts are underway to develop Carbon Capture and Storage (CCS) technologies to make the use of fossil fuels “carbon-free”. While carbon capture is a routine industrial process, the large scale application needed for the electricity generation from fossil fuels is a challenging task. Furthermore, there is little technical experience on long-term storage of carbon dioxide in geological structures. Nuclear industry, on the other hand, has developed over the years sound techniques for ultimate disposal of nuclear wastes. There is already some experience with disposal of low and medium level radioactive wastes. The CCS and nuclear industry can benefit from each other to resolve technical and environmental issues related to ultimate disposal of wastes.

This meeting will bring together earth scientists, environmentalists, technologists from CCS and nuclear disciplines, to share state-of-the-art knowledge from cross-cutting areas and will provide direction for future research.

Purpose of the Meeting

The main purpose of the meeting is to discuss the state-of-the-art technological developments for carbon dioxide and nuclear wastes disposal, technological similarities, scientific uncertainty and environmental issues. Group discussion will clarify differences and similarities of these technologies, and will help in the elaboration of research work for future in this area.

Topics to be covered by the Meeting

The state-of-the-art technological developments for CO₂ and nuclear wastes disposal.

- CO₂ Storage options
- Scientific uncertainties and monitoring issues
- Lessons learned from nuclear wastes disposal
- Health, ecological, and environmental issues.

Participation

The meeting is open to about 15 scientists. The participation will be by invitation to renowned scientists from all countries, which are members of the United Nations, UNESCO or IAEA. Limited funds are available for some participants who are nationals of, and working in, a developing country. Such support is available only for those who attend the entire activity. There is no registration fee.

Enquires about the participation and other information should be addressed to:

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PARTICIPATION

Upon invitation only