



Course on CLIMATE VARIABILITY STUDIES IN THE OCEAN “Tracing and Modelling the Ocean Variability”

16 - 27 June 2003

Miramare, Trieste, Italy

The **Course on Climate Variability Studies in the Ocean “Tracing and Modelling the Ocean Variability”** is the first of a series of three courses in ocean studies to be held over a three-year period. This edition is being jointly organized by the Abdus Salam International Centre for Theoretical Physics [ICTP] and the International Atomic Energy Agency [IAEA, Vienna].

Topics to be covered:

- **Overview of Climatic Variability in the Atmosphere and Ocean**
 - Physical Aspects
 - Bio-geo-chemical Aspects
- **Evidencing of Climate Variability**
 - Instrumental Evidences
 - Evidences from Proxy Data
- **Numerical Modelling for the Simulation of Ocean/Atmosphere Variability**
 - General Circulation Modelling
 - Modelling of Isotope Dispersion

The course will consist of key lectures presented by invited speakers. Course participants are invited to make oral or poster presentations of their research relevant to ocean/climate.

PARTICIPATION

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the course. As it will be conducted in English, participants should have an adequate working knowledge of this language. Although the main purpose of the Centre is to help research workers from developing countries, through a programme of training activities within a framework of international cooperation, a limited number of students and post-doctoral scientists from developed countries are also welcome to attend.

As a rule, travel and subsistence expenses of the participants should be borne by the home institution. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend the entire activity. There is no registration fee.

The **Application Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/> (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **7 March 2003** to:

Course on Climate Variability Studies in the Ocean
smr1507 (c/o Lisa Iannitti)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy.

or

<mailto:smr1507@ictp.trieste.it>

(please save and send file attachments in RTF format)

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ICTP Home Page: <http://www.ictp.trieste.it/~smr1507>

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LOCAL ORGANIZERS

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LECTURERS include:

- **A. Busalacchi** (University of Maryland, USA)
- **R. Danovaro** (University of Ancona, Italy)
- **A. Lascaratos** (University of Athens, Greece)
- **J. Marshall** (MIT, USA)
- **R. Murtugudde** (University of Maryland, USA)
- **M. Nakano** (Japan Nuclear Cycle Development Institute)
- **J. Pedlosky** (WHOI, USA)
- **R. Rivkin** (University of Newfoundland, Canada)
- **J. Sachs** (MIT, USA)
- **D. Tsumune** (CRIEPI, Japan [presently at NCAR, USA])
- **R. Williams** (University of Liverpool, United Kingdom)

APPLICATION DEADLINE

7 March 2003

