

European Science Foundation
Standing Committee for Life, Environmental and Earth Sciences (LESC)

ESF LESC EXPLORATORY WORKSHOP

**MEDCLIVAR:
Mediterranean Climate Variability
and Predictability**



**ENEA
Rome, Italy, 16-19 May 2004**

**Convened by:
Piero Lionello^① and Roberta Boscolo^②**

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The European Science Foundation (ESF) acts as a catalyst for the development of science by bringing together leading scientists and funding agencies to debate, plan and implement pan-European scientific and science policy initiatives.

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ESF LESC Exploratory Workshop:

MEDCLIVAR: Mediterranean Climate Variability and Predictability
Rome, Italy, 16-19 May 2004

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Workshop Background and Objectives:

The climate variability in the Mediterranean basin has strong interannual to decadal features. The physical processes responsible for these changes seem to be both local -such as changes in the surface properties and land use- and global -such as changes in the large scale atmospheric circulation associated to global warming, (NAO, tropical monsoon and ENSO). From the societal perspective, the impact of climate change in the Mediterranean will affect a densely populated region. It seems timely from both a scientific and societal point of view to attack the issue of Mediterranean Climate Trends and Variability.

A main purpose of the workshop is to contribute to the development a scientific program for a Mediterranean Climate Variability project (MedCLIVar):.



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PRELIMINARY PROGRAMME

Sunday 16 May 2004

Evening *Arrival*

Monday 17 May 2004

08.45 *Introduction and welcome*
Piero Lionello and **Roberta Boscolo**

Presentation of the European Science Foundation (ESF)
D. Altiner (Standing Committee for Life and Environmental Sciences)

09.00 **Past and Present trends of Mediterranean Climate**
coordinator: **J.F. Gonzalez**

11.00 **Tropics and Mediterranean Climate variability**
coordinator: **P. Alpert**

13.00 *Lunch*

14.00 **Mid-Latitudes and Mediterranean Climate Variability**
coordinator: **E. Zorita**

16.00 **Mediterranean Sea Level and Circulation**
coordinator: **M. Tsimplis**

20.00 *Dinner*

Tuesday 18 May 2004

09.00 **Weather Patterns and Climate**
coordinator: **P. Lionello**

11.00 **Mediterranean Water and the North Atlantic Deep Cell**
coordinator: **V. Artale**

13.00 *Lunch*

14.00 **Modelling of Mediterranean Regional Climate**
coordinator: **L. Li**

16.00 Discussion
coordinator: **P. Malanotte-Rizzoli**

20.00 *Dinner*

Wednesday 19 May 2004

09.00 Summaries by the coordinators and discussion (continued)

12.00 *Lunch*

13.00 meeting ends



European Science Foundation

Objectives of the ESF Standing Committee for Life, Environmental and Earth Sciences (LESC)

The main objectives of the **ESF Standing Committee for Life and Environmental Sciences (LESC)** are:

1. to identify and promote emerging scientific topics and high quality science deserving special attention in Europe;
2. to manage a wide ranging portfolio of activities of the European Science Foundation;
3. to examine and report on issues of strategic scientific importance within its fields of competence.

This committee's sphere of activities comprises the broad field of life, earth and environmental sciences:

- Biology
- Agriculture
- Earth sciences
- Climate research
- Glaciology
- Oceanography
- Environmental sciences
- Biotechnology, etc.

ESF Standing Committees support a limited number of **Exploratory Workshops** each year. These workshops allow leading European scientists to explore novel ideas at the European level with the challenging aim to "*spearhead*" new and preferably interdisciplinary areas of research. Further details are available on the internet at <http://www.esf.org/workshops>.

One desirable outcome of an ESF Exploratory Workshop may be that participants submit **high quality proposals for further ESF activities** (such as "à la carte Programmes" or a EUROCORES initiative), or **research funding applications** for submission to the EU 6th Framework Programme or to other European or international funding organisations.

In the case of **ESF Programmes** ("*à la carte*" or [EUROCORES](#)), which are financed by, and coordinated through, the European Science Foundation, a draft proposal should be submitted to the LESC Secretariat for advice, to then subsequently undergo further external refereeing. If successful in obtaining LESC's scientific recommendation, the proposal will be submitted to ESF Member Organisations for funding on a voluntary basis. More details are available at <http://www.esf.org/lesc>.



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