



The Abdus Salam  
**International Centre  
for Theoretical Physics**  
50th Anniversary 1964 - 2014



## 4th International Workshop on ChArMEx The Chemistry-Aerosol Mediterranean Experiment 20 - 24 October 2014 (ICTP, Miramare, Trieste, Italy)

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, is pleased to announce the organization of the **4th International ChArMEx Workshop on the Chemistry-Aerosol Mediterranean Experiment**.

ChArMEx is part of the international and interdisciplinary metaprogramme MISTRALS (Mediterranean Integrated Studies at Regional and Local Scales). Its aim is to assess present and future state of the atmospheric environment in the Mediterranean Basin, and its impacts on the regional climate, air quality and marine biogeochemistry, in a context of strong regional anthropogenic and climatic pressures.

This region shows high level of ozone and aerosol during summertime. It is a receptor area of long-range transport of atmospheric pollution. It is also considered a hot-spot of climate change, with significant projected summertime warming and precipitation decrease that have the potential to further enhance atmospheric pollutants and natural aerosol concentrations.

The Workshop will focus on different approaches to study Mediterranean atmospheric chemistry and climate such as satellite observations, airborne and ground measurements, and modelling. Recent results of the ChArMEx experiment will also be discussed.

It is intended to promote scientific exchanges and collaborations between participants. As such it is open to scientists and students interested in atmospheric chemistry, aerosols and climate-chemistry interactions in the Mediterranean region climate.

Talks from participants are welcome, and a Poster Session will also be included in the programme. ICTP encourages applicants to submit a short one-page abstract along with their online application form.

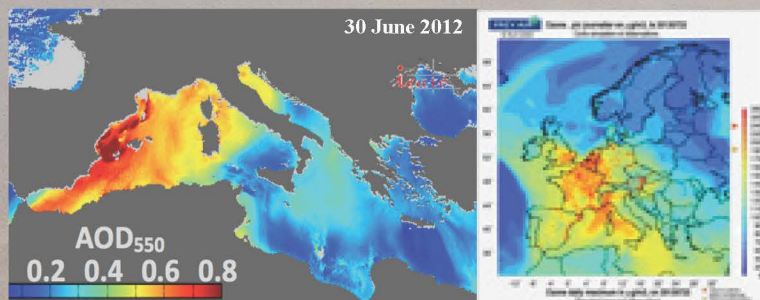


ChArMEx 2013 campaign, from left to right: two SAFIRE research aircraft in Cagliari, Sardinia; background surface station of Ersa (top) and Lampedusa (bottom), Corsica; two long-range drifting balloons for ozone and aerosol measurements launched at Minorca; Zero-CO2 instrumented sailboat off Cape Corsica (photos francois.dulac@cea.fr).

### **PARTICIPATION**

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend this event. As it will be conducted in English, participants must have an adequate working knowledge of this language. Although the main purpose of the Centre is to help researchers from developing countries through a program of training activities within a framework of international cooperation, a limited number of students and post-doctoral scientists from developed countries not directly involved in project ChArMEx are also welcome to attend.

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



Left: Aerosol optical depth at 550 nm derived from the satellite instrument MSG/SEVIRI during an intense dust event of the ChArMEx pre-campaign; Right: ozone daily maximum by the air quality forecast system <http://www.prevair.org>.

### **Information and Online Application webpage:**

<http://agenda.ictp.it/smr.php?2610>

ICTP Home Page:

<http://www.ictp.it>

E-mail: [smr2610@ictp.it](mailto:smr2610@ictp.it)

Telephone: +39-040-2240305

Telefax: +39-040-224163

Co-sponsor:  
MISTRALS/ChArMEx-France



### **ORGANIZERS:**

**Francois DULAC**  
(LSCE CEA, Gif-sur-Yvette, France)

**Eric HAMONOU**  
(LSCE CNRS, Gif-sur-Yvette, France)

**Marc MALLET**  
(Aerologie, CNRS, Toulouse, France)

**Michaël SICARD**  
(RSLab, UPC, Barcelona, Spain)

**Fabien SOLMON\*** (ICTP Local Organizer)  
(ESP, ICTP, Trieste, Italy)

### **Preliminary List of Speakers:**

**Augustin COLETTE** (INERIS, Verneuil-en-Halatte, France):  
Air quality-climate interactions

**Véronique DUCROCQ** (CNRM Météo-France, Toulouse, France):  
HyMeX projet on the hydrological cycle

**Cécile GUIEU** (LOV, Villefranche-sur-Mer, France):  
MERMEX project on Marine ecosystems response

**Wolfgang JUNKERMANN** (KIT/IMK-IFU, Garmisch-Partenkirchen, Germany):  
Aerosols in the Mediterranean

**William LAHOZ** (NILU, Kjeller, Norway):  
Air quality and contributions from assimilation

**Paolo LAJ** (LGGE, Grenoble, France):  
ACTRIS network for atmospheric research observations

**Jos LELIEVELD** (MPIC, Mainz, Germany):  
Modeling atmospheric chemistry-climate interactions

**Nikos MIHALOPOULOS** (Univ. of Crete, Heraklion, Greece):  
Aerosol chemistry

**Etienne RUELLAN** (INSU CNRS, Paris, France):  
Regional multidisciplinary programme MISTRALS

**Giorgio di SARRA** (ENEA, Rome, Italy):  
Mineral dust

**DEADLINE TO APPLY**  
**15 JUNE 2014**