

# PRESS KIT



9TH EUROPEAN  
CONFERENCE ON

9th EMS Annual Meeting

Applications of Meteorology

High resolution meteorology

- applications and services

**28 September – 2 October 2009**  
**Toulouse, France**

<http://meetings.copernicus.org/ems2009>



Société  
Météorologique  
de France



**METEO FRANCE**  
Toujours un temps d'avance

# High resolution meteorology – applications and services

## Conference topics

Applications of Meteorology

Atmosphere and the water cycle

Communication and Education

Climatology : new services responding to climate change

Numerical weather prediction

**On Monday 28th, participants will be invited to the Icebreaker Reception**

**A conference locally organized by**



# EDITORIALS

## **European Meteorological Society**

The 9<sup>th</sup> EMS Annual Meeting and 9<sup>th</sup> European Conference on Applications of Meteorology are organised in a time of change: ever higher resolution of data provides increasing possibilities for many sectors to make use of the results from research. With the focus on *High resolution meteorology*, the conference will highlight the need for raising the awareness of potential benefits but also the pitfalls involved with the use of such data. The challenge is to communicate both the opportunities and the uncertainties when exploiting high resolution data, for example in warning and alarm systems. And we hope that the conference will see vivid discussions on all these aspects.

Exchange on how to improve communication of meteorological and climatological information between developers, users, stake holders and decision makers, and to the general public is a vital objective of the EMS and many sessions will provide a forum on these issues.

The EMS is pleased to organise this Annual Meeting together with SMF and Météo France in France: the French meteorologists have been one of the driving forces in the development of the network of European meteorological societies that has eventually lead to the foundation of the EMS, 10 years ago. This is the place to be in 2009!

## **SMF : French Meteorological Society**

The Société Météorologique de France (SMF) is glad and proud to welcome, together with Météo-France, the European Meteorological Society for its ninth annual Conference which also marks its tenth anniversary. SMF played an active role in the creation of EMS and is very happy of the success of this European cooperation.

The annual EMS Conference has become a pillar of the professional meteorological community in Europe. Its numerous sessions provide an occasion to assess the progress of science and techniques in our domain, concerning particularly what is relevant for the applications of Meteorology and Climatology. In our domain, science and applications help indeed each other in fruitful synergy.

This Conference is also a unique occasion for informal discussions and exchange of experience between people coming from different horizons. The SMF is specifically interested in questions about the role of learned societies in the context of the Internet. How should we fulfil our mission in this situation where Internet has completely changed the ways for communication with the public ? We hope this meeting will help us get a better understanding of what is to be done.

At any rate, we wish a happy anniversary to EMS !

## **Météo-France**

Météo-France has the pleasure to welcome the ninth Annual Conference of the European Meteorological Society (EMS) and the ninth European Conference on Applications of Meteorology (ECAM), to the International conference centre of the Météopole, in Toulouse.

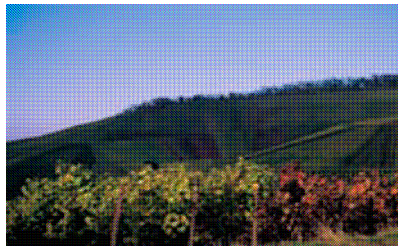
“Applications of meteorology”, “atmosphere and water cycle”, “communication and education”, “climatology”, “numerical weather prediction” ..., all are subjects that we are eager to discuss.

At a time when many projects are developing to improve the security of people and property, preserve and manage the environment, instigate policies for sustainable development or organise the Single European Sky, Météo-France is happy to cooperate, with the European Meteorological Society (EMS) and the French Meteorological Society (SMF), in the organisation of these meetings that will welcome more than 400 participants coming from every part of Europe and that will provide excellent opportunities for discussions and debates on the future orientations of meteorology, climatology and their applications.

Finally, we thank the European Meteorological Society for this initiative and, on the occasion of the tenth anniversary of its creation, we are pleased to address it all our wishes for success

## Objectives

As in the past, the objective of the conference is to provide a multidisciplinary forum for exchange of ideas on all aspects of future strategies in meteorology and climatology, that involves the whole atmospheric and related communities : scientists, service providers, manufacturers, users and the media. They will be able to exchange ideas, results, needs, demands and aims for now and the futures. The particular focus of the European Conference on Applications of Meteorology (ECAM), is the application of meteorology for the benefit of society.



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# PROGRAMME

## HIGH RESOLUTION METEOROLOGY – APPLICATIONS AND SERVICES

### Monday 28 September 2009

#### 10:00: OPENING Session

#### *Strategic Lectures on High resolution services by*

- Michel Jarraud\*, WMO Secretary General
- Adrian Simmons\*, ECMWF and MACC consortium
- Dominique Bussereau, State Secretary for Transport, France

#### 19:00: Icebreaker Reception

### Wednesday, 30 September 2009

#### 10:00 : EMS Silver Medal - Ceremony and Lecture

Lennart Bengtsson : *Why is the climate warming so irregular ?*

#### Round Table

*On the vision for high resolution meteorology – applications and services*

**Moderator: Ewen McCallum, Met Office, UK**

**Panelists:**

- Olivier Moch, permanent secretary of the CSM (High Council for Meteorology): Expectations of the various user communities
- Laurent Dubus, EDF : Energy sector perspective
- Brian Golding, MetOffice: High resolution NWP and use of high resolution data
- David Richardson, ECMWF: Potential of probability forecasting
- Robert Mureau, Meteo Consult: Forecaster perspective
- PRIMET: Nowcasting and forecast delivery using new technology

The programme has been designed to provide ample opportunities for the exchange of experience and ideas between people from different horizons; it has five programme themes :

- ❖ **Applications of Meteorology (ECAM)**
- ❖ **Atmosphere and the Water Cycle (14 sessions)**
- ❖ **Communication and Education (4 sessions)**
- ❖ **Climatology**
- ❖ **Numerical weather prediction (5 sessions, one joint with Climatology)**

The numerous sessions provide an occasion to assess the progress of science, techniques and services in the relevant fields, and reflect that science and applications are constantly cross-fertilising each other.

***The detailed Session Programme available at***  
**<http://meetingorganizer.copernicus.org/EMS2009/sessionprogramme/>**

**\*Michel Jarraud: Secretary-General of the World Meteorological Organization  
Keynote speaker Opening Session**

Mr. Michel Jarraud was appointed Secretary-General of the World Meteorological Organization by the Fourteenth World Meteorological Congress in 2003, and reappointed in 2007 for a second four-year term. He was Deputy Secretary-General of WMO from 1995 till 2003. He devoted part of his career to the internationally renowned European Centre for Medium-Range Weather Forecasts (ECMWF), where he was appointed Deputy Director of the Centre in 1991 having served as Director of the Operational Department since 1990. From 1978 to 1985, he was a researcher in numerical weather prediction at the ECMWF. Mr Jarraud started his career with Météo-France, as a researcher in 1976. He rejoined the French National Meteorological Service in 1986 as Director of the Weather Forecasting Department, until 1989.

**\*\*Adrian Simmons: ECMWF Head of the Data Division  
Keynote speaker Opening Session**

Adrian Simmons completed a Ph.D. at the University of Cambridge in 1972 on aspects of the dynamical meteorology of the stratosphere. His postdoctoral work at the University of Reading combined research and development in atmospheric modelling with further research in atmospheric dynamics, the life cycles of mid-latitude cyclones in particular. He joined the European Centre for Medium-Range Weather Forecasts (ECMWF) in 1978, where, as Head of the Numerical Aspects Section and then of the Model Division, he was active in the development and refinement of ECMWF's atmospheric forecast model. He also developed interests in atmospheric predictability and the use of high-performance computing. He was appointed Head of the Data Division in 1995, managing development of the assimilation of ground-based and satellite data for both numerical weather prediction and climate reanalysis. He is currently coordinator at ECMWF of the EU-funded project that provides the pilot for the core GMES Atmosphere Service. He is also Chair of the GCOS/WCRP Atmospheric Observation Panel for Climate and a Visiting Professor at the University of Reading.

## **LIST OF EXHIBITORS**

**Association of Hydro-Meteorological Equipment Industry , Switzerland  
(booth N°5)**

**CAE Spa , Italy (booth N°9)**

**Campbell Scientific Ltd. , United Kingdom (booth N°10)**

**EMS, European Meteorological Societies (booth N°6)**

**E.T.G., Italy (booth N°4)**

**Kipp & Zonen BV , The Netherlands (booth N°3)**

**Leosphere, France (Booth N°14)**

**METEK GmbH , Germany (booth N°11)**

**PROMETEO, Météo-France International, France (booth N°13)**

**METEOMODEM, France (booth N°7)**

**REMTECH SA, France (booth N°12)**

**Scintec AG , Germany (booth N°1)**

**SELEX Sistemi Integrati GmbH , Germany (booth N°2)**

**Wiley-Blackwell Publishing , United Kingdom (booth N°8)**

**The exhibition will be open from Monday 28 September 2009, 12.00 to Thursday  
1 October 2009, 18.00**

## General Information

The conference will take place from September 28 to October 2, 2009 at the International Conference Centre, Météo-France, 42 avenue Coriolis in Toulouse, France. The conference centre hosts an amphitheatre and two lecture rooms. The “Chapiteau area” will provide space for the exhibition and the poster and catering area. The congress is open to the scientists of all nations.

### □ Opening hours

Monday 28 September 10:00 – 21:00

Tuesday 29 September– Thursday 1 October 2009: 08.00-19.00

Friday, 2 October 2009: 8:00 – 13:00

### □ Official language

The official language of the 9th EMS/9th ECAM is English. Simultaneous interpretation is not provided.

### □ Programme and Science Committee

Pierre Baüer	SMF, France
Rasmus Benestad	NWF, Norway
Horst Böttger	EMS
Tanja Cegnar	EARS, Slovenia
Jean-Pierre Chalon	Météo-France
Dominique Lapeyre de Chavardès	Météo-France
Ben Dieterink	HMEI
Sylvain Joffre	FMI, Finland
Martina Junge	EMS
Haleh Kootval	WMO
Ewen McCallum	Metoffice, UK
Robert Mureau	The Netherlands
Evangelina Oriol-Pibernat	ESA
Manuel Palomares	AEMet, Spain
Claude Pastre	SMF, France
Hans Richner	SGM, Switzerland
Pirkko Saarikivi	PRIMET
Gerhard Steinhorst	DWG, Germany
Heleen ter Pelkwijk	NVBM, The Netherlands
Aryan van Engelen	ECSN
Walter Zwiefelhofer	ECMWF

## Partners information

### European Meteorological Society

It is 10 years that the meteorological community in Europe started to develop a European platform with the goal to facilitate exchange across boundaries, national and sectoral. The European Meteorological Society (EMS) was established in 1999 as an association of societies. At present the EMS membership consists of 36 Meteorological Societies from 30 European countries. In addition, it has 29 Associate Members made up of National Meteorological Services, international institutions and commercial companies. The current president is Fritz Neuwirth, director of the Zentralanstalt für Meteorologie und Geodynamik, Austria.

The objectives of the EMS are :

- Promote professional standards and best practice across European meteorological service providers and practitioners.
- Raise the profile of Member Societies.
- Establish collaborative activities and share experience.

One important activity of the EMS that helps foster collaboration in Europe is the running of the EMS Annual Meetings, in conjunction with the European Conference on Applications of Meteorology (ECAM) and the European Conference on Applied Climatology (ECAC) in alternate years. These meetings are organised in collaboration with the national member societies and national weather service, and have developed as an important meeting place of the meteorological community in recent years.

Over the years, the EMS has developed activities to promote professional standards in communication. At the Media Session at the annual conference, that is prepared in collaboration with the International Association of Broadcast Meteorologists (IABM) and the Climate Broadcast Net Europe (CBN-E). Examples of best practice in TV weather forecast are presented and discussed. To highlight outstanding examples three EMS Media awards have been established: THE EMS TV Weather Forecast Award; the EMS Outreach & Communication Award and the EMS Broadcast Meteorologist Award. All Awards will be presented during the Media Session of the EMS&ECAM2009 in Toulouse.

The EMS is funding between ten and 15 Young Scientist Travel Awards and one prestigious Young Scientist Award each year.

Other activities include information exchange and provision on education in meteorology, on publication practices and communications, and accreditation schemes and recommendations on professional practices across Europe.

For more information see :

[www.emetsoc.org](http://www.emetsoc.org)

## French Meteorological Society

The French Meteorological Society is a non-profit public utility association founded in 1852. It is bound by a cooperation Agreement with the French National Weather Service, Météo-France.

What used to be a learned society is now a space where one can communicate, exchange and discuss.

SMF organizes different scientific events such as symposia, conferences and debates for the general public, exhibitions...as well as educational activities like the Regional Meteorological Clubs Meeting in Toulouse for schoolchildren.

It also awards the Prud'homme Prize for students and the Perrin de Brichambaut prize for schoolchildren and publishes a quarterly journal called "La Météorologie", with Météo-France and sponsored by Insu-Cnrs and ADEME.

The association promotes knowledge of the atmospheric environment by encouraging research and the spreading of knowledge and Education. It gathers all those involved in Meteorology: researchers, meteorologists, teachers, students, Meteo-clubs, TV weather presenters, users and all those with a strong interest in meteorology.

Its members receive a newsletter every two months. It has about 500 members in France and abroad, a head office in Paris and a regional branch in Toulouse with 2 employees and volunteers.

The President of the French Meteorological Society is M. Jean Jouzel, climate and glaciology expert and 2007 joint Nobel Prize winner for IPCC.

For more information see:  
<http://www.smf.asso.fr>

## **METEO-FRANCE**

Météo-France, the French national meteorological service, is monitoring climate twenty-four hours a day, seven days a week. Its major assignment is to observe and forecast the evolution of the atmosphere, of the snow cover and of the ocean surface. One of its main missions is to ensure the security of life and property, by advising authorities and citizens about potential hazards associated with meteorological phenomena such as strong winds, storms, floods, snow avalanches, very hot or very cold weather.

On the basis of this expertise, Météo-France supplies private and public users with personalised products and services. In cooperation with its main partners, it provides assistance which covers a wide range of areas such as civil security, Defence, aeronautics and marine, water resources and flood forecast, air quality, agriculture and sporting events. Météo-France is also the exclusive meteorological provider for the airspace entrusted to France by the International Civil Aviation Organization (ICAO).

At national and international levels, Météo-France's scientists and engineers cooperate with various research centres, universities, international organisations and other national meteorological services. Météo-France is also a member of the European network of meteorological services, EUMETNET, and represents France with the European Centre for Meteorological Weather Forecast (ECMWF), with EUMETSAT, the organisation in charge of the European meteorological satellites, and with the World Meteorological Organisation (WMO). It has been designated as the forecasting centre for tropical cyclones developing in the south-west region of the Indian ocean, and has been entrusted with specific international responsibilities such as the: transmission of meteorological data collected in France and in Africa, the forecast of pollutant trajectories in case of accidental large scale atmospheric pollution, the survey of volcanic ash over Africa, and over parts of Europe and of the Middle-East.

To maintain its level of excellence in the observation and forecasting of weather and climate, Météo-France benefits from the complementarities between its research and operational activities. In this way, the Centre national de Recherches Météorologiques (CNRM) brings a major contribution to the study and simulation of atmosphere and climate. Their results are then developed for operational use in collaboration with various services with expertise in observation, forecasting and computer science. Education and training is organised by the Ecole Nationale de la Météorologie (ENM), a renowned school at the forefront of meteorology and which closely cooperates with EUMETCAL, the European programme on education in meteorology.

Météo-France is a public administrative establishment, under the supervision of the ministry of ecology, energy, sustainable development and seas. It is managed by Dr. François Jacq, Président-directeur général.

## CONTACTS

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## MEDIA

Web site:

[http://meetings.copernicus.org/ems2009/for\\_the\\_media/index.html](http://meetings.copernicus.org/ems2009/for_the_media/index.html)

Members of the press and media may register for the EMS & ECAM 2009 at no charge.

**To get accreditation and register:**

[http://meetings.copernicus.org/ems2009/for\\_the\\_media](http://meetings.copernicus.org/ems2009/for_the_media)

