



Upfront

9th EMS & 9th ECAM
28 September - 2 October 2009
Toulouse, France

Programme *Opening Session*
Monday, 10:00 - 13:00

10:00–11:00

Welcome Addresses

- Fritz Neuwirth, *EMS President*
- Jean Jouzel, *President SMF*
- Pirkko Saarikivi, *PRIMET Board*
- Bruce Sumner, *HMEI*

Awards Ceremony

Presidential Lecture

10 years of EMS: Fritz Neuwirth

11:00–11:30 **Coffee Break**

11:30–13:00

Strategic Lectures on High resolution services

Michel Jarraud

Secretary-General WMO

„*High resolution services:
the role of WMO*“

Adrian Simmons

ECMWF and MACC-consortium

„*Evolution of the
GMES Atmospheric Services*“

Francois Jacq

*Président-directeur général,
Météo-France*

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Upcoming Meetings

▶ **10th Baku International Congress - Energy, Ecology, Economy**
23–25 September 2009
Baku, Azerbaijan
ieacademy.org/Congress/10th/10th-congress.html

▶ **Special Events at the EMS & ECAM 2009** at
meetings.copernicus.org/ems2009/special_events

▶ **Joint Meeting of RMets and the EMS: Evaluating climate processes in West Africa: New perspectives from the African Monsoon Multidisciplinary Analysis**
21 October 2009, London, UK
www.rmets.org/events/detail.php?ID=4349

▶ **5th European Conference on Severe Storms**,
12–16 October 2009,
Landshut, Germany
www.essl.org/ECSS/2009

▶ **2009 SOLAS Open Science Conference**,
16–19 November 2009, Barcelona.
solas2009.confmanager.com

EMS & the Membership

▶ **Swiss Society for Meteorology**

The Swiss Society for Meteorology (SGM) will hold its 2009 Annual Meeting embedded in the 7th Swiss Geoscience Meeting in Neuchâtel, which takes place 20-21 November 2009.

The SGM will organize a one-day symposium *Meteorology and Climatology* and hold its administrative meeting on 21 November. Details can be found on geoscience-meeting.scnatweb.ch/sgm2009.

▶ **Gender Mainstreaming in Slovenia**

In Slovenia, the National Meteorological Service (NMS) operates under the umbrella of the Environmental Agency of the Republic of Slovenia. From the start of the WMO initiative to identify gender focal points at each NMS, there has always been a focal point at the Slovenian NMS. Only 19 % of its employees are women, none of them at the highest management level.

As the number of women meteorologists is very small, joint efforts were made with the informal network of Slovenian women physicists. The network was established in 2002, and the current membership is around 110. Information about the network is available on www.fizicarke.fmf.uni-lj.si in Slovenian.

In 2005, the World Year of Physics, the informal network prepared the exhibition “Slovenke v fiziki” (Slovenian women in physics), that consists of 15 posters systematically presenting professional careers and achievements. The exhibition was displayed in 36 locations and is still moving around Slovenia; it was also shown in Celovec/Klagenfurt in Austria. The main purpose of this exhibition is to bring physics closer to school children and the general public.



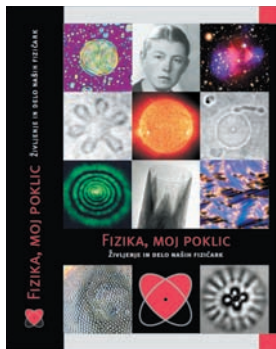
Following the success of this exhibition, a more ambitious project was initiated. In September 2007 a

monograph presenting Slovenia physicists was published.

79 physicists contributed, explaining how and why they decided to study physics, describing their everyday tasks, pointing out their main achievements, and also stating how satisfied they are with their profession.

The result is a collection of very different life stories, providing examples how a professional career can be combined with private life and hobbies. All subtopics of physics, including meteorology, are incorporated and introduced with a short summary that makes the book also an overview of contemporary physics and its development in Slovenia.

The book is intended for the general public, and all authors' contributions and the editorial work were on a voluntary basis. In 2007 the Slovenian Science Foundation awarded the »Prometej of Science for Excellency in Communication« to the editorial board.



► Royal Meteorological Society

Prof. Julia Slingo is the president of the Royal Meteorological Society in 2009. She is currently the Chief Scientist of the UK Met Office and is Professor of Meteorology in the Department of Meteorology at the University of Reading.

Julia has had a long career in climate modelling and research, working first at the Met Office, then the European Centre for Medium Range Weather Forecasts and the National Center for Atmospheric Research in Boulder, USA.

Julia's personal research addresses problems in tropical climate variability, its influence on the global climate, its role in seasonal to inter-annual prediction and its response to climate change.

Before joining the Met Office as Chief Scientist, Julia was the Direc-

tor of Climate Research in the UK's National Centre for Atmospheric Science. In 2008 Julia was awarded the Order of the British Empire (the OBE) by Her Majesty the Queen for her services to climate science.



Julia Slingo

RMetS Strategic Plan

Julia Slingo's vision for the Royal Meteorological Society:

It is a great privilege to be President of our Society, and I am delighted to be the first woman President in its history. It is a Society with not just a strong history, but a strong sense of its future direction. In 2009 we launched our new Strategic Plan which sets out the priorities for the Society over the next three years. This Plan is about tackling both the short-term challenges that the Society faces and also making some long-term investments in our future. It is about ensuring the Society remains relevant to the needs and aspirations of the meteorological community, ensuring that we continue in our advancement of meteorology and the important work in helpful bring through the next generation of meteorologists.

The Plan emphasizes that the work of the Society has never been more relevant. Now that climate change is largely accepted, the science and policy agenda is moving on to 'What will it mean for me, for my business, for the world I live in?'. Our role in mentoring and communicating the best possible science and information to help society adapt to and mitigate the effects of climate change will be crucial.

Copies of the RMetS Strategic Plan will be available at the EMS booth at EMS&ECAM 2009.

It is also available at: www.rmets.org/pdf/summary-strategic-plan.pdf

► Meteorological Science in time and space - from local weather to global climate

The Royal Meteorological Society held its sixth biennial conference and its student conference from 29 June to 4 July this year at the University of Reading.

There were three themes covering the Water Cycle, Predicting Hazards and Risk and Ecosystems, which were focused on addressing some of the key questions that span science, business and policy makers.

The conference had a new programme format with the main emphasis on workshop and poster sessions to provide much greater discussion time for those attending.

In addition we were delighted to have such a strong international programme of invited speakers who helped to give a very accessible introduction to the theme areas and to bring the audience up-to-date with the latest science challenges. It was also pleasing to see representatives from across academia, the practitioner community and industry colleagues from both the suppliers and customers of meteorological services.

Yet again we had a very active participation from the UK's student community, who for the first time held a joint session with the main conference and have put together a conference statement which they plan to issue ahead of the Conference of the Parties in Copenhagen later this year. The statement is the first that we know of from a community of young meteorologists that calls for our policy-makers to take the decisions necessary to address the challenges of our changing climate.

The programme and the workshop and poster abstracts are still available at www.rmets.org/events/conference/conference-2009.php. Workshop reports will be available from the end of September.

► Exhibition booth of EMS

Information material on the activities and objectives of many of the EMS Member Societies will be available at the EMS&ECAM 2009 exhibition in Toulouse.

Visit booth No.6!

News

► **World Climate Conference -3 establishes task force**

The World Meteorological Organization (WMO) and its partners convened the World Climate Conference-3 (WCC-3) from 31 August to 4 September this year in Geneva, with an Expert Segment from Monday to Wednesday, followed by a High-Level Segment on Thursday and Friday.

The purpose of the Expert Segment of WCC-3 was to engage a wide cross-section of climate scientists, expert providers of climate information and the users of climate information and services in a wide-ranging discussion on the essential elements of a new Global Framework for Climate Services (also referred to as the 'Framework') for consideration by the High-level Segment of the Conference.

The goal of the Framework is to enable better management of the risks of climate variability and change and adaptation to climate change at all levels, through development and incorporation of science-based climate information and prediction into planning, policy and practice.

The Global Framework for Climate Services is proposed as a long-term cooperative arrangement through which the international community and relevant stakeholders will work together to achieve its stated goal. The Framework will have four major components: Observation and Monitoring; Research, and Modelling and Prediction; a Climate Services Information System; and a User Interface Programme. The first two components are well established but are in need of strengthening. The latter two components together constitute a 'World Climate Service System'.

More information on WCC-3 and the Framework is available at www.wmo.int/wcc3/page_en.php.

Meetings 2010

- **2nd IASI International Conference**
25–29 January 2010,
Annecy, France.
smsc.cnes.fr/IASI/A_conference.htm
- **Euroscience Open Forum: Passion for Science**
2–7 July 2010, Torino, Italy
www.esof2010.org
- **10th EMS Annual Meeting & 8th European Conference on Applied Climatology (ECAC)**
13–17 September 2010,
Zurich, Switzerland.
- **DACH2010: Deutsch-Österreichisch-Schweizerische Meteorologentagung**
20–24 September 2010,
Bonn/Köln, Germany.
meetings.copernicus.org/dach2010/index.html
- **2010 Ocean Sciences Meeting**
22–26 February 2010,
Portland, Orlando, USA
www.agu.org/meetings/os10
- **Oslo Science Conference: Polar Science - Global Impact**
8–12 June 2010, Oslo, Norway
www.ipy-osc.no
- **Greenhouse Gases in the Earth System: Setting the Agenda in 2030**
22–23 February 2010, London, UK
royalsociety.org/event.asp?id=8603&month=2,2010
- **Urban Environmental Pollution - UEP 2010**
20–23 June 2010, Boston, USA
www.uep2010.com

Agenda

- **21st EMS Council**
27 September 2009, 9:30h,
CIC, Toulouse, France.
- **11th EMS General Assembly**
27 September 2009, 15:00h,
CIC, Toulouse, France.
- **Deadline for submissions to the ems-message No. 7:**
25 November 2009.

Plenary Round Table Discussion

„The vision for high resolution meteorological applications and services“

Wednesday, 30 September 2009,
14:45–18:00, Amphithéâtre

Moderator:

Ewen McCallum, MetOffice, UK

Panelists:

Olivier Moch,
High Council for Meteorology
Expectations of user communities

Laurent Dubus, EDF
Energy sector perspective

Brian Golding, MetOffice
High resolution NWP and the use
of high resolution data

David Richardson, ECMWF
The potential of probability
forecasting

Robert Mureau, Meteo Consult
The forecaster perspective

Jean-Marie Carrière,
Météo France
Nowcast and forecast delivery
using new technology

The increasing possibilities for many sectors to make use of high resolution meteorological and climatological data 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, for example in warning and alarm systems. Much closer interaction of developers, users, stake holders and decision makers is needed.

Awards



The EMS Young Scientist Award 2009

Raquel Nieto, University of Vigo, Spain.

For her publication
Identification and Climatology of Cut-off Lows near the Tropopause

Young Scientist Travel Awards for participation in the EMS & ECAM 2009, Toulouse:



Irene Schicker
University of Natural Resources and Applied Life Sciences, Vienna
High resolution meteorological modelling of the Inn Valley atmosphere



Richard Foreman
Institut für Meteorologie und Klimaforschung, Karlsruhe
Estimation of offshore humidity fluxes from sonic and mean temperature profile data



Peter Szabo
Hungarian Meteorological Service
The evaluation of extreme precipitation and temperature indices based on regional climate models at the Hungarian Meteorological Service



Paul Williams
University of Reading
Application of the Lighthill-Ford Theory of Spontaneous Imbalance to Clear-Air Turbulence Forecasting



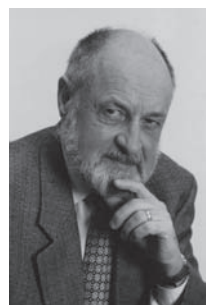
Tomáš Miléf
Masaryk University Faculty of Education, Brno
Sample classroom activities based on climate science

The Award was assigned for participation in the ECOW in Prague. The latter was cancelled and the Award was transferred to enable Tomáš to present his paper in the Education Session CE4 at the EMS&ECAM.



Alireza Shahabfar
University of Natural Resources and Applied Life Sciences, Vienna
Application of Perpendicular Drought Indices as a Dynamic Drought Monitoring Method

The EMS TV Weather Forecast Award 2009 Mr. Danny Roup



The EMS Broadcast Meteorologist Award 2009 Mr. Károly Vissy

The EMS Broadcast Meteorologist Award, the EMS TV Weather Forecast Award and the EMS Outreach & Communication Award will be presented at the Media Session of the EMS & ECAM 2009 in Toulouse on 1 October 2009.