



## EMS & ECAM 2011

The 11th EMS Annual Meeting and 10th European Conference on Applications of Meteorology (ECAM) will be held jointly from 12 to 16 September 2011 at the Dahlem Cube in Berlin, Germany.

### *Forecasting the weather - ensemble techniques in probabilistic weather prediction*

The programme consists of 37 sessions in five programme groups. Details are announced in the *call for papers* on page 7 of this issue, and are accessible at

[meetings.copernicus.org/ems2011](http://meetings.copernicus.org/ems2011)

>> 21 April 2011 <<

Deadline for abstract submission

>> 25 March 2011 <<

Abstract submission with waiver or YSTA applications

The meetings are organised jointly by the EMS, DWD, the German Meteorological Society, the Institut für Meteorologie FU Berlin and EUMETNET-ECSN.



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## Young Scientist Travel Awards 2011

► 11th EMS & 10th ECAM, 12–16 September 2011, Berlin Germany. 5 YSTAs consisting of a registration fee waiver and 300€ travel support, are available. Application until: **25 March 2011**. More information at: [meetings.copernicus.org/ms2011/awards\\_and\\_waivers.html](http://meetings.copernicus.org/ms2011/awards_and_waivers.html)

YSTAs for the conferences listed below include 500€ travel support. Two awards are available for each of the events. Information on application procedures is available at [emetsoc.org/awards/awards.php](http://emetsoc.org/awards/awards.php)

- THORPEX European Regional Meeting  
24–27 May 2011, Karlsruhe, Germany  
Deadline: **18 March 2011**
- EUMETSAT Meteorological Satellite Conference  
5–9 September 2011, Oslo, Norway  
Deadline: **28 April 2011**
- 6th European Conference on Severe Storms (ECSS)  
3–7 October 2011, Palma de Mallorca, Spain  
Deadline: **31 March 2011**

Imprint:

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**To subscribe to the ems-message register at**  
[emetsoc.org/publications/publications.php](http://emetsoc.org/publications/publications.php)

## Young Scientist Award 2011

The EMS Young Scientist Award is presented annually to acknowledge excellence in young scientists. The award is endowed with a prize of 1000€ and a trophy.



EMS Member organisations are invited to nominate candidates.

Details on eligibility and nomination procedures are available at [emetsoc.org/awards/awards.php](http://emetsoc.org/awards/awards.php).

Nomination deadline: **23 June 2011**

## Agenda

- **24th EMS Council**  
17–18 March 2011  
Bratislava, Slovakia
- **Deadline for submissions to the ems-message No. 2-2011**  
**17 May 2011**
- **Deadline for nominations for all EMS Media Awards 2011**  
**23 June 2011**
- **13th EMS General Assembly**  
11 September 2011  
Berlin, Germany

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## Media Awards 2011

The EMS aims to highlight examples of Best Practice in communication to the general public through the following Media Awards:

### ► EMS Broadcast Meteorologist Award



The Award honours life achievement of an outstanding broadcast meteorologist.

### ► EMS Outreach & Communication Award

The Award highlights projects that explore new and effective ways to communicate the science of meteorology, climatology and related fields to the general public.

### ► EMS TV Weather Forecast Award

Broadcast meteorologists are invited to submit a video clip of a weather forecast for presentation at the meeting in Berlin.

All Awards will be presented during the Media Session at the EMS Annual Meeting & ECAM in Berlin. Deadline for nominations:

**23 June 2011**

Details on nomination procedures are accessible from [emetsoc.org/awards/awards.php](http://emetsoc.org/awards/awards.php)



### Media Award for excellence in meteorological broadcasting

The International Association of Broadcast Meteorology is offering an award to an individual, who is currently working in the media, and who has in the last year brought on-air attention to the scientific concern with the threat of global climate change.

The IABM Prizes and Awards Committee solicits nominations for: *An Outstanding Radio and/or Television Weather Presentation*. Programmes that have been aired from August 2010 to August 2011 will be considered.

Nominations can be made for high standards of scientific content in regards to climate change. The media outlet's response to a particular weather/climate event can be added to support to the nomination. Nominations should be accompanied with a DVD or, preferably, an electronic linked copy of the recording of the telecast along with the date and time of the airing of the programme, and the name and e-mail address of the presenter and station. Nominations will be judged on the quality of information, the educational value, the appeal to the audience, and the level of technical and professional presentation. The following information is required to accompany the copy of the on-air performance.

- The current title, full address and phone number of the nominee.
  - An up-to-date CV and a summary of the candidate's work.
  - Additional letters of support (at least one and at most four) indicating the extent of influence of the candidate's work.
  - Note that electronic format is preferred; however, hard-copy material will be accepted.
  - Receipt of submissions will not be acknowledged unless requested. Acknowledgment when requested will be by way of e-mail.
- Nominations must be received by **August 28th, 2011** by The IABM Chair at [chairmans@iabm.org](mailto:chairmans@iabm.org).

**The Award will be presented during the Media Session of the EMS Annual Meeting, 12-16 September 2011 in Berlin.**

### ► Kipp & Zonen Award 2011

Have you recently presented an outstanding research paper on Boundary Layer Meteorology? Then you should apply for the prestigious Kipp & Zonen Award. Other than the recognition of your work and 1000 Euros prize, Kipp & Zonen will cover your travelling expenses and accommodation to attend the 11th Annual Meeting of the European Meteorological Society (EMS) and the 10th European Conference on Applications of Meteorology (ECAM) in Berlin, Germany!



Requirements for the 2011 Award

- Candidates can come from any country.
  - Candidates shall be under 35 years of age on the first of January 2011.
  - The Award shall be given to a scientist presenting an excellent paper at the 11th EMS Annual Meeting/ECAM conference.
  - The field of research is Boundary Layer Meteorology and specifically related to solar radiation (UV, Visible and FIR) and direct effects.
- For more information on application procedures: [www.kippzonen.com](http://www.kippzonen.com)  
Application deadline: **21 April 2011**.

## News from EMS Members

### ► New President of DMG



Helmut Mayer took over the post as president of the German Meteorological Society from Herbert Fischer on 1 January 2011.

Helmut Mayer graduated in Meteorology 1974 at the LMU Munich, and became Director of the Meteorological Institute at the University of Freiburg, Germany, in 1992 – a position he holds until this day. His main research interests are forest meteorology, urban climate, air pollution and regional climatology. He has organized important conferences in the field of meteorology and is an editor of the journals *Climate Research* and *International Journal of Biometeorology*.

One of his ambitions, as president of a society with 1800 members, is to raise the interest of young students in becoming active members of the DMG. His vision is also to strengthen international collaboration within the EMS, and in particular to intensify contacts and common activities of the DMG, the Swiss Society of Meteorology and the Austrian Meteorological Society on the joint *DACH*-conference and jointly edited journal *Meteorologische Zeitschrift*.

### ► New Director-General of ECMWF from July 2011

At its 74th session on 7–8 December 2010, the ECMWF Council unanimously appointed Alan Thorpe as the next Director-General of the European Centre for Medium-Range Weather Forecasts (ECMWF).

He will start from 1 July 2011 and he will succeed Dominique Marbouy, ECMWF Director-General since 2004.



Since 2005, Alan Thorpe has been the Chief Executive of the UK's Natural Environment Research Council (NERC),

which is the largest funder of environmental science research in the UK universities and institutes. NERC employs around 2700 people and operates research aircraft, ships and facilities like supercomputing and Antarctic bases. Prior to that Alan Thorpe had a period as Director of the Hadley Centre for Climate Prediction and Research and a long career as an academic at the University of Reading. His research has been on the dynamics and predictability of organised convective storms and extra tropical weather systems and latterly on climate; he has published over 110 papers in atmospheric science. He has played major roles in international programmes such as FASTEX and THORPEX.

Alan Thorpe said: "I am really excited to be joining ECMWF in July 2011. It has a pre-eminent position as a world-leading centre for numerical weather prediction. I look forward to leading ECMWF as it develops even more skilful forecasts in the medium-range, including hazardous weather events, and beyond. To be the Director-General will be a challenge and a privilege."

### ► New Director-General of EUMETSAT from August 2011

EUMETSAT Council appointed Alain Ratier to succeed Lars Prahm as EUMETSAT Director-General starting on 1 August 2011.



Alain Ratier started his career at Météo-France in

Research and Development on air sea interaction and assimilation of marine observations in weather and ocean models. After holding several positions in R&D and operational forecasting, he moved to CNES, the French space agency, in 1987.

At CNES he was involved in the definition and management of major research and operational Earth observation programmes, including SPOT, TOPEX-Poseidon and IASI and became associate director for the Earth observation programmes.

He joined EUMETSAT in 1996, as Director of Programme Development and Deputy Director-General. He led the teams of engineers and scientists responsible for the development of Meteosat Second Generation, the EUMETSAT polar systems, the network of Satellite Application Facilities (SAF) and the related interactions with the user community.

In 2004 he returned to Météo-France as deputy to the Chief Executive Officer, involved in the supervision of R&D and operational activities, in particular for safety, defence, aviation missions and international matters.



## Community News

### ► **World Meteorological Day 2011** *Climate for you*

Each year, on 23 March, the World Meteorological Organization, its 189 Members and the worldwide meteorological community celebrate World Meteorological Day around a chosen theme. This day commemorates the entry into force, on that date in 1950, of the WMO Convention creating the Organization.

WMO activities in the area of climate are widely perceived today as key contributions to human safety and well-being and the realization of economic benefits for all nations, in the spirit of the founding mandate, the WMO Convention. Thus this year, the theme of the World Meteorological Day is "Climate for you".

### ► **WOW - A new weather website for everyone**

From spring 2011, the Met Office in partnership with the Royal Meteorological Society and supported by the Department of Education will launch - WOW- the Weather Observations Website.

It is hoped that the website will encourage further growth in the UK's amateur weather observing community, and help educate children about the weather and that this will become the UK's largest source of weather observations. At the same time, the growing world of social networking online makes it relatively easy for anyone to get involved and share their weather observations.

The purpose of the website is to provide a platform for the sharing of current weather observations. This will be regardless of where they come from, what detail of information or the frequency of reports.

Involvement can include submitting ad-hoc information such as "it is

snowing here', or uploading a photograph of the weather you have observed. It also means you can submit routinely taken data from manned or automatic weather stations of high standards.

Over time WOW will build up an historical record of weather observations for sites across the UK.

### ► **ERA-CLIM kick-off**

The official kick-off meeting for the ERA-CLIM project took place at ECMWF on Wednesday 16 February 2011. The goal of the 3-year EU-funded project is to prepare input observations and other data needed for a new reanalysis of the 20th century, to be produced at ECMWF between 2014 and 2017.

ERA-CLIM is funded by the European Commission under the 7th Framework Programme and involves ECMWF, the UK Met Office, Météo-France, EUMETSAT, the University of Vienna, the University of Bern, the University of Lisbon, the Russian Research Institute for Hydrometeorological Information, and the Chilean Met Service.

The project involves approximately 50 person-years of work at eight institutions in Europe, Russia, and Chile. All data produced by the project, including all observations used for reanalysis, will be made available for climate research without restriction.

### ► **Earth Networks to Launch Global Greenhouse Gas Observation Network**

in collaboration with Scripps Institution of Oceanography

The immediate goal of the Earth Networks Greenhouse Gas Observation Network is to improve the understanding of green house gases (GHGs) in the atmosphere.

By deploying and networking many instruments and combining that data with information from its existing weather networks around the world, Earth Networks will become a valuable source for detailed and

reliable global environmental information. The data will be available to inform the research community, policy makers and private industry with more precise environmental intelligence.

Further, the network will enable the independent measurement, reporting and verification of greenhouse gas levels and emissions to support international and regional climate policy initiatives.

In embarking on this new and expanded mission, Earth Networks is establishing the Earth Networks Center for Climate Research at Scripps Institution of Oceanography. Today, only a few dozen continuous GHG observing locations exist, which limits analysis. In contrast, Earth Networks will initially deploy 100 GHG observing systems worldwide, beginning with 50 in the continental U.S., followed by deployments in Europe and other parts of the world. The density of the Earth Networks approach will make it possible to quantify and map more localized GHG emissions and uptakes, and their changes over time. For more information about Earth Networks see [earthnetworks.com/MediaCenter/PressKit.aspx](http://earthnetworks.com/MediaCenter/PressKit.aspx)

### ► **New appointments at NMHSs**

**OMSZ**, Hungary: **Zoltan Dunkel** was appointed President of the Hungarian Meteorological Service on 9 February 2011.

**CHMI**, Czech Republic: **Vaclav Dvorak** has been appointed the new Director of the Czech Hydrometeorological Institute (CHMI) as of 1 March 2011.

**SHMU**, Slovakia: the new Director-General of the Slovak Hydrometeorological Institute (SHMU) is **Vladimir Rak**.

**ANA**, Luxembourg: new Director of the Meteorological Service is **John Santurbano**.

**RMI**, Belgium: new Acting Director-General of the Royal Meteorological Institute is **Daniel Gellens**.

## Forthcoming Meetings

### ► **THORPEX European Regional Meeting**, Karlsruhe, Germany, 24-27 May 2011

The aim of this meeting is to review progress in European THORPEX research, strengthen existing and initiate new collaborations within the European THORPEX community, identify necessary revisions to the THORPEX European Plan, and discuss European involvement within new THORPEX initiatives.

Themes of the meeting are:

- Predictability and dynamical processes
- Data assimilation and observing strategies
- Societal economic research applications
- TIGGE: THORPEX Interactive Grand Global Ensemble
- Field programmes (e.g. T-PARC, IPY-THORPEX, T-NAWDEX, Concordiasi, HYMEX)

**Programme Committee:** Sarah Jones, (KIT, Germany, Chair), David Burridge (WMO), Stefan Klink (EUCOS), Detlev Majewski (Deutscher Wetterdienst), Tiziana Pacagnella (ARPA-SIMC), Florence Rabier (Météo-France), David Richardson (ECMWF), Johannes Schmetz (EUMETSAT), Richard Swinbank (UK Met Office), Olivier Talagrand (IPSL), Heini Wernli (ETH Zürich).

[www.pandowae.de/newsevents/thorpe-erm](http://www.pandowae.de/newsevents/thorpe-erm)

### ► **2011 EUMETSAT Meteorological Satellite Conference** Oslo, Norway, 5-9 September 2011

The 2011 EUMETSAT Meteorological Satellite Conference is to take place in Oslo, Norway, from 5–9 September, and will be co-organised and hosted by met.no, the Norwegian meteorological service.

In addition to the perennial cornerstone themes of weather, ocean (especially Arctic-related) and climate observations, the conference

will focus on the assimilation of data into global and regional NWP models and on where we stand on atmospheric composition and nowcasting applications.

The conference offers a unique forum for experts in these fields to come together to discuss progress, hear about new developments and to keep abreast of what is happening in neighbouring disciplines.

For more details please consult:

[www.eumetsat.int/Home/Main/News/Conferences\\_and\\_Events/801292?l=en](http://www.eumetsat.int/Home/Main/News/Conferences_and_Events/801292?l=en)

### ► **Royal Meteorological Society Conference 2011**, Exeter, UK, 27–30 June 2011

#### ***Celebrating the 150th Anniversary of the first Weather Forecast***

The conference will form part of the celebrations to mark the 150th anniversary of UK's first public weather forecast and the publication of the History of the Met Office. The conference will have oral and poster presentations and workshop sessions. There will also be invited international speakers who will give keynote addresses on the global development of weather forecasting and climate prediction. The four themes under which the conference is calling for abstracts are:

- Process interactions at differing scales
- Model development, evaluation and verification
- Prediction and predictability
- Applications and impacts

The deadline date for abstract submission is 9 May 2011.

[www.rmets.org/events/conference/conference-2011.php](http://www.rmets.org/events/conference/conference-2011.php)

### ► **MedCLIVAR – Final conference** Lecce, Italy, 6-9 June 2011

MedCLIVAR is an international programme which aims to coordinate and promote the study of the Mediterranean climate. MedCLIVAR's

scientific priorities are:

- description of climate past evolution
- assessment of climate variability at different space and time scales
- understanding the mechanisms responsible for the observed climate variability
- identifying trends and providing climate prediction in relation to future emission scenarios.
- study of the occurrence of extreme events and climate change impacts

The project will hold its final conference from 6-9 June 2011 in Lecce.

The conference will discuss the "state of the art" on Mediterranean climate and analyze its variability and trends, identify research hotspots and critical issues, bring together experts from different fields of climate research and discuss future challenges of climate research in the Mediterranean region.

[www.medclivar.eu](http://www.medclivar.eu)

### ► **6th European Conference on Severe Storms (ECSS)**

Palma de Mallorca, Spain, 3–7 October 2011

The picturesque Spanish city of Palma de Mallorca, in the Balearic Islands, will host the 6th European Conference on Severe Storms, organized by the European Severe Storms Laboratory and the University of the Balearic Islands.

The venue is Es Baluard Museum of Modern and Contemporary Art, situated in the perimeter of a medieval bastion.

The topics of the 2011 ECSS will be the following: Impact of storms on society, impact mitigation; Convective Initiation; Convective storm and tornado dynamics; Numerical modeling of storms; storm-scale data assimilation; Extratropical, Mediterranean, and tropical cyclones; Floods and flash floods; Forecasting

and nowcasting of severe weather; Remote-sensing of storms (e.g. satellite, radar, lightning detection); Storm electrification; lightning; microphysics; hail; Storm climate, risk assessments, and climate change; Collection of storm data; damage assessment; and an evening session with videos and pictures of severe storms.

Two workshops will also take place in conjunction with the Conference.

Registration and abstract submission started on 20 February 2011, the deadline for abstract submission is 15 April 2011.

Young scientists are encouraged to join the conference through travel-supporting awards, two of them kindly contributed by the European Meteorological Society.

[www.essl.org/ECSS](http://www.essl.org/ECSS)

#### ► **1st International Conference Energy & Meteorology**

8–11 November 2011,  
Gold Coast, QLD, Australia

Energy & Meteorology 2011 provides an opportunity to network with scientists, engineers, economists, policy makers and other specialists working at the nexus between weather, climate and energy. In this burgeoning inter-sectoral industry, Energy & Meteorology 2011 will provide a premium forum in which delegates will:

- Showcase research findings relevant for operational activities long-term investment planning and policy making in the energy industry.
- Advance ways to manage weather and climate risk by the energy industry, in the face of climate variability and change.
- Enhance coordination between experts in weather & climate research and the energy industry to leverage experience and resources.
- Discuss an international framework for the exchange of information between the weather &

climate community and the energy industry.

As the international community struggles to develop policies and frameworks to effectively tackle climate change, a much stronger connection between Energy & Meteorology will allow the development of forward-looking, cost-effective and sustainable weather and climate risk management strategies for the Energy industry.

Energy & Meteorology 2011 will be an international platform with networking opportunities as well as a source of the state-of-the-art in the science, policy, planning and operations in Energy & Meteorology. This unique event will bring together meteorologist and climatologist researchers and service providers, energy specialists such as regulators, planning institutes, financial and insurance services, electricity transmission and distribution operators working in any energy sector (renewables, power, oil and gas, etc). Environment/climate change experts, including agriculture and water sector specialists, are also encouraged to attend in order to help identify synergies and opportunities cutting across sectors.

[www.icem2011.org](http://www.icem2011.org)

## Meeting Dates

#### ► **6th Extreme Weather Congress**

Hamburg, Germany  
12–15 April 2011

[www.klimakongress.de](http://www.klimakongress.de)

#### ► **11th Conference on Polar Meteorology and Oceanography**

2–4 May 2011  
Boston, Massachusetts, USA

[www.ametsoc.org/MEET/fainst/201111polar.html](http://www.ametsoc.org/MEET/fainst/201111polar.html)

#### ► **31st International Conference on Alpine Meteorology-ICAM-2011**

23–27 May 2011  
Aviemore, Scotland

#### ► **WCRP Open Science Conference 2011**

Denver, CO, USA  
24–28 October 2011

[www.wcrp-climate.org/conference2011](http://www.wcrp-climate.org/conference2011)  
**2012 dates for your diary**

#### ► **EMS & ECAC 2012**

Łódź, Poland  
10–14 September 2012

#### ► **Planet under Pressure 2012**

London, UK  
26–29 March 2012

## Workshops & Summer Schools

#### ► **Forecasters' workshop**

Berlin, Germany  
11 September 2011

The EMS in collaboration with Eumetcal is organising a workshop on tools for forecasting High Impact Weather situations. Details will become available at [www.emetsoc.org](http://www.emetsoc.org)

#### ► **NCAS Atmospheric**

**Measurement Summer School Isle of Arran, Scotland, UK**  
11–23 September 2011

Information at [ncasweb.leeds.ac.uk/arransummerschool](http://ncasweb.leeds.ac.uk/arransummerschool)  
Registration deadline: **14 June**

## Jobs

#### ► **University of Oxford, UK**

Post Doctoral Research Associate: Dust Observations for Models

**Closing Date: 27 April 2011**

#### ► **Norwegian Institute for Air Research (NILU), Kjeller**

Research Scientist - Atmospheric and Climate Change

**Closing Date: 1 April 2011**

#### ► **LMU München, Germany**

3 Post-Doc and 1 PhD Position in Ensemble Data Assimilation and Predictability

Starting Date: **1 April 2011** or as soon as possible thereafter.

**Links and more job postings at**

>>> [www.emetsoc.org/news\\_meetings/jobs.php](http://www.emetsoc.org/news_meetings/jobs.php)

The session programme

**ECAM:  
applied meteorology**

- AM1>> High impact weather: Extreme situations and warnings
- AM2>> Use and problems of high resolution guidance / forecast products
- AM3>> Designing probabilistic forecast products corresponding to customers' requirements
- AM4>> The role of forecasters as providers and customers of forecast products
- AM5>> Verification and quality of probabilistic forecast guidance
- AM6>> Aviation Meteorology
- AM7>> **Special session:**  
*Volcanic ash event 2010*

**Numerical weather prediction**

- NWP1>> Dynamics and predictability of high impact weather in operational forecasting
- NWP2>> Numerical aspects and physical parameterization integration in NWP models
- NWP3>> Data assimilation & use of observations in NWP
- NWP4>> Probabilistic and ensemble weather forecasting applications at short and very short ranges
- NWP5>> Probabilistic medium- and long-range weather forecasting

**Climate**

- CL1>> Climate monitoring, data management and analysis
- CL2>> Climate modelling, long-range forecasting, climate prediction and scenarios
- CL3>> Climate services
- CL4>> Climate reconstructions based on instrumental, documentary and natural proxy data
- CL5>> Climatological references mapping, spatial interpolation & GIS-analysis
- CL6>> Synoptic climatology

**The atmospheric system and its interactions**

- ASI1>> Dynamical Meteorology
- ASI2>> Middle Atmosphere
- ASI3>> Formulation, validation and parameterization of small-scale processes in atmospheric modelling
- ASI4>> Small and large scale air-sea interactions and coastal meteorology
- ASI5>> Advances on space forcing of planetary weather and climate
- ASI6>> Atmospheric measurements from local to regional scale:  
The role of field experiments
- ASI7>> Atmospheric hazards
- ASI8>> Boundary-layer physics and parameterizations in weather and climate models
- ASI9>> Interfacing hydrological and meteorological models in forecasting systems
- ASI10>> **Host topical sessions:** *Urban climate*
- ASI11>> Environmental Meteorology (from local to global)
- ASI12>> Phenology and Agrometeorology
- ASI13>> Energy Meteorology

**Communication and education**

- CE1>> Adaptation strategies
- CE2>> Media and communication
- CE3>> Weather and regional climate information in decision making - best practices
- CE4>> Education
- CE5>> Human biometeorology: methods and information provision
- CE6>> Gender equality

*Forecasting the weather  
– ensemble techniques in probabilistic weather prediction*