



EMS Silver Medal 2011 to Jean-François Geleyn



The EMS Silver Medal 2011 is awarded to Jean-François Geleyn for his outstanding contributions to the fostering of cooperation among scientists in European countries.

Jean-François Geleyn said „I feel tremendously honoured to receive this award. I see this also as a tribute to all my colleagues, in particular, but not only, within the ALADIN, RC-LACE and HIRLAM consortia, who were enthusiastic and supportive in developing such a truly international collaboration. The award is also a great personal stimulus to continue working with young people (such as those currently working within an EU-funded COST action) and see them strive and build on the pan-European networks that have been established in past decades.“

Read more at emetsoc.org/newsarchive/news_20110509.php

The Silver Medal ceremony, which includes the Silver Medal Lecture by Jean-François Geleyn, will be held on Wednesday, 14 September 2011, during the EMS&ECAM in Berlin.

Two workshops at the EMS& ECAM 2011

► Tools for Forecasting High Impact Weather

Sunday, 11 Sept 2011, 9:30 - 16:30
Course fee: 50Euro.

EMS in collaboration with EumetCal is organising a course on Tools for Forecasting High Impact Weather. This course is primarily intended for forecasters, but other participants interested in the subject are also welcome.

During this course we will look at tools that forecasters have available in the forecasting office to support them when times get tough in High Impact Weather situations. The workshop is sponsored by EumetCal.

► Communication Skills for Climatologists

EMS & ARSO workshop
Friday&Saturday, 16-17 Sept 2011
Course fee: 30Euro.

EMS in collaboration with ARSO is organising a training workshop of 1.5 days for climatologists, covering preparation for an interview on TV or radio, preparing a press release and press conference, talking to journalists and the general public, and preparing material for policy makers.

For both workshops read more at meetings.copernicus.org/ems2011/special_events

Participation by pre-registration only.

Please register on the conference website.

Registration Deadline: 30 June 2011

Deadline for award nominations on 23 June 2011:

- EMS Young Scientist Award
- EMS Broadcast Meteorologist Award
- EMS Outreach & Communication Award
- EMS TV Weather Forecast Award

Deadline for Nominations for the **IABM Media award: 28 Aug 2011**

Details on nomination procedures at emetsoc.org/awards/awards.php or see ems-message issue 2011-1.

Young Scientist Travel Awards


- ECMWF Annual Seminar
6-9 Sept 2011, Reading, UK
Deadline: **30 June 2011**
- Topical Meeting on Aerosol
19 Oct 2011, Reading, UK
Four YSTAs are jointly funded by the RMetS and EMS.
Deadline: **02 September 2011**

Agenda

- **Deadline for submissions to the ems-message No. 3-2011**
3 August 2011
- **Deadline for nominations for EMS Media Awards 2011**
23 June 2011
- **13th EMS General Assembly and 25th EMS Council**
11 September 2011, Berlin

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

**12–16 September 2011, Berlin,
Germany.**

850 papers have been submitted to the 11th EMS Annual Meeting and 10th European Conference on Applications of Meteorology (ECAM).

The session programme will become available on the website on 29 June 2011.

The **Opening Session** will include strategic lectures covering different aspects of the conference theme by

Michel Jarraud, WMO

Laura Ferranti, ECMWF

Susanne Theis, DWD

Silvio Tschudi, Allianz Re

An **ECAM Plenary Session** will discuss **“Ensemble forecast products - optimal use for the market?”**

More information at

meetings.copernicus.org/ems2011/special_events

Registration Fees

Deadline for pre-registration is 12 August 2011.

Categories	Pre-Registration		On-Site Registration	
	More than 1-Day		More than 1-Day	1-Day Only
Member 2011 ⁽¹⁾	€340		€370	€210
Non Member	€370		€400	€210
Student	€160		€190	€210

(1) Participants having paid their annual membership fee for 2011 to AMS, ESSL or any of the Member Societies of the EMS, and staff of EMS Associate Members. Please check on the EMS web site if your organisation belongs to the EMS.

Registration deadline for Forcasters' and Communication workshops: 30 June 2011 (see also page 1).

Social Programme:

► Excursion to Lindenberg Meteorological Observatory
Pre-registration is mandatory.

► **Icebreaker Reception Monday 18:45 - 20:45**
Foyer & Exhibition area
Sponsored by DWD

► Conference Dinner Wednesday 19:00 - 22:00
Alte Pumpe (former pump station)
Lützowstraße 42

Pre-registration for the conference dinner is obligatory and you are advised to register as early as possible to secure your participation. Reservations cannot be accepted after 31 August 2011. Ticket price: €55

More information and registrations at meetings.copernicus.org/ems2011



New Innovation Prize in Meteorology

Harry Otten, native and resident of the Netherlands, has been active in meteorology for a long time, the last 25 years as founder and director of Meteo Consult/MeteoGroup, which has become the largest private weather service in Europe.

He sold the company recently and wants to express his gratitude to the meteorological community by creating an endowment that will support a first prize of €25,000 every two years for innovative ideas in meteorology.

The prize encourages individuals and groups (maximum up to 3 persons) to propose new ideas how meteorology can further move society forward in practical ways. In contrast to other prizes, this one will not be awarded for work which has been done in the past. It is intended to encourage new ways of thinking and to help implementing innovative ideas.

Up to three finalists will be invited to the Annual Meeting of the European Meteorological Society (EMS) in Łódź, Poland, in September 2012 to present their ideas. Following the presentations, a jury will select the prize winner.

Registration of prize winning ideas starts 15 September 2011. Applications must be filed before 15 January 2012. For more information about the prize and application procedures please visit <http://www.harry-otten-prize.org>.



EMS New staff member at the EMS Office in Berlin

Andrea Oestreich has recently started work at the EMS Office in Berlin as Assistant to the Executive Secretary.

Andrea graduated in meteorology at the Free University of Berlin. Her diploma thesis dealt with cloud classification from satellite data. As a scientist, mainly at the Institute for Meteorology in Berlin, she related satellite-derived cloud classifications to conventional precipitation data. For a number of years, Andrea has been working as a freelance expert, focused on the determination of cloud type and amount from satellite data and on analysis of Sahelian rainfall in the context of regional development. Currently she is working on combining conventional rainfall measurements with satellite-derived rainfall amount (TRMM) for Sudan.

Andrea has been a member of the German Meteorological Society for 20 years, and in 2009 she was elected to the office of Treasurer of the Berlin-Brandenburg regional DMG-section. She is also a member of the Belgian Société Royale Belge d'Astronomie, de Météorologie et de Physique du Globe.

Andrea will be responsible for Membership accounting and award applications.

Iceland Félag Íslenskra Veðurfræðinga

Profile The Icelandic Meteorological Society is experiencing a growing interest from both meteorologists and the general public. Its three national afternoon meetings every year are free and open for all. They have become well attended events where meteorologists and other weather enthusiasts meet and discuss their common interests. Starting with the Nordic Meteorologist meeting in Helsinki in 2010, each year the society will grant small travel awards to members attending international conferences.

Portugal Associação Portuguesa de Meteorologia e Geofísica

From 28 to 30 March, the APMG in collaboration with the Latin American and Iberian Federation of Meteorological Societies (FLISMET) and the Spanish Meteorological Association (AME) held the APMG 2011 - 7th Symposium on Meteorology and Geophysics, the 12th Luso-Spanish Meeting on Meteorology and the XIV Latin American and Iberian Congress on Meteorology in Setúbal, Portugal. This scientific meeting addressed the theme „Prediction and Modelling in Geophysical Sciences”.

163 participants contributed to the event, including academia, professionals and students of several nationalities, from different parts of the Portugal as well as Argentina, Brazil, Macao-China, Mexico, Peru, Russia, Spain and Uruguay.

The scientific meeting encompassed 91 oral and 34 poster presentations on a number of different fields of meteorology and climatology, geophysics, hydrology, oceanography and related sciences. The presentations were followed by a plenary discussion focused on “Prediction and Modelling in Geophysical Sciences”, chaired by specialists from different areas. The relevance of the theme and the quality of the key note presentations prompted a good response from the audience.

The social program included a tourist tour to Arrábida Natural Park, a reception offered by the Setúbal Municipality and a lively dinner.

Hungary Magyar Meteorológiai Társaság

Jean-François Geleyn: honorary member of the Hungarian Meteorological Society

On 16 June 2000, Jean-François Geleyn was awarded honorary membership of the Hungarian Meteorological Society. At the time no official award ceremony could be held, but Jean-Francois was invited to give an inaugural talk, and the certificate would be handed over at that occasion.

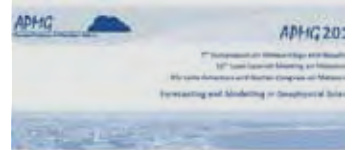
On 28 March, 2011 Jean-François visited the Hungarian Meteorological Service to give his lecture about his experiences concerning international collaboration on Limited Area Modelling with special emphasis on the ALADIN and HIRLAM co-operations. His talk was preceded by the ceremony at which Zoltan Dunkel, the president of the Hunga-

Inside EMS



EMS Members

vedur.org



Opening Ceremony

www.apmg.pt
simposio.apmg.pt

www.mettars.hu

EMS Members

www.meteorologforeningen.no

rian Meteorological Society, finally presented the certificate of honorary membership to Jean-François. Indeed, many years had passed between the decision of the Hungarian Meteorological Society and the presentation by Jean-François Geleyn, but it was worthwhile waiting as Jean-François could now give a full account of the first two decades of the ALADIN project.

Norway **Forskerforbundets meteorologiforening**

Profile: The Norwegian Meteorological Society ("Norsk Meteorologiforening" or NMF) was founded in 1962 as a trade union society after a break-out from the trade union of Meteorological Civil Servants ("Meteorologisk Tjenestemannslag"). From 2000 onwards, NMF has been a member of the Norwegian Association of Researchers ("Forskerforbundet").

As such, NMF has two main objectives: i) to provide meteorologists access to a union and this is the political side of NMF; ii) to serve as a professional body for the promotion of meteorology as a science. For NMF to achieve these objectives, it carries two hats and has a political and a professional/scientific branch. Usually, NMF's members are associated with both these, but it is also possible to belong to only one of these branches. The union representation of the NMF is open to employees at the Norwegian Meteorological Institute, and this branch looks after the employees' interests.

The objectives of professional/scientific branch include the promotion meteorology and scientific issues relevant to its members and improve cooperation nationally and internationally. NMF is open for all members of the Norwegian Association of Researchers who have an association with meteorology.

Today, NMF has about 180 members, working at the Norwegian Meteorological Institute (85% of members) and a variety of other institutions. In 2002 NMF became a member of the EMS.

NMF's main activity is concentrated around the bi-annual steering meeting. Other than that, NMF distributes travel support (upon application) for conferences, such as the Nordic Meteorologists' Meeting, the EMS/ECAM/ECAC conferences, as well as other conferences arranged by sister-societies within Europe. NMF is also participating in EMS meetings and conferences. From 2009 to 2011, Matthias Mohr from NMF is representing the Nordic Countries on the EMS Council.

The Nordic Meteorologists' Meeting celebrated its fiftieth anniversary in Helsinki in 2010, in 2004 it was organized by NMF in Bergen.

EUMETSAT **Meteosat Third Generation (MTG) is approved**

All 26 EUMETSAT Member States have now firmly committed to the Meteosat Third Generation (MTG) programme. Consisting of six satellites, MTG will secure Meteosat weather and climate data for Europe from 2018 onwards for at least 20 years.

MTG consists of two satellite types. The first type will fly an advanced imaging instrument (FCI – Flexible Combined Imager) and a Lightning Imager (LI). The FCI has sixteen spectral bands (compared to twelve on MSG) and takes full disk images of the Earth in 10 minutes. The LI monitors lightning from space and provides information on occurrence and strength of lightning flashes. There are four satellites with FCI and LI instruments providing a continuous service from MTG with back-up

The second satellite type will have two novel payloads, a hyperspectral sounding instrument (IRS) and a UVN (Ultra-violet, Visible and Near Infrared) instrument measuring aerosol and trace constituents through observations ranging from the UV spectral bands to the near infrared. The IRS will observe the variability of water vapour at small spatial and short time scales. The UVN will provide novel information on the monitoring of air quality. There are two satellites planned with the IRS and UVN instruments.

Through its mission, MTG will introduce major improvements in NWP and Nowcasting of severe weather situations. Key applications will include more timely forecasting of severe thunderstorms which cause heavy precipitation and flooding, improved monitoring of aerosols and volcanic dust clouds, as well as air quality monitoring.

www.eumetsat.int

Bulgaria Establishment of The Bulgarian Meteorological Society as section “Meteorologists” of the Union of Physicists in Bulgaria

Recently, a section “Meteorologists” was established with the Union of Physicists in Bulgaria (UPB). This section is acting as the Bulgarian Meteorological Society and will seek to include more members and unify all professionals with interests in the atmospheric sciences; it has applied for EMS Membership.

Traditionally, the education in meteorology in Bulgaria is performed at the faculty of Physics of Sofia University. Therefore, the physicists-meteorologists in Bulgaria are members of the Union of Physicists in Bulgaria. The section “Meteorologists” starts with 30 members mainly working at the National Institute of Meteorology and Hydrology (NIMH) at the Bulgarian Academy of Sciences (BAS).

NIMH acts both as research institute in all fields of meteorology and as the National Hydro-meteorological Service. The potential of the newly formed section “Meteorologists” is wide, as actions are taken to invite all professionals in the field from other research, education institutions and governmental, as well as from industry.

UPB is a non-profit organization of physicists, whose members include physics teachers from secondary schools and universities, scientists from BAS, and physicists from different areas of economics. Welcome to the Union are students from different physical disciplines, and doctoral students interested in physics as well as colleagues in science who are engaged in interdisciplinary areas of physics such as physical chemistry, biophysics, medical physics, etc. The section “Meteorologists” will in addition work for the membership of professionals working in atmospheric sciences.

The main task of the UPB is to support and coordinate the activities of its members in basic and applied research, the application of physics in industry, medicine, agriculture, environmental protection, as well as secondary and higher education in physics. An important task of the UPB is also the communication of achievements of physical science to the general public. UPB publishes the quarterly magazine „World of Physics”, which is now also available online <http://old.inrne.bas.bg/wop/>.

The physicists-meteorologists, as a distinct group, participate in almost all the initiatives of UPB. In addition, the membership of the Bulgarian physicists-meteorologists in EMS will contribute both to expand collaboration with colleagues from other European countries and to raise the prestige of meteorology for the students and young researchers in Bulgaria.

A fuller account on the society, its activities and history will be provided to the EMS General Assembly in September.

President of the UPB Meteorologists

Ekaterina Batchvarova is a professor in meteorology at NIMH-BAS. She performs theoretical and experimental studies of the atmospheric boundary layer, atmospheric turbulence, air pollution, urban meteorology, wind assessments; this work has been published in more than 50 papers in peer reviewed journals. In addition, she has co-organised several international conferences in Bulgaria and is a member of various steering and scientific committees. Her work on mixed-layer height parameterization is widely used in several meteorological pre-processors for dispersion models.

Ekaterina is currently president of EURASAP, the European Association for the Science of Air Pollution. Also she has international research experience through international projects, as visiting scientist at research centres and universities in Denmark, Italy, France and UK, and involvement in a variety of COST Actions. Ekaterina can be contacted at Ekaterina.Batchvarova@meteo.bg.

EMS Members

phys.uni-sofia.bg/upb

old.inrne.bas.bg/wop



EMS Members

www.ecmwf.int

ECMWF New Member States and Co-operating States

Accession agreements have been signed with Iceland on 9 March 2011 and with Slovenia on 8 April 2011 which will lead to Iceland becoming an ECMWF Member State on 1 June 2011 and Slovenia following suit later in 2011. Negotiations on accession agreements are progressing well with Croatia, and also with Hungary and Poland. As full Member States, they will acquire full voting rights at the ECMWF Council from the date of the enforcement of the agreement. Also a portion of the Centre's computer and archive resources will be allocated to them for their own use.

A co-operation agreement between ECMWF and the former Yugoslav Republic of Macedonia came into force on 9 February 2011. The former Yugoslav Republic of Macedonia became ECMWF's sixteenth Co-operating State. Co-operation agreements offer full access to ECMWF real-time products, archive data and software tools, as well as access to ECMWF training facilities.

New model cycle implemented at ECMWF

A new cycle of the ECMWF forecast and analysis system, Cy37r2, was implemented on 18 May. The new cycle includes a number of improvements: in particular the use of flow-dependent background errors in the data assimilation, reduced AMSU-A observation errors and improvements to cloud scheme formulation.

The changes show clear benefits in terms of objective upper-air scores in the medium range. Temperature and winds are improved throughout the troposphere in the extra-tropics. The improvements to the cloud scheme increase the humidity in the upper troposphere, providing a better fit to observations and improving humidity scores in the extra-tropics in the early forecast range. The new cycle also includes a significant technical change: WMO FM-92 GRIB edition 2 (GRIB-2) will be used for the encoding of model-level data; GRIB-1 model-level data will no longer be produced and disseminated.



Greece Elliniki Meteorologiki Etaireia

The new president of the Hellenic Meteorological Society is Panagiotis Nastos; he is Associate Professor at the Department of Geography and Climatology of the University of Athens, and Director of the Laboratory of Climatology and Atmospheric Environment.

The HMS has a new web presentation at www.EMTE.gr, the English version will become available in the near future.

HMS is currently preparing the 11th International Conference in Meteorology, Climatology and Atmospheric Physics (COMECAP2012), that will take place 30 May-1 June 2012 in Athens. For details visit the site: <http://comecap2012.geol.uoa.gr/>.

www.emte.gr

United Kingdom Royal Meteorological Society

A weather test designed to assess the reliability of weather forecasters

The Weather Test, backed by the UK Today programme, is a unique and ambitious collaboration between BBC News, the Royal Meteorological Society, the Royal Statistical Society, the Royal Astronomical Society and independent academics and weather forecasters. The aim is to show the public how far they can rely on the accuracy of different weather forecasters over periods from a day to a season.

There have been long technical debates through the year over the rules of the test. The protocol has been available for public consultation via the web and public meetings, and the steering group is currently considering all the responses. Once the protocol is agreed, a selection of forecasters will be invited to take part. The aim is to launch the project by the summer, and publish results over a four-year period.

The draft protocol, under which the forecasters' results will be tested, is available via the Weather Club website at

http://www.theweatherclub.org.uk/useruploads/files/bbc_weather_test_protocol.pdf

www.rmets.org

Great British Weather Experiment

When the Weather Club was launched by the RMetS last September, it was decided to mark the start of this new venture with a nationwide experiment called the Great British Weather Experiment. This event was very successful, with hundreds of school-children and amateur weather enthusiasts all over the country entering thousands of observations.

The Great British Weather Experiment returned on 1 June for one month and will focus the temperature and rainfall variations across the British Isles. After a record breaking April, which was the warmest and driest on record for some parts of the UK and an exceptionally dry March, we are keen to monitor the rainfall amounts during June as well as the variations in maximum temperature both nationally but also on a local scale. By asking schools and members of the public to take weather observations we hope to study the different microclimates across the UK and the long term impact of local rainfall amounts. This will be one of the largest weather experiments in Britain, and we will aim to beat our record of 2,000 observations collected during the last Great British Weather Experiment in 2010.

OPAL Weather Roadshow takes to the Road: The OPAL Weather Roadshow is a collaborative activity between the RMetS, OPAL (OPen Air Laboratories) and the Met Office which was developed during 2010 and took to the road in March.

The OPAL Weather Roadshow is a travelling exhibition visiting several public events in the next six months and examining different aspects of the weather, climate and the atmosphere in a fun and educational way. The content has been designed to appeal to a broad range of age groups from primary school children to adults and the first four week long events have been extremely successful.

RMetS staff have worked with school groups for hour-long sessions and activities including cloud spotting, making clouds in bottles, generating tornadoes, measuring the weather with anemometers, infrared thermometers and the weather station, completing climate surveys and making television weather forecasts. For more information about the trailer or further events visit www.opalexplornature.org/WeatherRoadshow.

WMO Congress reappoints Mr Michel Jarraud as Secretary-General

The 16th WMO Congress, meeting in Geneva, reappointed Michel Jarraud as the WMO Secretary-General for a third four-year term. Michel Jarraud has been Secretary-General since 2004, after joining WMO Secretariat as Deputy Secretary-General in January 1995. Before joining WMO he had held senior posts within ECMWF and Météo-France. Michel Jarraud will give a strategic lecture at the Opening Session of the EMS&ECAM 2011, on 12 September 2011 in Berlin.

At the Congress the President and Vice-Presidents of the organisation were elected:

- President: David Grimes, Permanent Representative of Canada
- First Vice-President: Antonio Divino Moura, Permanent Representative of Brazil
- Second Vice-President: Prof. Mieczyslaw S. Ostojski, Permanent Representative of Poland
- Third Vice President: Mr Abdalah Mokssit Permanent Representative of Morocco

The Congress meets every four years to determine the strategic plan, programmes, budget and office holders of the Organization.

WMO Fellowship Fund Appeal: In an effort to meet the increasing demand from WMO Developing Country Members for assistance in human capacity development, on 23 March 2011, World Meteorological Day, WMO launched an appeal to help increase the number of Fellowships the WMO awards through the WMO Fellowship Programme.

WMO is appealing to organisations which share the commitment to weather and climate science and service delivery with the intent of supporting colleagues in developing countries, to become involved and advocate and help foster existing practitioners and young talent, and invite personal donations to the WMO Fellowship Fund.

EMS Members

theweatherclub.org.uk

[opalexplornature.org/
WeatherRoadshow](http://opalexplornature.org/WeatherRoadshow)

Community news

www.wmo.int

Meetings

www.plinius.org

XIII EGU Plinius Conference on Mediterranean Storms: disasters and Climate Change - know to adapt

7–9 September 2011, Savona, Italy.

The conference will cover a wide range of topics related to extreme events in the Mediterranean, including: (i) the causes and physics of extreme events; (ii) the possible changes in behavior of extremes resulting from climate change; (iii) advanced techniques of observation; (iv) modeling and forecasting techniques; (v) social impact, information dissemination, sustainable development and emergency management.

Deadline abstract submission: 20 June 2011

www.ecohcc11.ipt.pt

2nd International Conference on Ecohydrology and Climate Change

15–17 September 2011, Tomar, Portugal.

The aim of EcoHCC'11 is to bring together researchers in the areas of Climate, Ecohydrology, Soils, Environment and Water with the aim of sharing experiences and promoting the integration of these themes as a multidisciplinary framework.

Deadline abstract submission: 15 July 2011

www.ttorch.org

TTORCH Summer School 2011: Challenges in measurement and modeling of greenhouse gas concentrations and fluxes

27 September – 4 October 2011, Hyytiälä Forestry Field Station, Finland.

The school will be organized in three sections: Atmospheric composition, Atmospheric measurements and Atmospheric modeling. The last two sections will each include a practical session. Lecturers include: Christoph Gerbig, Martin Heimann, Sander Houweling, Jürgen Kesselmeier, Maarten Krol, Ingeborg Levin, Anders Lindroth, John Moncrieff, Xavier Rodó, and Timo Vesala. The school is mainly oriented to PhD students, but a number of PostDocs and master students preparing to start a Doctorate will be accepted, as well as scientists or technicians new in the field.

For application procedures visit the website www.ttorch.org. **Deadline 15 June 2011**



www.smf.asso.fr

Symposium on Climate Change: impacts and adaptation

4 October 2011, Paris, France.

The Société Météorologique de France is holding a symposium on climate change adaptation. The scientific committee is chaired by Jean Jouzel, SMF President, and Stéphane Hallegatte, a climate change specialist of Météo France.

www.agu.org/meetings/chapman

AGU Chapman Conference on Advances in Lagrangian Modeling in the Atmosphere

10–14 October 2011, Grindelwald, Switzerland.

Trajectory-based („Lagrangian“) atmospheric transport and dispersion modeling has gained in popularity and sophistication over the previous several decades. It is common practice now for researchers around the world to apply Lagrangian models for a wide spectrum of applications. **Submission Deadline 7 June 2011.**

www.rmets.org/events/detail.php?ID=4578

RMets National Meeting, supported by the EMS Why aerosol matters: Advances in observations, modelling and understanding impacts, 19 October 2011, Reading UK.

From dust storms to volcanic ash, forest fires to urban air pollution, clouds to climate change, the effects of aerosol are significant and widespread. The meeting will highlight the progress that has been made in observations, modelling and understanding the impacts of aerosol in our atmosphere.

Registration is required for this meeting. Four Young Scientist Travel Awards jointly funded by RMets and the EMS are available. For details on YSTAs see www.emetsoc.org/awards.php.

48th Oholo Conference Emerging Remote Sensing Techniques and Associated Modeling of Air Pollution Applications 6–10 November 2011, Eilat, Israel.

The topics include:

- Detection and mapping of gaseous and aerosol plumes
- Aerosol/droplets measurement and characterization
- Wind, turbulence and measurement profiling and retrieval
- Networks and sensor-data fusion
- Field campaigns and test beds
- Model development and validation using remote-sensed data
- Assimilation of remote-sensed observations in numerical models

19th International Congress of Biometeorology: Climate and Society

4–8 December 2011, The University of Auckland, Auckland, New Zealand

The overall aim of ICB2011 is to explore the links between climate and society. This is because a central ethos of the interdisciplinary science of Biometeorology is the desire to understand interactions between atmospheric processes and living organisms. Given this we anticipate the participation of scientists including social scientists and health scientists from a wide range of fields.

10th International Conference on Southern Hemisphere Meteorology and Oceanography **23–27 April 2012**, Nouméa, New Caledonia,

This conference will be held under the auspices of the American Meteorological Society (AMS) in collaboration with Institute of Research for Development and Météo-France. Abstracts for papers and posters will be due by **15 September 2011** and the early registration deadline will be **18 January 2012**.

BALWOIS Fifth International Conference on Water, Climate and Environment

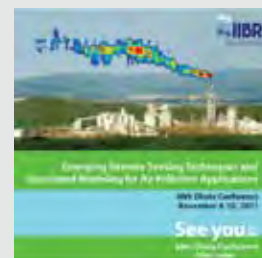
28 May – 2 June 2012, Ohrid, FY Republic of Macedonia.

The Fifth International Conference BALWOIS 2012 on Water, Climate and Environment will be held in Ohrid, FY Republic of Macedonia.

To submit an abstract registration on BALWOIS Conference management web site is required (do not forget to check the box “author” in the form):

ocs.balwois.com/index.php?conference=BALWOIS&schedConf=BW2012&page=user&op=account. For full information visit the website.

Meetings



oholoconference.com

www.icb2011.com

10icshmo.org

balwois.com/2012

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