



# EMS

*ANNUAL REPORT*

European Meteorological Society

# 2012

The Society's Annual Report is submitted to the  
EMS General Assembly  
by the EMS Council

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## Message from the President



Dear colleagues and friends,

I hope you will enjoy reading the Annual Report 2012 of your European Meteorological Society.

Though the EMS has very limited resources, participation of Member Societies and Associate Members in its activities can bring significant benefits. One of last year's activities was to review those benefits in order to make sure that all our members are aware of what is available and thereby take full advantage of them (see page 4).

A key benefit of the EMS is the support it provides for the exchange of information between all components of the meteorological community within Europe. EMS has become the natural place for developing cooperation. This is a win-win situation as it provides a European context for building on areas of strength whilst giving opportunities for gaining information and even support in other areas.

The main tool for facilitating exchanges of information is the EMS Annual Meeting. This was EMS's first objective when it was created, as it was only achievable at the European level. The Annual Meeting is now a well-established event on the European calendar and its 2012 occurrence in Łódź, coupled with the biennial Conference on Applied Climatology, was particularly successful in that respect: it provided an excellent environment for discussion within a vibrant community, including not only a majority of scientists but also many representatives of the media, the private sector and industry (see page 5).

Another very successful event in 2012 was the second Europhotometeo competition which attracted superb participation, both in number and quality (see page 8). This activity is also a very good example of how EMS benefits its members: it is an activity that was initiated by a national meteorological society (the AME) and could reach a European audience thanks to the EMS; the pictures are available to all EMS Members for non-commercial purposes.

On a more personal basis I was particularly happy that it was my duty to present the 2012 EMS Silver Medal to Tim Palmer with whom I have been working for 12 years at ECMWF. The EMS awards are now well established, and they support the development of young scientists within Europe as well as recognizing outstanding personal achievement. It is also very good news that the organisers of the newly created Harry Otten Prize have decided that the EMS Annual Meeting would be the right place to present it (as the IABM has done with its media awards on several occasions); this acknowledges, and contributes to, the importance of this meeting on the meteorological calendar.

Finally the EMS contributes to ensuring all European meteorological actors are represented at the global level (see page 9). This is the case for the Global Meeting Three of the International Forum of Meteorological Societies (IFMS) which both the EMS and RMetS will be hosting at the end of the Annual Meeting in Reading in September 2013.

Dominique Marbouty, EMS President

### MISSION STATEMENT

The European Meteorological Society (EMS) will advance the science, profession and application of meteorology, and of sciences related to it, at the Europe-wide level, for the benefit of the whole population.

...

In particular, EMS will work to achieve better communication and understanding amongst the individual members of the European meteorological community under the auspices of Member Societies and Associate Members.

## Membership and benefits

At the end of 2012 the EMS had 36 Member Societies and 30 Associate Members. The Italian private service provider *Epson meteo – clima e ambiente* joined the EMS as Associate Member in 2012.

The founding of the EMS was aimed at facilitating and enhancing the exchange of information between the national meteorological societies, and creating a forum for the wider meteorological community in Europe where developments and challenges affecting communities across borders could be discussed and initiatives developed.

Today the role of the EMS is to support and enhance the activities of its Members by:

- Creating a European context for the varied activities of Member Societies and Associate Members.
- Holding the EMS Annual Meetings to provide a forum for exchange and discussion for the entire meteorological community on a European scale.
- Increasing the exchange of information between meteorological societies thereby providing each society with the opportunity to learn from the experience of others and pick up new ideas and thus enhance benefits for their own membership.
- Establishing access to an additional information channel for posting meetings, jobs and activities that are targeted at a specific audience.
- Making available a mechanism by which many individual members of the meteorological community can get involved in an initiative undertaken by a specific Member Society (e.g. the photo competition instigated by AME).
- Supporting gifted young scientists in Europe through provision of travel grants that enable them to participate in scientific meetings, exchange ideas and get feedback on their work, and thus build networks that are important for their future careers.
- Promoting the contributions of individuals within the meteorological community and beyond by highlighting excellence in young scientists (through the Young Scientist Award) and the outstanding achievements of meteorologists (through the EMS Silver Medal and the Media Awards).
- Enabling individual members of Member Societies and staff of Associate Members to benefit from reduced registration fees at EMS Annual Meetings.
- Enabling individual members of Member Societies to benefit from the co-sponsoring society registration rate at the AMS Annual Meetings and reduced registration fees at the European Conference on Severe Storms.
- Gaining support from WMO and other international organisations that could not be easily provided by individual Member Societies.
- Providing assistance for topical and regional meetings organised by EMS Members.
- Allowing the use of photos submitted to the EMS Europhotometeo competition for non-commercial purposes.

### ***Support for Members' and topical meetings***

In 2012 the EMS supported the second conference on *Challenges in meteorology*, organised by the Croatian Met Society, by providing financial assistance for a key note speaker. Also the national meeting on *Renewables and the future of energy meteorology*, organised by the Royal Meteorological Society jointly with the Environmental Physics Group, the UK Wind Engineering Society and the European Meteorological Society, was supported through promotion of the event amongst the European community.

## 12th EMS Annual Meeting

The central objective and motivation for the foundation of the EMS was to establish a forum for exchanging information and experience between national meteorological societies and to facilitate the development of collaboration on a European level. The Annual Meeting is the main activity of the EMS to achieve that goal.

The joint EMS Annual Meeting & European Conference on Applied Climatology (ECAC) has developed into a very successful biennial event. The EMS & ECAC 2012, planned in collaboration with the European Climate Support Network (ECSN) of EUMETNET, the Meteorological Section of the Polish Geophysical Society (PTG), the University of Łódź and the Polish Institute of Meteorology and Water Management (IMGW) was a very interesting meeting. Almost 400 researchers, forecasters and service providers from all sectors of climatology, meteorology and related disciplines attended the meeting to discuss future developments of climate services and present and discuss the latest developments in their fields.

With the conference theme 'European Climate Services Capabilities – user needs and communication with stakeholders', it was recognised that many climate services in Europe are increasingly trans-boundary in character. Consequently international collaboration is needed to develop and provide services on a European scale or to serve users at country level when consistency with regions in neighbouring countries is required.

The Opening Session highlighted the challenges and achievements of climate services in Europe through strategic lectures by representatives from WMO, ESA, EUMETSAT, the European Commission, the MiKlip project and ECMWF.

[www.ems2012.eu/special\\_events/opening\\_ceremony\\_programme.html](http://www.ems2012.eu/special_events/opening_ceremony_programme.html)

The first day of the conference was closed with an icebreaker reception that provided a tour through Polish cuisine.

### **Session programme**

The conference programme consisted of 29 sessions in four programme groups. Approximately 150 posters were displayed and 300 oral presentations held during the week. The feedback from participants indicated that overall the presentations were of high quality. More than 90% of the participants expressed overall satisfaction with the quality of the session programme, the attractiveness of the plenary session and the opportunities for exchange. Some criticism was expressed with respect to the poster sessions and this will be taken into account when arranging future events. A fuller summary of participants' feedback is available from [http://www.ems2013.net/ems2013\\_ems\\_and\\_ecac\\_2012\\_feedback.pdf](http://www.ems2013.net/ems2013_ems_and_ecac_2012_feedback.pdf)

### **ECAC plenary session on 'Communication on climate change'**

This was a lively panel discussion, moderated by Szymon Malinowski, Institute of Geophysics, Warszawa University. It focused on various initiatives that assess differences in generally accepted views on human-induced climate change and so-called climate change contrarians.

Introductory presentations were given by Felicity Liggins (Met Office) on Rapunzel scientists: communicating with climate sceptics, Bart Strengers (Netherlands Environmental Assessment Agency) on Scientists surveyed about climate change issues of

"The European Meteorological Society was established to provide a forum for disseminating information and facilitating discussions on a wide variety of themes and issues connected with meteorology, hydrology, oceanography, earth observation and the climate system ..."

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Joanna Wibig, President PTG-Meteorological Section, during the Opening Welcome Address.

public contention, Reija Ruuhela (Finnish Meteorological Institute) on Climate Service Centre and communication in a changing media environment and Rob van Dorland (Royal Netherlands Meteorological Institute) on Dutch initiatives for climate dialogues between mainstream scientists and sceptics. Communicating state-of-the-art knowledge on climate change remains a difficult task. In particular transferring knowledge on uncertainties on various time and spatial scales remains problematic.

### Award Ceremonies

For the first time all awards were presented during a ceremony on the Wednesday afternoon. The EMS President, Dominique Marbouty, led the session and presented travel awards to eight young scientists who received support from the EMS to attend the conference. Also the Young Scientist Award was presented to Annika Seppälä from Finland, and the Outreach & Communication Awards to the Norwegian project Kypflygning and the Irish Meteorological Society Committee. In addition, the winner of the Outstanding Poster Award was announced (see below) and the Harry Otten Foundation made two honourable mentions and gave a presentation on what the jury sees as innovative and potentially prize-winning ideas.

The highlight of this session was the presentation of the Silver Medal to Tim Palmer who was honoured for his pioneering work on predictability of weather and climate and for his outstanding skills and commitment in communicating the underlying concepts to non-specialists and the general public in Europe and beyond. The laudatio was given by Dominique Marbouty and the Laureate gave the Silver Medal Lecture entitled *Towards the Probabilistic Earth-System Simulator: A Vision for the Future of Weather and Climate Prediction*. The presentation can be downloaded from the conference website: [www.ems2012.eu/special\\_events/silver\\_medal-lecture.html](http://www.ems2012.eu/special_events/silver_medal-lecture.html)

### Outstanding Poster Awards (OPA)

The Outstanding Poster Award was established in 2009 to highlight excellent quality posters presented at the



Poster exhibition



Audience at opening session



Young Scientist Travel Award recipients with EMS President

EMS Annual Meeting. In Łódź the poster by J.E.J. Eyre, D.M. Hollis, M.C. Kendon, T.P. Legg and M.J. Prior from the UK Met Office on 'UK climate trends, as revealed by statistics for 1981-2010', was selected. The selection committee, consisting of Ingeborg Auer (Austria), Sven-Erik Gryning (Denmark), Jean Pailleux (France), Rajmund Przybylak (Poland), and the chair Hans Richner (Switzerland), summarised why the poster was selected:

*"The optical, pictorial appearance of the poster is unique and different from any mainstream presentation: The reader is taken step-by-step in a circular pattern through a well laid-out sequence of climate investigations. The scientific quality is high. The most recent climate trends in the U.K. are clearly presented and brought into context with long-term trends. The latter are depicted in an again creative manner as frame around the primary analysis. The results are of high value for any climate-dependent medium to long term planning issues in the U.K."*

The award includes one registration fee waiver for the EMS & ECAM 2013 in Reading and the certificate will be presented during the award ceremony at that event. The poster will again be shown during the EMS & ECAM in September 2013 in Reading.

### Side meetings and and training workshop

A number of organisations used the opportunity of the conference to arrange workshops, management meetings or seminars. These included the workshops on:

- Capacities and tools to increase benefits of the WMO RA VI Pilot Regional Climate Centre (RCC) Network to NMHSs.
- Future work on homogenisation
- Implementation of a Climate Watch System in RA-VI in the context of GFCS.

After the first successful training workshop for forecasters in Berlin in 2011, a workshop on Using CM SAF Data for Climate Applications was organised on the Sunday preceding the conference, in collaboration with the Satellite Application Facility on Climate Monitoring at DWD (CM SAF), EUMETSAT and EumetCal. Members of CM SAF gave an overview of the data and services

currently being provided as well as future plans. Also the participants were given the opportunity to present their applications and to share their experiences of using CM SAF data. The CM SAF team, Jörg Trentmann and Christine Träger-Chaterjee from DWD, were supported by Heleen ter Pelkwijk (EMS and EumetCal). The workshop programme is available from [ems2012.eu/workshops/saf\\_climate\\_monitoring.html](http://ems2012.eu/workshops/saf_climate_monitoring.html).

### ***The exhibition***

With three stands the exhibition at the EMS & ECAC was rather small, but those companies and institutions that attended were satisfied with the visits and response to their presentations. Located in the central foyer and catering area they enjoyed attention during coffee breaks.

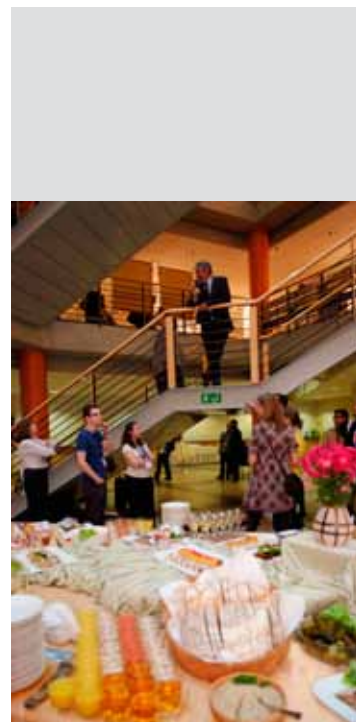
The atmosphere at the conference was very lively and inspiring. In general it was felt that the meeting was also a superb networking opportunity. The venue, the Faculty of Management of the University of Łódź, provided an ideal setting and the feedback suggests participants were satisfied with the venue, the conference programme – scientific and social – and the organisation. Many participants were pleasantly surprised to discover Łódź and its vibrant university.

### ***Publications and photo gallery***

Webstreams of the opening session and the awards ceremony are accessible from the main conference site. Photos of some of the scientific and social events of the conference together with some impressions from the conference atmosphere are published there as well. All contributors had the option of uploading the slides of their oral presentations and posters to the meeting programme site. These are available alongside the schedule and abstracts for many contributions.

### ***EMS & ECAC 2012 PROGRAMME AND SCIENCE COMMITTEE***

Erik Andersson (ECMWF)  
 Horst Böttger, Chair (EMS)  
 Tanja Cegnar (EARS, Slovenia)  
 Ben Dieterink (HMEI)  
 Krzysztof Fortuniak (University of Łódź, Poland)  
 Jochen Grandell (EUMETSAT)  
 Paul Hardacker (RMetS, UK)  
 Sylvain Joffre (FMI, Finland)  
 Martina Junge (EMS)  
 Haleh Kootval (WMO)  
 Danuta Limnikowa (IMGW, Poland)  
 Ewen McCallum (MetOffice)  
 Olivija Morell (MeteoMak, FYR of Macedonia)  
 Jean Pailleux (France)  
 Heleen ter Pelkwijk (NVBM, The Netherlands)  
 Hans Richner (SGM, IACETH, Switzerland)  
 Dennis Schulze (PRIMET)  
 Aryan van Engelen (ECSN)  
 Joanna Wibig (PTG and University of Łódź, Poland)



*Icebreaker and exhibition in the foyer of the Department of Management, University of Łódź*








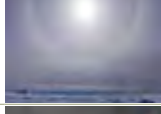
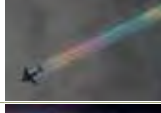

Following the huge interest in the first Europhotometeo competition in 2009, a second contest was initiated in 2011 with the winning entries being made public by the end of March 2012. For this second contest participation was facilitated by direct uploading of entries to the photo gallery on the EMS website. More than 400 photos showing meteorological phenomena were submitted. As for the previous contest, the organisation of the competition was in the hands of the Spanish Meteorological Society (AME).

The jury for the selection of the winning entries consisted of the presidents of all EMS Member Societies plus the EMS Council members. At the same time a public opinion poll was opened with everyone eligible to participate. The winner of the competition chosen by the jury was Vittorio Poli with his '*Land of fairy tales*', taken in the Italian Alps. The first ten selected entries are listed in the table on the right.

A booklet containing the stories about how the photos came to life for these top ten entries, together with some information about the photographers, was produced by Emily Gleeson of the Editorial Board; a slideshow of these and other entries to the contest was also produced.

Comprehensive information on the Europhotometeo is available at <http://www.emetsoc.org/awards/europhotometeo>, the photo gallery with the results of the public opinion poll – that gave a different result – is directly accessible at <http://www.emetsoc.org/publications/photo-galleries/europhotometeo-12>.

The Europhotometeo is an excellent example of the role of the EMS: it allowed an initiative of a national meteorological society to reach the European scale.

Points	Photo	Title	Photographer
119		The Land of Fairy Tales	Vittorio Poli
75		Teide Hat	Iván Medina Delli
72		Broken Spectre from the Cliffs of Moher	Sean Tomkins
65		Aurora Borealis over Tromsø	Hanneke Luijting
56		The Storm	Pedro Esteves
53		Apotheosis	Tony Le Bastard
52		The Fury of Aeolus	Eric Pirrotta
49		Winter Sun Ring	Daniel Goetz
44		Colorfull Contrail	Stef Van Ingelgom
43		Cloud Surfing	Anthony Byrne

Winning entry: *The Land of Fairy Tales* by Vittorio Poli



2nd prize: *Teide Hat* by Iván Medina Dello



3rd prize: *Broken Spectre from the Cliffs of Moher* by Sean Tomkins





## International Collaboration

The EMS, as an international European organisation, strives to maximise the effectiveness of its activities through collaborating and linking with other organisations in the meteorological, climatological and related areas that share the aims of the EMS.

The contacts and exchange with the “sister organisation” in North America, the American Meteorological Society (AMS), has been very important from the start, and an agreement on mutual exchange of experience and information was quickly established. This agreement, which details arrangement for mutual attendance of Annual Meetings and the exchange of publications and promotion of the other society’s events, was signed in 2002. After it had been extended for five years in 2007 both societies agreed to continue this fruitful collaboration.

The collaboration with the European Severe Storms Laboratory (ESSL) was instigated shortly after the foundation of ESSL in 2006 and built on existing collaborations within the scientific programme of the EMS Annual Meetings. An agreement, signed in 2007, has now been extended and includes mutually granting reduced registration fees for non-members at conferences and provision of travel support for young scientists at meetings organised by ESSL.

A newly-initiated collaboration is the agreement with the Harry Otten Foundation that awards the Harry Otten Prize for Innovation in Meteorology. In 2012 the prize was announced for the first time. With this prize the aim is to recognize innovative ideas about how meteorology can make society safer, deliver cost savings and bring more welfare to large groups of people. The two organisations agreed that the final competition, selection of the winner and presentation of the Award is organised as part of the EMS Annual Meeting & ECAM conferences, with a biennial cycle from 2013 onwards. The EMS also has a long-standing collaboration with the International Association of Broadcast Meteorologists (IABM) that contributes substantially to the Media Session at the EMS Annual Meeting and in some years presents the IABM Media Award as part of that session.



We are Member of the International Forum of Meteorological Societies (IFMS).



Agreement of Understanding between the European Severe Storms Laboratory (ESSL) and the EMS.



Agreement of Understanding between the World Meteorological Organisation (WMO) and the EMS.



Agreement of Understanding between the American Meteorological Society (AMS) and the EMS.



Collaboration in the organisation of the biennial European Conference on Applied Climatology (ECAC).



The Harry Otten Prize for Innovation in Meteorology is presented during the EMS Annual Meeting & ECAM.



The IABM Award is presented during the EMS Annual Meeting.

“EMS will work to achieve better communication and understanding amongst the individual members of the European meteorological community”

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*J. Marshall Shepherd (AMS, left) and Dominique Marbuty after having signed the agreement.*



*Harry Otten making honorable mentions at the awards ceremonies on 12 September 2012 in Lodz.*

## Publications

The programme of publications and information provision by the EMS is continually developed and reviewed in order to ensure that there is a rapid exchange of information on activities within the European meteorological community. The only printed publication that the EMS produces (complemented by its online version) is the Annual Report. All other publications are now available only online to ensure their prompt and easy access. The Editorial board oversees all publications, and supports the Executive Secretary in the development of content for the *ems-message* and the website.

### Website

The most important tool of communication between EMS and its Member organisations, as well as communication to the interested community beyond, is the presence of the EMS on the Internet at [emetsoc.org](http://emetsoc.org).

The website was overhauled in 2011, with the main objective of making the site more accessible with interesting information directly displayed on the entry page. The intention is to give more room to activities of the Member organisations of the EMS and thus enhance the information flow on activities and exchange of experience between meteorological societies.

### *ems-message*

The *ems-message*, an online newsletter, was established in 2008 and aims to facilitate the prompt exchange of information amongst the meteorological community, its individuals and organisations. It has developed into a means of communicating information on activities of EMS Members, as well as activities and announcements by the EMS.

### Social Media

In 2012 the EMS made first steps in communicating news on activities, awards and the conferences through social media channels, primarily on a dedicated site on facebook. The intention is to provide information channels for all user groups.  
<https://www.facebook.com/EuropeanMetSociety>

### **Publication of contributions to the EMS Annual Meeting and ECAC 2012**

As in recent years, a number of convenors of sessions held at the EMS Annual Meeting and European Conference on Applied Climatology acted as guest editors of '*Advances in Science and Research*', the Open Access Proceedings of the EMS, and 16 manuscripts are published. This is the seventh volume of the EMS Annual Meeting proceedings and all are available at <http://www.adv-sci-res.net/volumes.html>.



In addition, authors were given the opportunity to upload lectures as well as posters presented during the conference to the conference website alongside their abstracts and the programme schedule: <http://meetingorganizer.copernicus.org/ems2012/meetingprogramme>.

### Media DVD

In the Media Session of the EMS Annual Meetings, developments in broadcast weather forecast techniques and communication to the general public are discussed. The DVD that is produced from this session includes the presentations given in the session and papers that resulted from the discussions at the Meetings. The DVD is distributed to communication professionals in the area of meteorology in Europe, participants of the Media Sessions and is also included in the material for the EMS Annual Meeting and ECAM that will take place in September 2013. It can also be directly requested from the EMS.

### **Europhotometeo publications**

In addition to photos submitted to the Europhotometeo competition being permanently available in the photo gallery on the EMS website, a number of publications were produced on the outcome of the contest. More details are given in the earlier item about the second Europhotometeo competition (page 8).

## Awards and Prizes

The Awards Programme of the EMS recognizes outstanding achievements of meteorologists through the EMS Silver Medal and the Media Awards, acknowledges excellence in young scientists through the Young Scientist Award, and provides travel support for young scientists in the early stage of their career. Recently the Outstanding Poster Award has been established to recognize and highlight good practice in conference poster presentations.

### EMS Silver Medal

The recipient of the EMS Silver Medal 2012 is Tim Palmer from the University of Oxford and ECMWF. This was awarded for his pioneering work on predictability of weather and climate and for his outstanding skills and commitment in communicating the underlying concepts to non-specialists and the general public in Europe and beyond. Tim Palmer's work has been instrumental for the current understanding of climate dynamics, and weather and climate predictability. His research spans a



Silver Medal Lecture by Tim Palmer

wide variety of areas, from the theoretical to the practical, for issues related to the predictability and dynamics of weather and climate. On the theoretical side, he is especially interested in aspects of the climate system that exhibit non-linear behaviour, for example where atmospheric processes on different space and time scales interact. This has led him to recast the basic equations for climate prediction as stochastic rather than deterministic.

The laudatio was given by Dominique Marbouty who, through his former capacity as Director-General of ECMWF, has an intimate knowledge of the work of the Laureate.

Matching the citation the Laureate gave a Silver Medal Lecture entitled *Towards the Probabilistic Earth -System Simulator: A Vision for the Future of Weather and Climate Prediction*. The presentation can be downloaded from [meetings.copernicus.org/ems2012/special\\_events/silver\\_medal\\_lecture.html](http://meetings.copernicus.org/ems2012/special_events/silver_medal_lecture.html).

### Young Scientist Award

The Young Scientist Award was given to Annika Seppälä from the Finnish Meteorological Institute: She was selected for her outstanding publication "Geomagnetic activity and polar surface air temperature variability". The Award was presented on 12 September 2012 at the EMS Annual Meeting & ECAC 2012 in Łódź, Poland.

Annika Seppälä received her PhD in 2007. Her work treated the effects of solar storms and the associated solar charged particles on the neutral atmosphere. A major result of this research was the first confirmation from observational data that solar storms lead to significant amounts of NO<sub>x</sub> being produced in the polar mesosphere and stratosphere and that these amounts are maintained and transported downwards during the darkness of the polar night.



Young Scientist Award for Annika Seppälä



Silver Medal being handed to Tim Palmer (right)

**Media Awards**

Three Awards concerning media and communication were announced. Due to the low number of nominations or submissions neither the EMS Broadcast Meteorologist Award nor the TV Weather Forecast Award were given. For the Outreach and Communication Award, however, two projects were found to be worthy of the award. The selection of the media awards is the task of committees specifically established for each award, with the members assigned each year by the EMS Council. Details can be found at [www.emetsoc.org/governance-structure/project-teams-committees/media](http://www.emetsoc.org/governance-structure/project-teams-committees/media).

**Outreach and Communication Award**

The Outreach and Communication Award was established to highlight projects and initiatives that explore new ways to communicate the science of meteorology, climatology and related fields to the general public and strive to improve the quality and efficiency of communication to the public and specific user groups.

In 2012 two initiatives are highlighted with the EMS Outreach & Communication Award:

- Kappflygning, a weather book for children.
- Outreach Activities of the Irish Meteorological Society Committee 2010 – 2012.

Kappflygning, the weather book for children, is an outstanding example how educational material on meteorology to young children can be presented in an exciting and playful way. The book links adventures and interesting stories about a bird race to educational material and meteorology-related science experiments that children can do themselves at home.



The initiative for this book came from the board and active members of the Norwegian Meteorological Society; the authors are four meteorologists and physicists with a passion for communicating science to children and young people: Ingunn Burud, Lars Robert Hole, Hans Olav Hygen and Anders Sivle.



*Lars Robert Hole, Hans Olav Hygen and Anders Sivle receiving the award from the EMS President*

The Irish Meteorological Society Committee 2010 – 2012 undertook various initiatives to communicate the science and history of weather and climate to a wider audience and different groups of the general public. The project reached an impressive number of participants, from 300 on a weekend field trip to 2,500 visiting a 10-day weather exhibition, with presentations well tailored to the audiences in subject and depth.

Opportunities for one-to-one discussions with scientists about science are an unbeatable way to educate lay people and these were amply available throughout the various projects. All these projects show high potential to increase interest and awareness of weather and meteorology, climate and its changes in future. All the events are well documented with slides, posters and podcasts.



*Paul Halton, accepting the award on behalf of the Committee*

The Committee consisted of: Emily Gleeson, Sinead Duffy, Dominic Foley, Kieran Commins, Paul Halton, Liam Burke, Denis Fitzgerald, Sarah Gallagher, Morgan Geraghty, Evelyn Cusack (and Aodhagán Roddy R.I.P).

### Young Scientist Travel Awards (YSTAs)

Most awards are given as travel support for young scientists in the early stage of their career. As a result they can participate in international conferences that provide opportunities for exchanging information and developing their expertise. In 2012 the EMS made 19 Young Scientist Travel Awards for participation in eight events. These have supported young scientists from 15 countries: Croatia (1), Finland (1), France (1), Hungary (1), Ireland (1), Italy (3), Latvia (1), Norway (1), Russian Federation (1), Spain (3), Switzerland (1), Turkey (1), UK (1), Ukraine (1), USA (1). Two of these awards have been funded by EUMETSAT for the 2012 EUMETSAT Meteorological Satellite Conference.

Reports provided by award recipients are available at <http://www.emetsoc.org/awards/travel-awards-ystas>.

12th EMS Annual Meeting and 9th ECAC 10 – 14 September 2012 Łódź, Poland	<b>Zanita Avotniece</b> University of Latvia, Riga, Latvia
	<b>Philip Bett</b> Met Office Hadley Centre, Exeter, United Kingdom
	<b>Veronika Maslova</b> Marine Hydrophysical Institute, Sevastopol, Ukraine
	<b>Ildikó Pieczka</b> Eötvös Loránd University, Budapest, Hungary
	<b>Carlos Román-Cascón</b> Universidad Complutense de Madrid, Spain
	<b>Mariano Sastre Marugán</b> Universidad Complutense de Madrid, Spain
	<b>Victoria Sinclair</b> University of Helsinki, Finland
8th International Conference on Air Quality 19 – 23 March 2012, Athens, Greece	<b>Svetlana Tkachuk</b> Hydrometeorological Centre of Russia, Moscow, Russia
5th BALWOIS 28 May - 2 June 2012, Ohrid, FYRO Macedonia	<b>Efsio Solazzo</b> European Commission Joint Research Centre, Ispra, Italy
28th Nordic Meteorologists' Meeting 4 - 8 June 2012, Copenhagen, Denmark	<b>Meltem Çelen</b> Gebze Institute of Technology, Gebze, Turkey
6th Earth Observation Summer School on Earth System Monitoring and Modelling 30 July – 10 August 2012, Frascati, Italy.	<b>Igor Ivichev</b> Norwegian Meteorological Institute. Bergen, Norway
	<b>Ruggero Avezano</b> University of Tor Vergata, Rome, Italy
	<b>Philipp Rastner</b> Department of Geography, University of Zuerich, Switzerland
<i>Best poster awards</i>	<b>Elizabeth Wong</b> University of Miami, USA
15th Conference on Mountain Meteorology 20 - 24 August 2012, Steamboat, USA	<b>Lavinia Laiti</b> University of Trento, Italy
ECMWF Annual Seminar, 3 – 7 September 2012, Reading, UK	<b>Virginie Guémas</b> Institut Català de Ciències del Clima, Barcelona, Spain
2012 EUMETSAT Meteorological Satellite Conference 3 – 7 September 2012, Sopot, Poland	<b>Paul John Alexander</b> National University of Ireland
	<b>Pauline Martinet</b> Météo-France/CNRM, France
	<b>Petra Mikuš</b> Meteorological and Hydrological Service, Croatia
<i>Two of these awards were funded by EUMETSAT.</i>	

## Finance 2012

The balance as at 31 December 2012 has decreased by 5 455.06€ as compared to 31 December 2011.

### Summary Statement of Financial Activities for the Year 2012:

All financial figures are given in Euro.

	2012	2011
<b>INCOME</b>		
Income Societies Membership Fees	24 442.06 <sup>a</sup>	29 261.07
Income Associate Membership Fees	38 589.43 <sup>b</sup>	39 200.57
Annual Meetings	31 329.21	23 708.25
Other	3 193.04 <sup>c</sup>	2 659.58
Interest	302.84	0.00
<b>TOTAL INCOME</b>	<b>97 856.58</b>	<b>94 829.47</b>
<b>EXPENDITURE</b>		
Salaries (incl. expenses for employer)	69 212.41	67 519.64
Banking charges	116.90	163.85
Travelling	8 708.47	6 635.88
Office costs	900.75	1 207.11
Honoraries, Fees, Insurances	4 340.48	4 523.76
Awards	12 824.20	12 300.55
Publications	4 717.30	7 862.63
Committees and Project Teams	447.38	0.00
Support Members and topical meetings	141.40	
Workshops	0.00	1 231.86
Other costs	0.00	195.10
VAT Other	1 897.08 <sup>d</sup>	0.00
Other taxes	5.27	0.00
<b>TOTAL EXPENDITURE</b>	<b>103 311.64</b>	<b>101 640.38</b>
INCOME – EXPENDITURE	-5 455.06	-6 810.91
<b>ACCOUNT BALANCE 31 DECEMBER</b>	<b>84 274.86</b>	<b>89 729.92</b>

*a. Membership Fee 2012:*

*includes Membership Fees Member Societies 2011: 528.00€*

*b. Associate Membership Fee 2012:*

*includes Membership Fees Associates 2011: 1 000.00€*

*c. Other income:*

*includes tax from the Annual Meeting 2012: 2 193.04€*

*and donation for two YSTAs by EUMETSAT: 1 000.00€*

*d. VAT Other:*

*includes tax on license fee (Annual Meeting): 1 659.58€*

*and on AME invoice*

**Audit** The financial accounts have been audited on 12 June 2013 by the auditor appointed by the EMS General Assembly 2012. The auditor's report will be submitted to the EMS General Assembly 2013.

Auditor:

Clemens Kucklick

Kantstraße 151

10623 Berlin

Germany

www.ckucklick-wp.de

**COMMITTEE MEMBERSHIP****COMMITTEE ON MEETINGS**

Horst Böttger (Chair, DMG, Germany)  
 Sylvain Joffre (FMI, Finland)  
 Jean Pailleux (SMF, France)  
 Olivija Morell (Meteo Mak, FYROM)  
 Heleen ter Pelkwijk  
 (NVBM, The Netherlands)  
 Hans Richner (SGM, Switzerland)  
 Martina Junge

**AWARDS COMMITTEE**

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 EUMETSAT)  
 Sarah Jones (DMG, Germany)  
 Guðrún Nína Petersen (VeF,  
 Iceland)  
 Jenni Rauhala (FMI, Finland)  
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Christophe Billard (SMF, France)

**STAFF**

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 Martina Junge  
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*THE FREE UNIVERSITY OF BERLIN  
 KINDLY HOSTS THE EMS SECRETARIAT  
 AT THE PREMISES OF THE  
 INSTITUTE FOR METEOROLOGY.*

**EUROPEAN METEOROLOGICAL SOCIETY**

registered: Vereinsregister Amtsgericht  
 Berlin-Charlottenburg VR 21170 B

**Auditor:**

Clemens Kucklick  
 Kantstraße 15  
 10623 Berlin  
 Germany  
[www.ckucklick-wp.de](http://www.ckucklick-wp.de)

**Bank Account:**

Deutsche Bank  
 BIC/SWIFT DEUTDE33  
 IBAN DE84100700240881777700

**EMS COUNCIL**

From 9 September 2012 the  
 following Council held office:

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**VICE-PRESIDENT**

Bob Riddaway

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Jean-Pierre Chalou

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 Joanna Wibig (PTG-Meteorological  
 Section, Poland)

c/o Institut für Meteorologie

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**EMS MEMBER SOCIETIES 2012**

**ANDORRA** ASOCIACIÓ DE METEOROLOGIA I CIENCIES DE L'ATMOSFERA D'ANDORRA

**AUSTRIA** ÖSTERREICHISCHE GESELLSCHAFT FÜR METEOROLOGIE

**BELGIUM** SOCIÉTÉ ROYALE BELGE D'ASTRONOMIE, DE MÉTÉOROLOGIE ET DE PHYSIQUE DU GLOBE

**BULGARIA** AVIOMETEOROLOGICAL CLUB OF BULGARIA  
BULGARIAN METEOROLOGICAL SOCIETY

**CROATIA** HRVATSKO METEOROLOSKO DRUSTVO

**CYPRUS** CYPRUS METEOROLOGICAL ASSOCIATION

**CZECH REPUBLIC** ČESKÁ METEOROLOGICKÁ SPOLEČNOST

**DENMARK** DANSK METEOROLOGISK SELSKAB

**FINLAND** GEOFYYSIKKOJEN LIITTO  
GEOFYSIIKAN SEURA

**FRANCE** SOCIÉTÉ MÉTÉOROLOGIQUE DE FRANCE

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**ITALY** SOCIETÀ METEOROLOGICA ITALIANA  
ASSOCIAZIONE ITALIANA DIE AGROMETEOROLOGIA  
ASSOCIAZIONE GEOFISICA ITALIANA  
UNIONE METEOROLOGICA DEL FRIULI VENEZIA GIULIA

**THE NETHERLANDS** NEDERLANDSE VERENIGING TER BEVORDERING VAN DE METEOROLOGIE

**NORWAY** FORSKERFORBUNDETS METEOROLOGIFORENING

**POLAND** POLSKIE TOWARZYSTWO GEOFIZYCZNE – METEOROLOGICAL SECTION

**PORTUGAL** ASSOCIAÇÃO PORTUGUESA DE METEOROLOGIA E GEOFISICA

**ROMANIA** SOCIETATEA METEOROLOGICA ROMANA

**SERBIA** METEOROLOSKO DRUSTVO SRBIJE

**SLOVAKIA** SLOVENSKÁ METEOROLOGICKÁ SPOLEČNOST

**SLOVENIA** SLOVENSKO METEOROLOŠKO DRUŠTVO

**SPAIN** ASOCIACIÓN METEOROLOGICA ESPAÑOLA  
ASOCIACIÓN ESPAÑOLA DE BIOMETEOROLOGÍA

**SWEDEN** SVENSKA METEOROLOGISKA SÄLLSKAPET

**SWITZERLAND** SCHWEIZERISCHE GESELLSCHAFT FÜR METEOROLOGIE

**UNITED KINGDOM** ROYAL METEOROLOGICAL SOCIETY

**European Meteorological Society****EMS ASSOCIATE MEMBERS 2012****INTERNATIONAL ORGANIZATIONS**

ECMWF (READING, UNITED KINGDOM)  
ESA (PARIS, FRANCE)  
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DEUTSCHER WETTERDIENST (DWD, GERMANY)  
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HUNGARIAN METEOROLOGICAL SERVICE (OMSZ, HUNGARY)  
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NORWEGIAN METEOROLOGICAL INSTITUTE (MET.NO, NORWAY)  
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DEPARTMENT OF HYDROLOGY AND CLIMATOLOGY OF VILNIUS UNIVERSITY (LITHUANIA)