



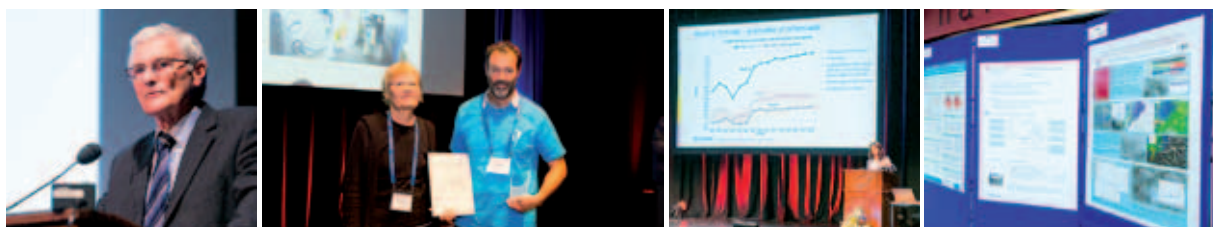
EUROPEAN METEOROLOGICAL SOCIETY

EMS ANNUAL REPORT 2017

The Society's Annual Report
is submitted to the EMS General Assembly 2018
by the EMS Council.



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Awards

The EMS Annual Report is published by the European Meteorological Society (EMS) e.V., and designed and produced by in house staff.

The cover picture has kindly been provided by the Irish Meteorological Society. Madeleine Maria Weber submitted the picture 'Hail Shower' to the IMS photo competition 2012 (www.MadeleineMariaWeber.com).

Photos on pages 2,5, 6, 11 and 13 were taken at the EMS2017 (A. Rowlette).

Message from the President

I felt honoured to be elected as EMS President at the Council meeting in Dublin. I hope that I am able to build on the achievements of my predecessor, Horst Böttger, and continue to enhance the role played by the EMS within the meteorological community.

The EMS Annual Meeting held in Dublin was a great success in terms of the number of participants, the range and quality of the contributions and the impact of establishing three programme streams. Also the venue and the hospitality of our hosts contributed to a productive and enjoyable event. Our thanks go to Paul Halton, who chaired the Local Organising Committee, as well as to the Irish Meteorological Society, Met Éireann, Programme and Science Committee and everyone else who contributed to creating a memorable meeting.

The Annual Meeting is an opportunity to recognise the diverse achievements of the many talented people within the meteorological community. It gave me particular pleasure to award the Silver Medal to Julia Slingo (though unfortunately she was not able to be present) and the EMS Outstanding Contribution Award to Sylvain Joffre because I have personal experience of their achievements. The Awards Committee, led by Guðrún Nína Petersen, and the Technology Achievement Award Committee, led by Ben Dieterink, have the key role of evaluating nominations and making recommendations to Council. Also the Media and Communications Team oversees the media awards.

The EMS depends upon the contributions of volunteers from the Member Societies and Associate Members. We particularly benefit from the people who are willing to give up their time to be members of the EMS's committees and teams. The Media & Communications Team, led by Tanja Cegnar, continues to be very active and provides an important link between the meteorological professionals and those involved in communicating information about weather and climate. Also the newly formed Liaison Committee under the leadership of Emily Gleeson has already improved the ems-message and is seeking ways of enhancing EMS communications. Finally, the Committee on Meetings, with Sylvain Joffre at the helm, continues to play a vital role in planning and developing the Annual Meetings. These are a key EMS activity and an important way of fostering exchange and cross-fertilization of ideas in the meteorological, climatological and related communities.

As well as the committees and teams, the EMS benefits from the commitment and enthusiasm of the members of Council. Thanks go to Renato Colucci (UMFVG, Italy) and Ekaterina Batchvarova (BMG, Bulgaria) whose terms of office have come to an end. They have been replaced by Sven-Erik Gryning (DaMS, Denmark) and Zoltán Dunkel (MMT, Hungary).

The effective and efficient functioning of the EMS depends heavily upon the EMS Secretariat consisting of Martina Junge, Executive Secretary, and her assistant, Andrea Oestreich. My thanks go to them for their contributions to the activities and success of the EMS.

Bob Riddaway
EMS President



EMS President Bob Riddaway

Membership

By the end of 2017 the EMS had 37 Member Societies. In addition, there are 30 Associate Members: National Meteorological and Hydrological Services, Service Providers, Manufacturers, Education and Research Institutions, and International Organisations. Each of these groups can delegate one observer to Council Sessions to represent their specific views on any issue and advise the Council. Three international organisations (ECMWF, ESA and EUMETSAT) have permanent observer status at the Council.

Membership 2017 in numbers

MEMBER SOCIETIES: 37	
<i>Number of states</i>	31
<i>Number of individuals represented</i>	10316
ASSOCIATE MEMBERS: 30	
<i>National Meteorological and Hydrological Services</i>	14
<i>Private Service Providers</i>	6
<i>Manufacturers</i>	6
<i>Education and Research Institutions</i>	1
<i>International Organisations</i>	3

Council and General Assembly 2017

The EMS Council met on 3 September 2017 in Dublin for its 37th Session; the 19th General Assembly convened on the same day, following the meeting of the Council. The following decisions were taken.

- **President Election:** Council elected Robert W. Riddaway (RMetS) as the seventh EMS President. He succeeds Horst Böttger who led the EMS from 2014 – 2017.
- **Council elections:** The following Societies were elected to have representatives on the EMS Council for the term until 2020:
 - > The Hungarian Meteorological Society (MMT), represented by Zoltan Dunkel.
 - > The Danish Meteorological Society (DaMS), represented by Sven-Erik Gryning.

The President expressed gratitude to the outgoing Members, Renato R. Colucci as representative of UMFVG, Italy, and Ekaterina Batchvarova as representative of BMG Bulgaria, for their commitment to the EMS and the important contributions they have made to the work of the EMS Council.

More information about the composition of Council can be found at <https://www.emetsoc.org/about-ems/council/council-composition/>

- **Committees:** There were two important developments.
 - > Emily Gleeson (Ireland) was elected as chair of the Liaison Committee (formerly Editorial Board) and the terms for the committee were extended to emphasize its role in further developing relationships between EMS Members, and the wider meteorological community.
 - > For all Council's committees and project teams, the term of office for all members and the chairs was unified to be three years, with the option for renewal.
- **Collaboration:** The agreements on collaboration with the American Meteorological Society, the European Severe Storms Laboratory and the Solco W. Tromp Foundation were all extended for another five years.
- **Auditors:** The General Assembly appointed Keil GmbH, Wirtschaftsprüfungsgesellschaft – Steuerberatungsgesellschaft, Berlin Germany, as the auditors for the accounts of the year 2017.

The main part of the General Assembly was devoted to the exchange of information on activities of the EMS Members, as well as a discussion about the problems that organisations are facing and the opportunities for further developments. A specific issue this year concerned certification and accreditation mechanisms in different European countries.

17th EMS Annual Meeting

The 2017 EMS Annual Meeting – European Conference for Applied Meteorology and Climatology – was held from 4 to 8 September 2017 at The Helix, Dublin City University, Ireland. It was attended by about 800 participants from 46 countries. Several organisations used the meeting to hold side events or workshops.

The conference theme, "Serving Society with better Weather and Climate Information", highlighted a key challenge for the meteorological and climatological communities: how best to harness the wealth of data now available – both observational and modelled – to generate and communicate effectively relevant, tailored and timely information thereby ensuring the highest quality support to users' decision-making.

Strategic lectures and many of the discussions reflected the importance of collaboration involving the entire spectrum of the actors, stakeholders, practitioners and decision makers. The conference enjoyed a relaxed and productive atmosphere, not least due to the friendly welcome by the Irish hosts and the many social events planned by them to entertain the participants.

Statistics, videos and other detailed information from the conference are available through the following links:

- EMS2017 country statistics of participants
- EMS2017 Conference TV: Highlights and Interviews

Programme

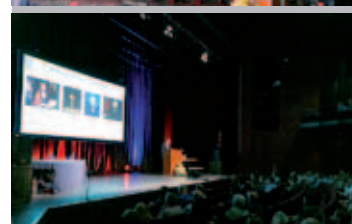
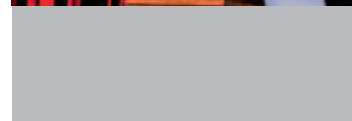
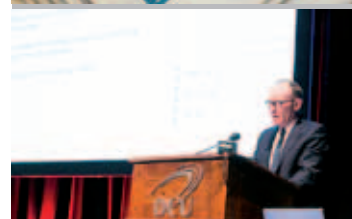
In preparation for the EMS2017 conference, the session programme was reorganised into three Programme Streams:

- Engagement with Society (ES)
- Operational Systems and Applications (OSA)
- Understanding Weather & Climate Processes (UP)

The aim was to facilitate interactions and convergence of science branches, applications, and actors: this is the core objective of the EMS Annual Meetings. The Programme and Science Committee had developed a new framework that highlights the core purposes, channels, and challenges of meteorological and climatological research and applications and thus offers better opportunities for cooperation and multidisciplinary activities.

The conference programme consisted of 45 sessions with 500 oral presentations and 320 poster presentations during the week; poster pitches of 1-2 minutes provided the opportunity for all poster authors to present the content during the oral sessions and invite colleagues to their poster. After the conference, 125 (28%) of the oral and poster presentations were uploaded by the authors and are available for the public from the session programme together with the abstracts.

A new feature of the conference programme was the introduction of the plenary keynote presentations on Tuesday, Wednesday and Thursday. At the start of the day these provided an overview related to each of the new Programme Streams. These talks were much appreciated and well attended by participants, and the concept will be kept for future Annual Meetings.



Exhibition

The exhibition, consisting of four stands in the central foyer, enjoyed plenty of attention during coffee breaks. Kipp & Zonen B.V., manufacturer of radiation measurement equipment, provided information about their products and future plans. PRIMET, the association of private service providers in Europe, informed about their activities; the organisation also arranged a session of Cloud computing and data distribution in collaboration with ECOMET. In addition, the Copernicus Climate Change Service operated by ECMWF exhibited at the EMS, and the publisher and exhibition organiser UKI Media & Events presented up-to-date information on their latest publications and activities in areas relevant to the participants of the meeting.

Outstanding Poster Award

Ilari Lehtonen from the Finnish Meteorological Institute and his colleagues were selected for the Outstanding Poster Award 2017.

The poster described the high-resolution projections for soil frost conditions in Finland with regard to timber harvesting and transport availability. This poster shows a fantastic combination of a clear and concise message underpinned by sound science and good presentation involving an innovative approach. This work is not only applicable to Finland, but more broadly to other parts of the world at similar latitudes, and contributes to the field of climate services. The poster can be viewed at https://www.ems2017.eu/outstanding_poster_award.html.

Feedback from participants

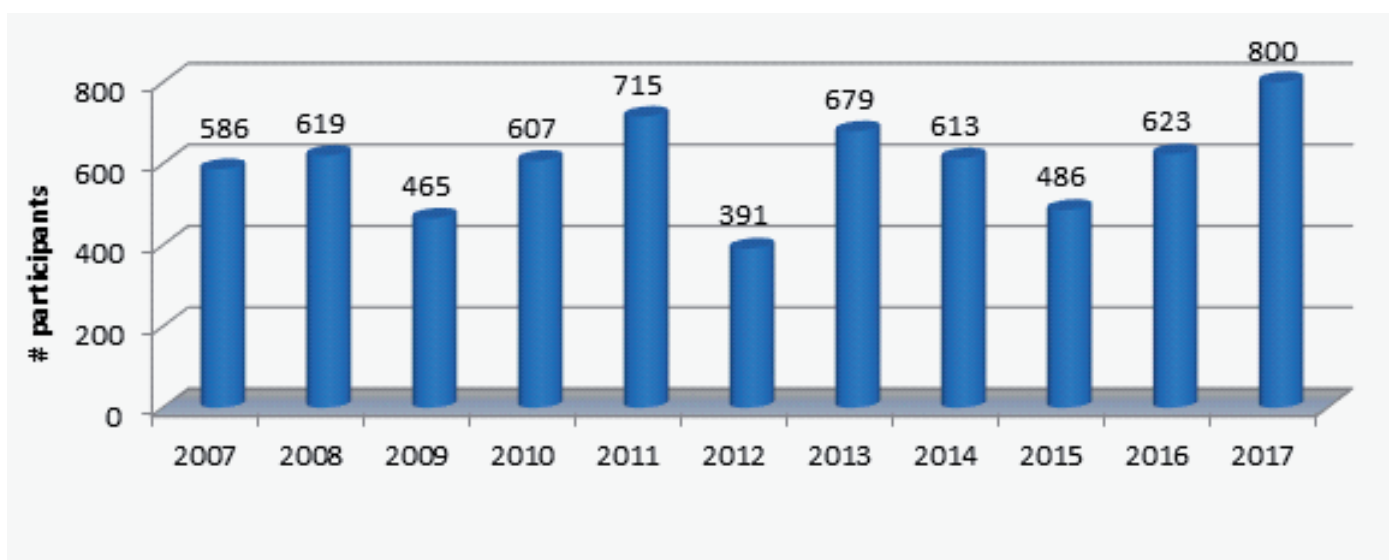
Participants were asked to give feedback through an online survey that was open for 7 weeks after the conference: 143 people provided their assessment and comments. Summary slides on the results were published at <https://www.ems2017.eu/ems2017-survey-results.pdf>.



2018, 2019, 2020 Events

The EMS Annual Meeting in 2018 will be held in Budapest, Hungary: 3–7 September 2018, Corvinus University. Venues for subsequent meetings are:

- **2019: Copenhagen, Denmark: 9–13 September 2019,** Technical University of Denmark, Lyngby Campus
- **2020: Bratislava, Slovakia: 7–11 September 2020,** University of Economics
- **2021: Barcelona, Spain: 6–10 September 2021,** Historical University



Communication, sharing of information, publications

The main objective of communication and publication activities is to share information on the activities of EMS Members, provide examples of good practice, and facilitate the sharing of experience and exchange of ideas between the Members. The channels of communication include the website, the electronic newsletter *ems-message*, and the Annual Reports. Also activities using social media networks have been developed over recent years. In addition, short conference papers of the EMS Annual Meetings are published in *Advances in Science and Research* and discussions at the General Assembly play an important role in the exchange of information.

Liaison Committee (LC)

In 2017, the Editorial Board that hitherto oversaw these publications, was transformed into the Liaison Committee with new terms of reference:

<https://www.emetsoc.org/about-ems/project-teams-committees/liaison-committee/>

The main objectives and tasks of the committee include:

- Overseeing and further developing relationships with EMS Members and the wider meteorological community;
- Further developing relationships between EMS Members.

Emily Gleeson, Irish Meteorological Society, was appointed as LC chair by the EMS Council and recruited new members to the committee. The first actions were to implement a survey on views of the EMS Member Societies and to make the *ems-message* more attractive and relevant to the Members and the community. As a result, contacts to all EMS Member Societies were intensified, and input for the website and the *ems-message* invited on a more regular basis.

Website and Social Media

The most important tool of communication between EMS and its Members is the EMS website emetsoc.org. It provides information about the activities of the EMS as well as other initiatives and events of interest to the meteorological community:

- Information on each Member and links where to find more details.
- News section dedicated to the activities of Member organisations.
- Interview of the month with the President of an EMS Member Society.
- Many resources and links, plus announcements of awards and job opportunities.

The EMS also posts information about current activities on:

- Facebook: <https://www.facebook.com/EuropeanMetSociety>.
- Twitter: <https://twitter.com/EuropeanMetSoc>.
- Streams of conference interviews and highlights are available on YouTube.

ems-message

The *ems-message* is an e-mail newsletter highlighting news items on emetsoc.org.

- The frequency with which the *ems-message* is issued is now to 6-8 weeks.
- Posts are published around the day the *ems-message* is sent out.
- The majority of posts contain interesting information about activities, events and new initiatives by EMS Members.
- Additional information about the activities of EMS, job announcements, upcoming conferences, and deadlines related to EMS awards are provided.
- Submission of material can take place through: publications@emetsoc.org.
- For each issue of the *ems-message*, one member of the committee takes the lead in coordinating the preparation of the material.
- Subscription to the *ems-message* is possible through the website.

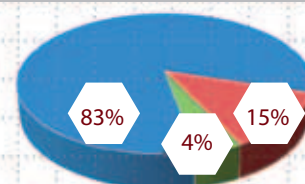


Composition of the LC in autumn 2017



ems-message January 2018

How often would you like to receive the ems-message?



Members mostly prefer to receive the *ems-message* monthly.



Conference Proceedings

Contributions to the EMS Annual Meetings can be published as short conference papers in *Advances in Science and Research - Contributions in Applied Meteorology and Climatology*.

Advances in Science and Research (ASR) is the international journal of the European Meteorological Society (EMS) for contributions in applied meteorology and climatology. ASR publishes original contributions on (a) advances in understanding weather and climate processes and (b) the development of operational systems and applications of meteorology, climatology, and related disciplines. This also includes new challenges and the role of communication, education and training, and engagement with society for the profession and its practices. ASR-CAMC is an open-access journal for contributions presented at the annual meetings of the EMS and other related events.

Submissions to this journal undergo a peer-review. Convenors of sessions at the EMS2017 volunteered as guest editors for their specific topics.

EMS Survey on communications and networking: some results

- One of the interesting findings was that nearly all the Member Societies have a mixture of professional, academic and amateur members, with the proportion of amateur members varying between about 10% and 75%.



- About one third of Member Societies run events in collaboration with other meteorological societies or meteorological services. It is recognised that collaboration is desirable, but language and finance are significant constraints.
- *ems-message*: About a third of Member Societies distribute the *ems-message* to its members. Most of the other Member Societies sometimes distribute it, though a small number never do.
- 28% indicated that EMS should aim at having a more active presence on social media, while 64% indicated "maybe".

EMS ANNUAL MEETING 2019

European Conference
for Applied
Meteorology and Climatology

9 - 13 September 2019
Technical University
of Denmark
Lyngby Campus
Copenhagen, Denmark

*photo by Jacob Schjørring & Simon Lau
provided through Wonderful Copenhagen*

International Collaboration

The EMS as an international organisation strives to maximise the effectiveness of its activities by providing links and exchanging information with other organisations in meteorological, climatological and related areas. The following gives some examples in international collaboration.

Tromp Awards

The EMS Tromp Award was established in 2015 as a collaboration between the Tromp Foundation and the EMS. This award, funded by the Tromp Foundation, is aimed at promoting biometeorology in Europe, and is given for an outstanding achievement in biometeorology. The agreement between the Tromp Foundation and the EMS concerning both, this collaboration and awards for young scientists, has been extended for five years.



The EMS Tromp Award 2017 was presented to Stéphanie Horion, University of Copenhagen, Denmark, who was nominated for her paper: "Revealing turning points in ecosystem functioning over the Northern Eurasian agricultural frontier", published in April 2016 in *Global Change Biology*: <http://onlinelibrary.wiley.com/doi/10.1111/gcb.13267/abstract>.

The Tromp Foundation also provided funding for young scientists to participate in the EMS Annual Meetings and present contributions in the area of biometeorology. Three young researchers selected in 2017 were:

- Anastasia Bleta, Greece: "Cardiovascular admissions related to particulate matter from 2.5 μm to 80 μm in Heraklion, Crete Island, Greece".
- Michail I. Varentsov, Russian Federation: "Investigation of urban-caused mesoclimatic features of Moscow megacity".
- Olga Gommershtadt, Russian Federation: "Modeling of summer thermal comfort conditions of Arctic city on microscale".

Harry Otten Prize

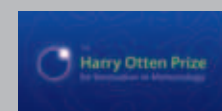
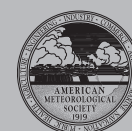
The Harry Otten Prize for Innovation in meteorology recognises innovative ideas about how meteorology can make society safer, deliver cost savings and bring more welfare to large groups of people. The final competition, selection of the winner and presentation of the prize form part of the EMS Annual Meetings every second year.

- **Finalists.** Three finalists presented their ideas in a special session at the EMS Annual Meeting in Dublin on 4 September 2017.
- **Awards Ceremony.** The winner, Lee Chapman from the University of Birmingham, UK, was awarded €25 000, for his idea of using low-cost sensors and the Internet of Things to advance weather forecasts.

The other two finalists, Tom de Ruijter (The Netherlands) and Gert-Jan Steeneveld together with Sytse Koopmans (The Netherlands) received €2 500 each. For more information about the prize go to

<https://emetsoc.org/wp-content/uploads/2017/09/Press-Release-Sept-2017.pdf>

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Outreach & Media

The Media & Communications Team investigates the way presentations have an impact on the public, serves as a forum for exchange of experience between meteorologists working in the media in different countries, and cooperates with weather presenters that are members of the International Association of Broadcast Meteorologists (IABM), AMS and other organisations.

Communications Workshop

The Fifth European Communications Workshop for NMHSs was held on 4 and 5 September 2017 in Dublin, alongside the EMS2017. Organised by WMO, EUMETSAT, ECMWF and EMS, the workshop was attended by communication specialists from European meteorological services and other organisations, broadcast meteorologists and climatologists. The workshop provided an important opportunity for participants to share experiences and examples of best practice. The workshop covered such diverse topics as serving the meteorological community, from social media to emerging digital media, communicating uncertainty from short-term to seasonal forecasting, implementing activities associated with World Meteorological Day 2018: "Weather-ready, climate-smart", understanding what insurers can contribute to increase resilience against weather extremes, and communicating climate change to the general public.

Media Awards

One of the central objectives of the EMS since its foundation has been the exchange of views on how to improve communication of meteorological and climatological information between developers, users and decision makers, and to the general public. The EMS Media Awards were established to highlight outstanding examples and achievements in this area.

The **EMS Outreach & Communication Award** was presented to "Le train du climat & ses messagers" for its very innovative and original concept to develop an

exhibition on a train, as a catalyst for discussion and debate about climate change issues, between scientists and cultural mediators present on board and the general public. The exhibition was built as a narrative story using a combination of state-of-the-art outreach methods to educate the public. On its 3-week journey around France and 19 stopover cities on the eve of the Paris accord negotiations in 2015, the train reached 23,000 people plus ~3,000 school children and ~1,000 decision makers and elected representatives. It also received extensive coverage in media, which included TV, radio and newspapers. The project achieved its main goal of advancing climate literacy and contributing to science-based policy making and individual actions, by raising public awareness and delivering a nationwide message about climate change.

The idea of a train-based outreach tool for climate has been taken up in 2016 by Morocco for COP22 in Marrakesh and a new edition of "Le train du climat" was planned in France again for 2017–2019, with a special focus on solutions on a regional scale.

The biennial **EMS Journalist Award** was presented to Astrid Rommetveit who is a journalist with the



Astrid Rommetveit
(photo NRK)

Norwegian Broadcasting Corporation, NRK. As a journalist, she specializes on issues associated with weather and climate, committing herself to tell important stories to a broad public audience: 'I want to show the big picture by telling "small" stories, often focusing on single persons'. Astrid

Rommetveit received the EMS Journalist Award for her very important work in helping to bridge the gap in understanding between experts and non-experts as illustrated by three articles published on the popular Norwegian websites Yr.no and NRK.no:

- Oddvar has devoted his life to the rain (29.11.2015)
- Preparing the world's largest experiment (19.03.2017)
- Battling the contrails (02.04.2017)



"Le train du climat & ses messagers" on tour through France

Astrid Rommetveit covers complex topics and presents them in an understandable and accessible way, without oversimplifying them. Overall she takes one of the most important missions of journalists seriously, which is to give the reader the full capacity to understand a complex topic.

For the **EMS TV Weather Forecast Award** eight video clips of TV weather forecasts were submitted, and the forecast produced by Helga van Leur (The Netherlands) was selected to be given the award with the following citation:

The entry demonstrated that Helga van Leur combines weather and climate in her presentation in a way that makes it relevant and interesting to viewers; adding climate-related information to the forecast was very helpful. Helga has clearly honed her presentation skills with great use of voice, facial expressions and arm movements to convey the message, supported by her graphics.

Helga van Leur holds a Master's Degree in Soil, Water and Atmosphere (Wageningen University, 1994), is certified in marketing (1997) and took Courses in Psychology related to Communication in Sustainability and Climate Change (2014–2017).

Among the entries two more excellent presentations were selected to receive an Honourable Mention:

- Chloé Nabedian, France Televisions
- Jarosław Kret, Nova TV (Poland)

All three TV weather forecasts were shown as examples of good practice during the Media and Communication Session at the EMS Annual Meeting 2017 in Dublin.



Helga van Leur during the EMS 2017 Media Session, talking about her experience.



Participants of the EMS2017 Media Session grouping around the TV Award Winner and the Session Chair.

Awards

The Awards Programme of the EMS honours outstanding achievements of meteorologists through the EMS Silver Medal, the Technology Achievement Award 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. The Outstanding Poster Award highlights good practice in poster presentations at EMS Annual Meetings, and the Outstanding Contribution Award recognises important contributions to the development of the Society.

The presentation of all awards, including the Outstanding Poster Award 2016, the EMS Tromp Award and Tromp Foundation Travel Awards, as well as the Harry Otten Prize for Innovation in Meteorology, took place during the Awards Session at the EMS Annual Meeting in Dublin on 5 September 2017; the stream of this session can be viewed on the EMS YouTube Channel.

Young Scientist Travel Awards

Most awards are given as travel support for young scientists in the early stage of their careers. As a result, they can participate in international conferences that provide opportunities for communicating their work, exchanging information and developing expertise. In 2017, the EMS funded 10 Young Scientist Travel Awards for participation in five events. These have supported young scientists from seven countries: Germany (1), Italy (2), Russian Federation (2), Romania (1), Spain (2), UK (1), Ukraine (1). EUMETSAT funded one of the YSTAs for the EUMETSAT Satellite conference. Reports provided by award recipients are available at <https://www.emetsoc.org/awards/award-category/young-scientist-travel-awards/>.

OpenIFS Workshop

Trieste, Italy

- Lenka Novak, University of Reading, UK

ICAM 2017

Reykjavik, Iceland

- Tanja Portele, DLR Oberpfaffenhofen, Germany
How do orographic and non-orographic gravity wave events during DEEPWAVE compare in measurement and ECMWF model data?
- Marco Falocchi, University of Trento, Italy
Lidar observations and high-resolution modelling of a wind jet at the exit of the Isarco Valley (Italy)

European Conference on Severe Storms

Pula, Croatia

Anna del Moral, University of Barcelona, Spain

New adjustments to the 3D convective cells identification applied to severe weather study cases

EMS Annual Meeting 2017

Dublin, Ireland

- Inna Gubenko, Hydrometeorological research center of Russia, Russian Federation
An explicit method of mesoscale convective storm prediction for Central region of Russia
- Maria Kurbatova, Hydrometeorological research center of Russia, Russian Federation
Analysis of different wind gust forecast approaches
- Marco Reale, Abdus Salam International Centre for Theoretical Physics, Italy
Climatology of explosive cyclones using a multi-tracking approach
- Jon Ander Arrillaga Mitxelena, Universidad Complutense de Madrid, Spain
Mesoscale-turbulence interactions in the ABL dynamics: a 10-year study in Cabauw (Netherlands)

2017 EUMETSAT Meteorological Satellite Conference

Rome, Italy

- Oleksandr Krivoshein, Ukrainian Hydrometeorological Research Institute, Kyiv, Ukraine
Satellite monitoring of humic substances in Kyiv Reservoir (Ukraine)
- Robert Chiritiescu, Romanian National Meteorological Administration, Bucharest
The Validation of ASCAT Soil Moisture Data with In-Situ Measurements

EMS Silver Medal

The recipient of the EMS Silver Medal 2017 is Julia Slingo, United Kingdom. She was honoured for her outstanding contributions to meteorology and climate predictions. She has led the work that brought new understanding of monsoons and intra-seasonal variability associated with the Madden-Julian Oscillation. As a strong advocate of seamless weather and climate prediction she was at the forefront of its development and implementation. Through her inspirational leadership she facilitated joining together strong relationships, frameworks and networks.

The laudation was delivered by Florence Rabier, Director-General of ECMWF. Unfortunately Julia Slingo was not able to attend the ceremony; she will give the envisaged Lecture as a Strategic Talk at the Opening Session of the EMS Annual Meeting 2018; the lecture is entitled: *"The Changing Landscape of Climate Risk"*. The video of the laudation is accessible on YouTube.

Outstanding Contribution Award

The recipient of the Outstanding Contribution Award 2017 is Sylvain Joffre, chair of the EMS Committee on Meetings. He was honoured for pursuing and advancing the growth of the Annual Meeting activities of the Society through continuous and exceptional dedication to international networking and connecting diverse communities.

Young Scientist Award

The Young Scientist Award 2017 was presented to Juha Aalto, Finland, for his publication entitled: "New gridded daily climatology of Finland: Permutation-based uncertainty estimates and temporal trends in climate", J. Aalto P. Pirinen and K. Jylhä, *Journal of Geophysical Research: Atmospheres*, 2016, vol. 121, issue 8, p. 3807-3823. doi: 10.1002/2015JD024651.

Juha Aalto gave a Young Scientist Award Lecture entitled *"Developing a new gridded daily climatology for Finland"* at the EMS Annual Meeting in Dublin.

Award Presentations at the
EMS Annual Meeting



Julia Slingo. (photo private)



Sylvain Joffre receiving the certificate of the
Outstanding Contribution Award from the
EMS Treasurer Heinke Schlünzen.



The Young Scientist Awardee Juha Aalto
receiving the award certificate

Our Resources - Financial Accounts 2017

The balance as at 31 December 2017 has increased by 51 353.21€ as compared to 31 December 2016.

Summary Statement of Financial Activities for the Year 2017:

All financial figures are given in Euro.

	2017	2016
INCOME		
Income Societies Membership Fees	19 732.85	19 732.85
Income Associate Membership Fees	36 400.00 ^a	36 590.00
Annual Meeting license fee	91 516.18	32 152.87
Other	6 906.13 ^b	2 250.70
Interest	36.45	38.08
TOTAL INCOME	154 478.54S	90 764.50
EXPENDITURE		
Salaries (incl. expenses for employer)	80 336.52	78 291.10
Committees and Project Teams	0.00	0.00
Awards	6 605.81	7 276.89
Europhotometeo	0.00	2 469.04
Workshops	0.00	0.00
Publications	1 226.35	667.52
Honoraries, Fees, Insurances	4 469.55	4 988.76
Travelling	7 042.93	11 751.69
Banking charges	60.90	25.20
Office costs	1 055.40	521.32
Other costs	77.17	0.00
VAT Other	2 250.00	0.00
Support Members and topical meetings	0.00	0.00
TOTAL EXPENDITURE	103 125.33	105 991.52
INCOME – EXPENDITURE	51 353.21	-15 227.02
Payments on fixed assets	0.00	0.00
ACCOUNT BALANCE 1 JANUARY	114 656.75	129 883.77
ACCOUNT BALANCE 31 DECEMBER	166 009.96	114 656.75

a. Associate Membership Fee 2017 includes Fees 2016: 600.00€
includes Fees 2018: 1 000.00€

b. Other income: tax on license fee Annual Meeting 2017: 6 406.13€

Audit The financial accounts have been audited on 13 June 2018 by the auditor appointed by the EMS General Assembly 2017. The auditor's report is submitted to the EMS General Assembly 2018.

Auditors:

Dipl.-Finanzwirt
 Matthias Keil
 Wirtschaftsprüfer
 Steuerberater
 Palisadenstr. 40
 10243 Berlin
 Germany

COMMITTEE MEMBERSHIP**COMMITTEE ON MEETINGS**

Renate Hagedorn (Germany)
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