

ANNUAL REPORT 2020



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

EUROPEAN METEOROLOGICAL SOCIETY 2020

Photo on the cover was a contribution to the Europhotometeo 2020: Sweeping the mountain tops by Rémi Carbonaro

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01 Message by the President

The year 2020 is clearly marked by the COVID pandemic, which has also impacted the activities of EMS. As such the normally very successful EMS Annual Meeting had to be cancelled and was replaced by three half-day online dialogues. One of the dialogues focussed on the outbreak of the COVID-19 pandemic and its connections with weather, air quality and climate. From this it became quite clear how important Meteorology is as a science field, as well as its vital role in many applications that benefit society.

The mission of EMS is to facilitate, stimulate and outreach Meteorology as much as possible within Europe. This role becomes even more crucial in the near-future in a warmer climate with severe weather. To further highlight the role of Meteorology for Society, the upcoming virtual 2021 EMS Annual Meeting will therefore focus on the role the meteorological and climatological community can play in promoting the achievement of the United Nations Sustainable Development Goals.

Over the last 21 years the EMS has become firmly established as a key part of the European meteorological community, and has benefited from the engagement of its Member Societies and Associate Members. The EMS has developed in such a way that it:

- Has successful Annual Meetings that bring together the public, private and academic sectors.
- Recognises achievement in meteorology, technology, journalism, outreach and communication.
- Supports the development of early career scientists.
- Facilitates the exchange of experience and expertise between meteorologists working in the media.
- Enhances communication between EMS members and the sharing of experiences.

In this Annual Report you will find information about these activities.

The success of the EMS depends upon the activities of its various teams, committees and its Council. The EMS is also very fortunate in having a highly-effective Secretariat. I thank all involved persons for all they have done to ensure that EMS is successful. As the new President, I like to particularly acknowledge the activities and contributions by the former President Bob Riddaway (RMetS, UK), and former Vice-President Jean-Pierre Chalon (Météo et Climat, France).

Bert Holtslag
EMS President



Bert Holtslag, EMS President 2020 – 2023

02 Membership

By the end of 2020 the EMS had 38 Member Societies. In addition, there are 31 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 have permanent observer status at the Council.

New Members in 2020



In 2020 two new organisations joined the EMS as Associate Members.

The *meteoblue AG* is a Swiss specialist company producing, managing and supplying high precision weather and environmental data for the entire world, using observation data, high-resolution Numerical Weather Predictions (NWP) and specialised data output methods adapted to the needs of different user groups. With a track record of innovation in the weather service business (where2go?!, 30-years hourly history, multi-model, MLM), meteoblue has grown from a small University spin-off into a global service provider with customers in more than 50 countries and several technology partners in various industries.

Established as spin-off from the University of Basel in 2006, it now has over 20 members of staff, and continues to grow. The CEO, Dr. Karl G. Gutbrod, is also a member of the PRIMET board.

EUMETNET is the collaborative framework for National Met/Hydromet Services in Europe with 31 members and 6 cooperating members. It is set up as a large networking organisation to share expertise and best practices are shared. EUMETNET has 17 collaborative programmes on observations, forecasting, Climate, Aviation and other areas. EUMETNET is also working with the European Environment Agency (EEA) for Copernicus in-situ coordination. It also participates in bid submissions to EU-funded projects of behalf of its Members.

Members who left the EMS

One Associate Member left the organisation: Azeraeronavigatsiya(AZANS), an air navigation service company in Azerbaijan, cancelled its EMS membership.

Membership 2020 in numbers *Member Societies:*

38 (*unchanged*)

Number of states: 31

Number of individuals represented: 9,975 (2019:
9,733; 2018: 10,301)

Associate Members: 30

National Meteorological and Hydrological
Services: 18

Private Service Providers: 3

Manufacturers: 6

Education and Research Institutions: 1

International Organisations: 2

Member Societies 2020

Andorra

Asociació de Meteorologia i Ciències de l'Atmosfera d'Andorra

Austria

Österreichische Gesellschaft für Meteorologie

Belgium

Société Royale Belge d'Astronomie, de Météorologie et de Physique du Globe

Bosnia and Herzegovina

Udruženje meteorologa u Bosni i Hercegovini

Bulgaria

Aviometeorological Club of Bulgaria
Bulgarian Meteorological Society

Croatia

Hrvatsko Meteorološko Društvo

Cyprus

Cyprus Meteorological Association

Czech Republic

Česká Meteorologická Společnost

Denmark

Dansk Meteorologisk Selskab

Estonia

Estonian Meteorological Society

Finland

Geofysikkojen Liitto
Geofysiikan Seura

France

Météo et Climat - Société Météorologique de France

Germany

Deutsche Meteorologische Gesellschaft

Greece

Elliniki Meteorologiki Etaireia

Hungary

Magyar Meteorológiai Társaság

Iceland

Veðurfraeðifélagið

Israel

Israel Meteorological Society

Ireland

Irish Meteorological Society

Italy

Società Meteorologica Italiana
Associazione Italiana di Agrometeorologia
Associazione Italiana di Scienze dell'Atmosfera e Meteorologica
Unione Meteorologica del Friuli Venezia Giulia

The Netherlands

Nederlandse Vereniging ter Bevordering van de Meteorologie

North Macedonia

Združenje na Vozduhoplovni Meteorolozi – Meteo

Norway

Forskerforbundets Meteorologforening

Poland

Polskie Towarzystwo Geofizyczne – Meteorological Section

Portugal

Associação Portuguesa de Meteorologia e Geofísica

Romania

Societatea Meteorologică Română
Asociația Română de Meteorologie Aplicată și Educație de la

Serbia

Meteorološko Društvo Srbije

Slovakia

Slovenská Meteorologická Spoločnosť

Slovenia

Slovensko Meteorološko Društvo

Spain

Asociación Meteorológica Española
Associació Catalana de Meteorologia

Sweden

Svenska Meteorologiska Sällskapet

Switzerland

Schweizerische Gesellschaft für Meteorologie

United Kingdom

Royal Meteorological Society

03 Council & General Assembly 2020

The Sessions of the EMS Council and the General Assembly all took place virtually using video conference software. The Council met in March – the physical meeting cancelled at short notice – for its 42nd; an extra-ordinary Session was scheduled for early March to make a final decision on holding the EMS Annual Meeting 2020. The 44th Session was then held on 3 September, and the 20th General Assembly convened on 9 September 2020.

Council

The Council consists of representatives of the Member Societies from France, Germany and the UK along with six representatives from Member Societies who are elected by the General Assembly for a term of three years. The responsibilities of Council are to plan, direct, monitor and manage the affairs of the Society. This includes monitoring income and expenditure, the activities of the committees and the implementation of the strategic plan. The following are some of the key decisions taken at the two Council meetings held in 2020.

EMS President and EMS Vice President: Council elected Bert Holtslag, The Netherlands, as EMS President 2020 – 2023, and Dominique Marbouty, France, as EMS Vice-President from March 2020.

- *Silver Medal:* Council selected Jean Jouzel to receive the EMS Silver Medal 2020.
- *EMS2020:* Council decided to not hold an Annual Meeting; instead a one-day online event on topics of interest to the meteorological community were planned, later combined with PRIMET to become a two-day event.
- *Media and Communications Committee:* The Council approved that the former Media and Communications Team as an EMS Committee.
- *New Members of Committees:* Council approved the selection committees for three Media Awards announced for 2020, and three new members of the Committee on Meetings:
- Carola Detring (DMG; DWD), Peter Kalverla (NVBM; Netherlands eScienceCenter) and Victoria Sinclair (RMetS; University of Helsinki). Council also approved the membership of
- the Programme and Science Committee for the EMS Annual Meeting 2021.
- *Budget 2021:* Council approved the 2021 EMS Budget.
- Minutes of the Council Sessions are available at <https://www.emetsoc.org/about-ems/council/council-meetings/>

General Assembly

The General Assembly is composed of representatives of the Member Societies. It convenes at least once a year; apart from formal decisions such as the approval of Bureau and financial reports, the election of representative Members on the EMS Council, and dealing with constitutional matters, the meeting provides an opportunity to exchange experience and highlight successful activities of Members.

The following are some of the key decisions taken at the General Assembly.

- *Membership:* The General Assembly welcomed the *meteoblue AG* and *EUMETNET* as new EMS Associate Members.
- *Council Elections:* The General Assembly elected the following Societies as Representative Members on the EMS Council for the term until 2021: Gert-Jan Steeneveld will represent the Nederlandse Vereniging ter Bevordering van de Meteorologie (NVBM) on the EMS Council for the term autumn 2020–autumn 2023; Sorin Cheval of the Asociația Română de Meteorologie Aplicată și Educație (ARMAE) will represent the meteorological societies in Romania on the EMS Council from autumn 2020 – spring 2022, and Andrei Meda Daniela (Georgescu) from the Societatea Meteorologică Românăto (SMR) from autumn 2021 –autumn 2022.
- *Auditors:* The General Assembly appointed Sozietät Dr. Broll Schmitt Kaufmann & Partner, Berlin/ Dipl.-Finw. Matthias Keil, Germany, as the auditor for the accounts of the year 2020.
- *Education:* The General Assembly formed a working group to explore the options for new activities in this area. A report of the group was provided to the EMS Council in spring 2021.

The minutes of the General Assembly are accessible at

<https://www.emetsoc.org/about-ems/general-assembly/>

Gert-Jan Steeneveld, representing NVBM, The Netherlands // Sorin Cheval (ARMAE), representing the meteorological societies of Romania



Strategic Plan

In 2019 the EMS Council started to discuss the further development of the EMS, with a view to conclude the process with the adoption of a new Strategic Plan by the end of 2020. In the process achievements during the first 20 years of the EMS existence, strength and weakness as well as opportunities and threats have been analysed and discussed. This resulted in a revision of the formulation of the mission in the constitution, and the definition of the four major objectives for the coming years:

- Strengthening, developing and promoting the discipline and its community.
- Providing added-value to and with the EMS membership.
- Optimising the use of meteorological intelligence in society.
- Being an effective, influential and well-run organisation.

For each of the objectives a working group formulated the context, the role of the EMS, current activities and proposals for development activities related to the specific objective: all Council Members and Chairs of committees were involved in this process. Due to the pandemic situation the progress was slower than expected; it is envisaged that by summer 2021 the new strategic plan has been adopted, and an implementation plan presented that will allow the wider membership of EMS to contribute to the goals and development.



04 EMS DigitalMETDialogue 2020

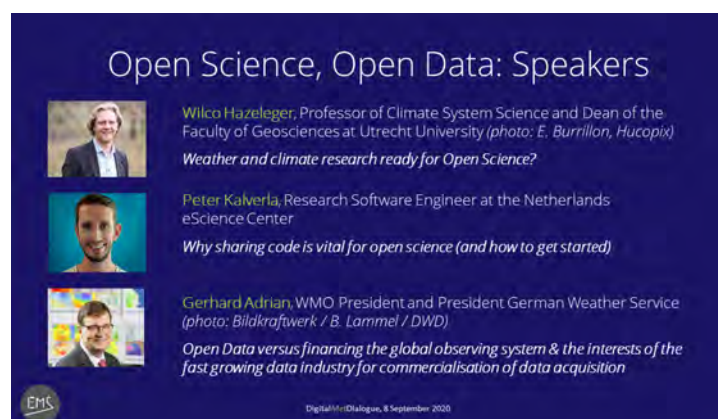
In view of all uncertainties concerning the spread of COVID-19, travelling limitations, social distancing, etc., the EMS Council took the decision in early May to cancel the EMS Annual Meeting due to convene in September 2020 in Bratislava. The conference was not moved online, but instead, the EMS did plan for an online dialogue on current topics. Also publication of papers that could have been presented at EMS2020 in an issue of the Open Access Journal ASR (Contributions in Applied Meteorology and Climatology) was enabled as in previous years.

The first EMS online event was organised in collaboration with PRIMET and ECOMET as three webinars on highly relevant topics of the meteorological and climate community:

- Open Science, Open Data, with 165 attendees,
- COVID-19 and Meteorology, with 135 attendees,
- Enabling the Weather Enterprise in Europe for the 21st century, with 120 attendees.

Open Science, Open Data

The concept of Open Science is at the heart of scientific activity aimed at having a more transparent, reproducible, accessible, communicated and collaborative framework. Progress is being made but there are still barriers and issues to be addressed and solved.



- **Wilco Hazeleger**, Professor of Climate System Science and Dean of the Faculty of Geosciences at Utrecht University Weather and climate research ready for Open Science?
- **Peter Kalverla**, Research Engineer at the Netherlands eScience Center: Why sharing code is vital for open science (and how to get started).
- **Gerhard Adrian** elected WMO President in 2019 and Director of the German Weather Service spoke on Open Data versus financing the global observing system and on the interests of the fast-growing data industry for commercialisation of data acquisition

The session and discussion was moderated by Carlo Buontempo, Director of the Copernicus Climate Change Services at ECMWF and member of the EMS Committee on Meetings.

COVID-19 and Meteorology

At the outbreak of the COVID-19 pandemic, questions were raised concerning the connections with weather (temperature and humidity) and climatic (seasonality) conditions as well as with air pollutants as carriers of the virus. The strong decline in air traffic also had an impact on the amount of data available for data assimilation in numerical weather predictions and forecasting skills.



- [Jan C. Semenza](#), Head of the Health Determinants Programme at the European Centre for Disease Prevention and Control (ECDC): Cascading risks of infectious diseases from climate change in Europe
- [Federico Fierli](#), Officer User Support and Climate Service Division at EUMETSAT
The effect of the COVID-19 lockdown in early 2020 on pollution.
- [Thomas Haiden](#), Head of Verification and Observation Monitoring at ECMWF:
The impact of COVID-19 on the weather forecast

Enabling the Weather Enterprise in Europe for the 21st century

Since the previous EMS Conference, the dialogue aimed at creating a more enterprising and global approach to delivering weather services to the world community has progressed further through various forums and events. The aim of this session was to examine the value chain from a European perspective, describe examples of value creation and underlying factors, highlighting the progress towards more efficient solutions, and to focus on the most important challenges that lie ahead.

- [Alan Thorpe](#), Global Facility for Disaster Reduction and Recovery *Evolution of the Global Weather Enterprise*
- [Mary Glackin](#), American Meteorological Society: *Conflict or Cooperation?*
- [Karl Gutbrod](#), Meteoblue: *Evolution of private weather services in different countries*

For all three events the feedback was quite positive. In particular, the three topics chosen were appreciated and regarded as being highly relevant by those who participated. The downside of the events was that we were unable to arrange for a more diverse group of speakers despite our efforts. More information about the events is available at <https://www.emetsoc.org/events/ems-digitalmetdialogue/>.

Future Meetings:

After the recognition that the COVID-19 pandemic would not be a short-lived disruption, EMS bodies, especially its Committee on Meetings (CoM) supported by the Programme and Science Committee (PSC) started to plan what future meetings could be, combining physical presence and remote attendance, but still ensuring for all ample possibilities for networking and discussions. Arranging the DigitalMETDialogue event provided therefore an interesting experience, on which we will be able to build other EMS events for the future.

In view of the deteriorating health situation in Europe, it appeared already in late 2020 that the next EMS Annual meeting in September 2021 will have to be held remotely. Since both the Slovakian and Catalan hosts had already invested a lot of energy for preparing EMS 2020 and EMS 2021, it was decided that they would host the Annual Meeting again in 2023 and 2024, respectively.

EMS Annual Meetings have been arranged for the next four years.

- The EMS Annual Meeting 3–10 September 2021, will be held as an online conference.
- EMS Annual Meeting 2022: 5–9 September 2022, University of Bonn, Germany.
- EMS Annual Meeting 2023: University of Economics in Bratislava, Slovakia and EMS Annual Meeting 2024: Historical University of Barcelona, Spain. The exact dates of these later two conferences still need to be determined.

For 2025 a proposal is under consideration



Rainbow Autumn
by Tatiana Afinogenova // Europhotometeo 2020

05 Communication, sharing of information, publications

The main objective of communication and publication activities is to share information about the endeavours of EMS members, provide examples of good practice, and facilitate the sharing of experience and fostering of collaboration between the Members and Associate Members. The channels of communication include the website, the electronic newsletter called the “ems-message” and social media channels. In addition, short conference papers based on contributions to the EMS Annual Meetings are published in *Advances in Science and Research – Contributions to Applied Meteorology and Climatology*. Discussions at the General Assembly also play an important role in the exchange of information. For more information go to <https://www.emetsoc.org/publications>.

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

- Information on each Member and Associate Member including links to reports about their most recent initiatives and activities.
- News section dedicated to recent developments involving EMS members and the wider meteorological community.
- Interviews with members of Member Societies and representative of Associate Members.
- Many resources and links, plus announcements of awards and job opportunities.

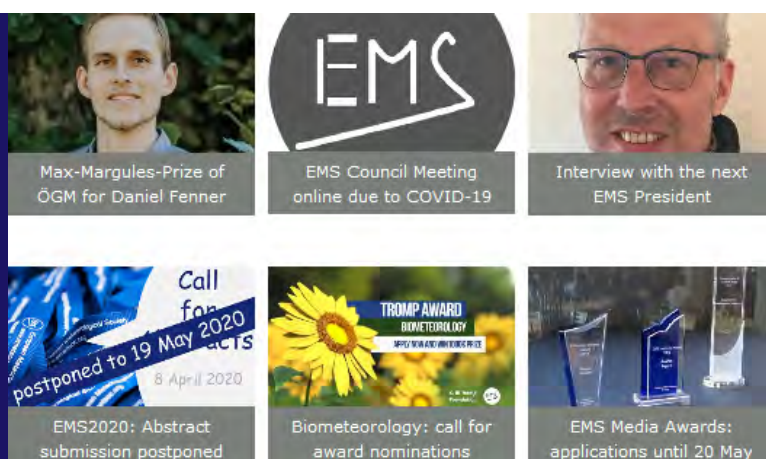
The EMS also posts information on current activities on:

- Twitter: <https://twitter.com/EuropeanMetSoc>
- LinkedIn: <https://www.linkedin.com/company/european-meteorological-society>
- Facebook: <https://www.facebook.com/EuropeanMetSociety>

Recordings of the sessions on the EMS DigitalMETDialogue, interviews and highlights of the EMS2019 are also available on > YouTube (<https://www.youtube.com/channel/UC5Ecbudpe7G8O-jpBcKe9fA/videos>).

ems-message: The ems-message is an e-mail-based newsletter highlighting the latest news items published on www.emetsoc.org:

- Six issues of the ems-message were published in 2020, with 6 to 12 articles in each edition.
- The majority of articles contain information about activities, events and new initiatives by EMS Members; but information on European organisations such as EUMETNET and scientific articles have also been included.
- Additional topical information about the activities of EMS, job announcements, upcoming conferences, and announcements and closing dates related to EMS awards are provided.



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*. The subtitle has been revised to better reflect the content and topics covered:

<https://www.advances-in-science-and-research.net/>.

Advances in Science and Research (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 is an open-access journal for contributions presented at the Annual Meetings of the EMS and other related events. Submissions to ASR undergo a peer-review and convenors of sessions at the EMS Annual Meetings volunteered to be guest editors for their specific topics. Articles published in ASR are included in major data bases, including the Conference Proceeding Citation Index (CPCI) which is part of the Web of Science™ Core Collection, and SCOPUS. Despite the cancellation of the EMS2020 publication of papers that could have been presented at EMS2020 in an issue ASR was enabled as in previous years.

06 International Collaboration

The EMS as an international organisation strives to maximise the effectiveness and efficiency of its activities by engaging and collaborating with other organisations in the meteorological, climatological and related areas.

Tromp Foundation: The EMS Tromp Award for an outstanding achievement in biometeorology 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.

For the EMS Tromp Award 2020 Prof David M Schultz was selected. David M Schultz works at the Centre for Crisis Studies and Mitigation, and Centre for Atmospheric Science in the Department of Earth and Environmental Sciences at the University of Manchester. He is awarded for the publication: “Weather Patterns Associated With Pain In Chronic-Pain Sufferers”, published by the American Meteorological Society in BAMS in 2020.

The belief that weather influences people's health has been prevalent for millennia. Recent studies on the relationship between weather and pain for those who suffer from chronic pain remain indeterminate, with some studies finding strong effects and others finding no effects; most studies face limitations to their study design or dataset size. To address these limitations, a U.K.-wide smartphone study Cloudy with a Chance of Pain was conducted over 15 months with 10,584 citizen scientists who suffer from chronic pain, producing the largest dataset both in duration and number of participants. Analysis of the dataset using synoptic climatology and compositing revealed the daily weather associated with a prevalence of high pain and low pain across the population. These synoptic weather patterns support the beliefs of many participants who said that low pressure—and its accompanying weather—was associated with a pain event.

The Tromp Foundation also provides funding for young scientists to attend the EMS Annual Meetings and give presentations about some aspects of biometeorology. The awards could not be given in 2020.



David M Schultz, Recipient EMS Tromp Award 2020// graphic EMS Tromp Award

Harry Otten Foundation and the EMS sign MoU: Since 2011 the EMS and the Harry Otten Foundation (HOF) have been collaborating to promote the Harry Otten Prize, an award endowed with 25 000€ for innovative ideas in meteorology that help improve the lives of citizens in Europe and worldwide. With a biennial cycle, finalists for the Harry Otten Prize present their ideas at a special session of the EMS Annual Meetings, and the winner is revealed during the Awards Session of the conference.

The HOF and EMS have now formalised their fruitful collaboration in a Memorandum of Understanding (MoU) that was signed in June 2020 by the Chair of the HOF, Leo Kroon, and President of the EMS, Bob Riddaway. The MoU includes the specification of the responsibilities of the HOF and EMS, and the financial and legal arrangements. A signing ceremony had been planned to take place during the EMS Annual Meeting in Bratislava, but because of the cancellation of the conference, letters have been exchanged to complete the process. Despite the online format, the Harry Otten Prize winner will be selected and revealed during the 2021 EMS Annual Meeting.

Global Weather Enterprise (GWE): The GWE consists of activities by individuals and organisations to enable weather information to be created and provided to society. The aim is to take action to provide up-to-date systems that protect life, property, and wellbeing. PRIMET and ECOMET, along with the World Meteorological Organization and the World Bank, are key actors in this effort. At a session at EMS DigitalMETDialogue, organised by PRIMET and ECOMET, the value chain was examined from a European perspective, examples of value creation and underlying factors given, and the progress towards more efficient solutions highlighted. An eNewsletter produced by the GWE Forum can be accessed by going to <https://www.gweforum.org/>.

International Forum of Meteorological Societies (IFMS): The International Forum of Meteorological Societies (IFMS) does this by facilitating exchange of knowledge, ideas and resources between the meteorological societies of the world. The IFMS has around 40 members, including the EMS and some other national meteorological societies in Europe. In January 2020, the 6th Meeting of the IFMS was held alongside the 100th AMS Annual Meeting in Boston. The EMS President Bob Riddaway participated as representative of the EMS at this event. Liz Bentley, Chief Executive of the Royal Meteorological Society, has been re-elected as IFMS Council Member for Europe (Region VI) in autumn 2020 for three more years.

Meteorological societies in Europe can join the IFMS, for which there are no fees, by going to <https://ifms.org/index.cfm/ifms/members/>.

Participants of IFMS 6th Global Meeting, Boston, USA



07 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 and climatologists working in the media in different countries, and cooperates with weather presenters that are members of the AMS, International Association of Broadcast Meteorologists (IABM) and other organisations.

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. To highlight outstanding examples and achievements in this area, the EMS Media Awards have been established.

- **EMS Outreach & Communication Award 20120** This award was presented to the project “RESCCCUE” – REminding Slovenian authorities Climate Change Crisis requires Urgent Effort”. Its main objective is to alert the Slovenian government to the urgency of tackling the climate change crisis. The RESCCUE project is devoted to raising awareness of the effects and impacts of climate change, translating science to a broad public and alerting the government and society as a whole that action is urgent. With the large range of methods and channels the project reaches a very wide audience across society, using various communication strategies and settings to reach different target groups, and thus supports the increase of awareness and understanding. First steps to the ultimate goal of enhancing political actions to combat climate change have already been achieved. The initiative, led by four young Slovenian scientists, has brought together over 100 leading scientists in Slovenia and others, including politicians, decision makers, media and general public. The project achieved impressive attention of the media and the public by utilising a diversity of outreach and communication strategies (e.g. television, radio stations, podcasts, newspapers, journals, seminars, talks, panel discussions, social platforms) to raise awareness about climate change.
- **EMS Broadcast Meteorologist Award 2020:** This biennial award was presented to Zoran Vakula, Croatia. He is a meteorologist and editor of weather programme on Hrvatska Radiotelevizija (HRT), the Croatian national public service broadcast station. Zoran Vakula’s strong professional and scientific background is combined with excellence in presentation with a high level of skill and an easy communication manner evident in his broadcasts. He initiated numerous outreach initiatives; in particular, his work on developing a competition and subsequent exhibition of cartoons with a weather theme stands out.

This initiative brought meteorology to a wide audience in a novel and entertaining fashion without trivialising the underlying science. Noting the successful engagement of Zoran Vakula with the “Dancing with the Stars” TV programme and other media contexts where meteorologists are not typically seen, it is recognised that he had become a popular “household name” in Croatia. This stature enabled him to be all the more effective in his weather broadcasting and communication.

- **EMS Media Weather Forecast Award 2020:** For this award Zoltán Üveges, OMSZ Hungary, has been selected. His forecast for 18 May 2020, broadcast via YouTube, was selected for his instructing demonstration how probability forecasts can be communicated, comprehensive explanations of the weather at a larger European scale that would affect his country, and the discussion of an exceptional episode of desert sand, including a dust /aerosol forecast. Consequently, he provided his viewers with great understanding not only of what the forecast was, but also why the weather was happening. In addition, he discussed an exceptional episode of desert sand, including a dust /aerosol forecast. Zoltán Üveges is calm and in control. All of his graphics were labelled well and he addressed each element comprehensively, with nice transitions between different visuals. This is a good example of a Best Practice. The terms of this Award, formerly named the TV Weather Forecast Award, had been extended to include presentation of Forecasts across different media.

Due to the cancellation of the EMS Annual Meeting 2020 the awards ceremony for these awards will be held online in 2021.



Recipients of the EMS Media Awards



08 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.

Young Scientist Travel Awards: Most awards are given as travel support for young scientists in the early stage of their careers. As a result of the pandemic situation in 2020 none of the awards could be granted to participate in conferences; those grants already assigned are transferred to 2021 editions of the respective events, where applicable.

EMS Silver Medal: In 2020 Jean Jouzel, France, was selected to receive the EMS Silver Medal in recognition of his fundamental and pioneering scientific contributions to the understanding of paleo, present and future climate processes, as well as his outstanding contribution to increase public knowledge and awareness of climate change.

Jean Jouzel, climatologist, Emeritus Research Director at the Commissariat à l'énergie atomique et aux énergies alternatives (CEA), is a specialist in paleoclimatology and past Director of the Institut Pierre Simon Laplace. His fundamental and pioneering work in the study of polar ice cores has revolutionized the understanding of the role of high latitudes in the Earth's climate system. The Silver Medal ceremony, which includes a Silver Medal Lecture by the Laureate, is expected either to take place in September 2021 at the EMS Annual Meeting or as a virtual ceremony online in 2021. The title of the Silver Medal Lecture will be "Our climate: from past to future".



Velle Toll, Estonia, Young Scientist Awardee 2020 // Jean Jouzel, France, Silver Medallist 2020 (photo credit: Alexandra Khlopotova)

09 Our Resources: Financial Accounts 2020

The balance as at 31 December 2020 has decreased by 73 192.76€ as compared to 31 December 2019.

Summary Statement of Financial Activities for the Year 2020

All financial figures are given in Euro.

INCOME	2020	2019
Income Societies Membership Fees	19 748.88	20 023.07
Income Associate Membership Fees	32 600.00	34 990.00
Annual Meeting license fee		114 734.64
Other		8 031.42
Interest	9.92	43.03
TOTAL INCOME	52 358.80	177 822.16
EXPENDITURES		
Salaries (incl. expenses for employer)	88 540.94	84 903.86
Committees and Project Teams	0.00	0.00
Awards, Europhotometeo	3 000.00	7 852.80
Workshops	0.00	0.00
Publications	760.30	591.62
Honoraries, Fees, Insurances	5 067.15	4 699.16
Travelling	5 194.68	10 278.75
Banking charges	291.21	141.78
Office costs	1 146.94	614.94
Other costs	59.64	0.00
Annual Meeting expenditures, incl. VAT	13 399.33	0.00
VAT Other	8 031.38	5 984.09
Support Members and topical meetings	0.00	0.00
TOTAL EXPENDITURE	125 491.57	115 067.00
Income – Expenditure	-73 132.77	62 755.16
Payments on fixed and intangible assets	-59.99	-9 905.01
Account Balance 1 January	257 732.03	204 881.88
ACCOUNT BALANCE 31 DECEMBER	184 539.27	257 732.03

Audit

The financial accounts have been audited on 23 July 2021 by the auditor appointed by the EMS General Assembly 2020. The auditor's report is submitted to the EMS General Assembly 2021.

Auditors:

Dipl.-Finanzwirt
Matthias Keil
Wirtschaftsprüfer
Steuerberater
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