

CEAS annual report 2016

Anniversary of CEAS Member Societies

The year 2016 was a special year for 3 of our Member Societies:

- The Royal Aeronautical Society (RAeS) celebrated its 150th anniversary.
- The Netherlands Association of Aeronautical Engineers (NVvL) celebrated its 75th anniversary.
- The Aeronautics and Astronautics Association of Romania (AAAR) celebrated its 10th anniversary.

CEAS congratulates its Member Societies with these events.

CEAS activities in 2016

In 2016 CEAS has worked on the following main subjects:

- Implementation of the CEAS Strategy 2015-2020
- Membership and European Strategy
- European Collaborative Dissemination of Aeronautical Research and Applications ECAero-2
- Knowledge dissemination
- CEAS Journals and Bulletin
- Education and students/young professionals
- CEAS Awards
- Election of new President and Officers.

CEAS strategy implementation

The important points in the CEAS Strategy are:

- to increase the number of CEAS Members, Corporate Members and strengthen the links with for CEAS important European organisations through MoUs.
- to strengthen the relation with the European organisations, as JU Clean Sky, JU SESAR, EREA, EDA, EASA, etc.
- to strengthen the links with the European aerospace universities and student/young professionals.
- to promote the CEAS Journals as an important vehicle for the peer-reviewed publication of European aerospace articles.

Membership and European Strategy

In March a Memorandum of Understanding between the European Aeronautical Science Network Association (EASN) and CEAS was signed by EASN Vice President Zdobyslaw Goraj and me. The EASN-CEAS MoU strongly strengthens the link with the European Universities and opens the way to further joint organization of conferences and workshops.

This event increases the number of CEAS MoUs to 7 (ICAS, AIAA, AAE, CSA, KSAS, EREA and EASN).

In September Eurocontrol became a CEAS Corporate Member. This increased the number of Corporate Members to 6 (ESA, EASA, Eurocontrol, Euroavia, Laeta and VKI).

In 2016 the links with the MoU partners were strengthened by active contacts. Dedicated meetings took place to inform the MoU partners about the CEAS activities and to investigate the possibilities for increased cooperation in the organization of conferences and the use of the CEAS Journals for knowledge dissemination with the Aerospace Academy, ICAS, AIAA, KSAS, EASN and EREA. At the ICAS Conference in Daejeon also contacts were made with the Chinese Society of Aeronautics and Astronautics and with the Associacao Brasileira de Engenharia (Brasil).

European Collaborative Dissemination of Aeronautical Research and Applications E-CAero 2

CEAS, together with the E-CAero 2 partners EUCASS, CIMNE, ERCOFTAC, EUROMECH and EUROTURBO have worked on the EU Project European Collaborative Dissemination of Aeronautical Research and Applications (E-CAero2).

The E-CAero2 project (2014-2017) funded within H2020 is the natural follow-up of the E-CAero project (2009-2013) developed within FP7: it involves the same partners (ECCOMAS, ERCOFTAC, CEAS, EUCASS, EUROMECH and EUROTURBO) and its main objectives can be summarized as:

- improved communication between associations,
- implementation of a common logistic platform that should provide a more visible European label,
- common policy regarding aeronautical events and publications,
- better synchronized conference events,
- scientific expertise better aggregated to conferences,
- events organized in cooperation between associations and
- vision for common journal and publishing policy.

Many of the objectives of E-CAero2 have been realized.

In order to define a name, image and structure for the newly to be created Europe- wide coordination mechanism for the dissemination of knowledge in aerospace through conferences, events and publications, CEAS has defined its mission. Based on the outcome of an assessment of the major activities of the involved societies, CEAS drafted a proposal for the brand name, image and structure of the new community, that has been approved by all project partners and is called 'Aerospace Europe'. In parallel CEAS has actively supported ECAero2 partners in making available numerous papers, presented at our conferences for open access publication on the Aerospace Europe platform (<http://aerospace-europe.eu/>).

CEAS had intensive discussions with EUCASS about the possibility of the E-CAero 2 intended joint Aerospace Europe conference in 2017. But in spring 2016 Eucass decided to hold its Eucass Conference in July 2017 in Milano. Since January 2016 the CEAS Member Society AAAR is preparing for the Aerospace Europe/CEAS 2017 conference to be held in October 2017 in Bucharest, Romania.

On December 1 and 2 an ECAero2 meeting was held in Amsterdam. To this meeting also EASN was invited to see if and how EASN could contribute to the ECAero2 objectives. EASN had announced that it

would organize an aeronautical congress in September 2017, increasing the number of European Aerospace Congresses to 3. After the E-CAero 2 meeting it was decided that CEAS would organize a meeting with its MoU partner EASN as well as a meeting with its Member Society AAAR to see how to improve the situation for 2017 and the years after.

On December 19, 2016 CEAS and EASN held a strategic meeting in Munich. The result was that EASN and CEAS decided to upgrade their existing CEAS-EASN MoU into a CEAS-EASN Cooperation Agreement towards the joint organization of Aerospace Europe Congresses as well as specialist Congresses and to form a joint CEAS-EASN Scientific/Technical Committee for these congresses, starting in 2018.

With respect to the coordination of the EASN and CEAS congresses in 2017 the discussion is still ongoing.

Knowledge dissemination

CEAS actively participated in the following general international and European Aeronautical Conferences:

- 2nd Polish Brazilian Conference in Warsaw on September 7. CEAS delivered a keynote lecture and a lecture on wind tunnel testing.
- 30th Congress of the International Council of the Aeronautical Science ICAS in Daejeon Korea, from 25-30 September. Over 40% of the overall 500 presented papers were submitted by the CEAS Member Societies. CEAS participated actively in the ICAS Programme Committee.
- 2nd Greener Aviation Conference in Brussels from 11-13 October. CEAS delivered a keynote lecture. CEAS participated actively in the Greener Aviation Programme Committee.

CEAS Specialist Conferences on Aeronautical subjects were:

- The AIAA-CEAS-3AF Aeroacoustics Conference in Lyon from 30 May till 1 June.
- 42th European Rotorcraft Forum ERF 2016 in Lille from 05-08 September.

CEAS Specialist Conferences on Space subjects were:

- European Space Components Conference ESCCON in Noordwijk from 1-3 March.
- 6th International Conference on Astrodynamic Tools and Techniques ICATT in Darmstadt from 14-17 March.

CEAS Journals and Bulletin

The CEAS Aeronautical and Space Journals play an important role in allowing authors in the nations of the CEAS Member Societies to publish their papers in a peer-reviewed journal. In 2016 the CEAS Aeronautical Journal published 4 issues with 45 peer-reviewed papers and the CEAS Space Journal 4 issues with in total peer-reviewed 27 papers. This was made possible by the great support and leadership of Christophe Hermans (CEAS Branch Chief Aeronautics) and Constantinos Stavriniades (CEAS Branch Chief Space) and their Technical Committee chairs and supporting staff of DLR (amongst others

Cornelia Hillenherms) and ESA (Willi Kordula). The CEAS Journals have now applied for indexing in SCOPUS (Elsevier) which has the largest database of peer-reviewed literature.

In the EREA Board meeting in December 2016 CEAS gave a presentation of all the activities in the context of the CEAS-EREA MoU. CEAS and the Association of European Research Establishments in Aeronautical EREA discussed how the CEAS Journals should be used to publish the peer-reviewed papers of the 14 EREA Research Establishments.

In a special meeting with EASN in December the possibilities of using the CEAS Journals as a means of publishing their peer-reviewed papers of the many workshops and conferences was also discussed.

4 quarterly Issues of the CEAS Bulletin were published. Jean-Pierre Sanfourche (Editor of the CEAS Bulletin) plays an essential role in the realization of this important “Face of CEAS”. The CEAS Bulletin amongst others contains interesting articles on actual aerospace subjects and a listing of all important upcoming aerospace events and conferences. The CEAS Bulletins and Aeronautical and Space Journals are excellent ways to increase the visibility of CEAS.

Education and students/young professionals

One of the strategic objectives of CEAS is the involvement of students and young professionals. Since a long time Euroavia is one of the CEAS Corporate Members. CEAS was also involved in links with the Universities through EASN and the PERSEUS project. Through its conferences and international network and its CEAS Journals, CEAS provides students and young professionals the possibility to present on conferences, to publish in peer-reviewed journals and to meet European and international colleagues and experts. The EASN-CEAS Cooperation Agreement will further strengthen the link with CEAS and the academic world, including the students and young professionals.

CEAS Awards

- On November 28 in London, during the Royal Aeronautical Society Awards Ceremony, CEAS presented the CEAS Gold Award 2016 to Dr Gordon McConnell.
- The CEAS Technical Award 2016 was presented to the BlueCopter team.
- The CEAS Distinguished Service Award was presented to Dr Constantinos Stavriniadis for his great support to CEAS, his contributions to the CEAS Biennial conferences and his chairmanship of the CEAS Space Branch and chief editorship of the CEAS Space Journal.
- Under the leadership of Kaj Lundahl, CEAS Vice President Awards and Membership, the selection of the recipient of the CEAS Gold Medal 2017 was prepared and executed. It will be presented in 2017 to Eric Dautriat, former Executive Director of the Clean Sky Joint Undertaking.

General Assembly and Board of Trustees Meetings

In 2016 one General Assembly meeting (London Nov 28) and four Board of Trustees (BoT) meetings (Barcelona, March 14-15, St Petersburg, June 9 - Feb. 28, Warsaw, September 6 and London, Nov 28) were held.

During the General Assembly meeting unanimously Christophe Hermans was elected as the CEAS President for 2017. Ad interim he will also hold the post of CEAS Aeronautical Branch Chairman.

As new CEAS Space Branch, Mr. Torben K. Henriksen was elected. Mr. Henriksen is Head of Mechanical Department of the Directorate of Technology, Engineering and Quality of ESA.

Mr. Henriksen succeeds Dr. Constantinos Stavriniadis. Dr. Stavriniadis has very actively contributed to CEAS and the CEAS Board of Trustees for 15 years. Since 2011 he was also the Chief Editor of the CEAS Space Journal. The function of Chief Editor of the CEAS Space Journal will be taken over by Prof. Hansjörg Dittus (DLR Executive Board Member for Space Research and Technology).

Book on 25 years of CEAS

In 1992 the Confederation of European Aerospace Societies (CEAS) was constituted. At that time CEAS consisted of the Member Societies of the UK, France, Germany, Italy, Spain, The Netherlands, Sweden and Switzerland. In 2006 it was decided to transform CEAS from a Confederation into a Council of European Aerospace Societies. To celebrate 25 years of CEAS in 2017, it was decided to ask Prof. Keith Hayward from the Royal Aeronautical Society to write a book on 25 years of CEAS. At the BoT meeting in London on November 28, Prof. Hayward gave a short presentation on the progress of his activities with respect to the writing of the book.

A word of thanks

I want to sincerely thank all the CEAS Trustees for their great support in 2016 (and the years before). It was an honour and a pleasure to work in the CEAS Board of Trustees for 7 years, of which the last 3 years as CEAS President. We have made quite some progress in the last three years. MoUs were made with EREA and EASN, new Corporate Members were welcomed (EASA and Eurocontrol) and contacts with the MoU partners were strengthened. Through the E-CAero2 project the links with the EU were strengthened. CEAS provided keynote presentations at the EU Aerodays, the Greener Aviation Conferences in Brussels and at a large number of other conferences. In 2015 we held the successful 5th CEAS Aerospace Conference in Delft. The CEAS journals are increasing in content and impact. This work was only possible because of the great support of the CEAS Officers, the Director and all the other Board Members. A special thanks goes to Mercedes Oliver-Herrero (and her employer Airbus) for her outstanding work as CEAS General Director and for her great support given to me.

It was great to be CEAS President and to work in the CEAS BoTs but it is good that a younger person now takes over the function of CEAS President.

I know Christophe Hermans, the elected CEAS President, for over 30 years. He has been active in the CEAS Board of Trustees for 10 years, and is CEAS Branch Chief Aeronautics since 2010. He has great experience in the leading of Programme Committees and organizing conferences. He has a broad aerospace knowledge and an extensive network. I am sure that with the help of the officers, director and board members he is the right person to lead CEAS in 2017.

I wish the new CEAS President, its Board of Trustees members and all the other members of the CEAS family a very successful 2017.