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Aviation in Europe – Innovating for Growth

The 7th European Aeronautics Days



Establishing Knowledge and Technical Networks to Increase European Competitiveness in the Field of Aerospace

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1- CEAS History & Member Societies (1)

- In the mid 1980s Europe's main professional aerospace societies recognized the increasing importance of **European aerospace business** and the strength of the **European industry alliances** and decided to develop close working relationships
- This culminated in the formation of the **Confederation of European Aerospace Societies (CEAS)**. The official signing of the CEAS Constitution took place at the 1993 Paris Airshow
- In 2003, the 8 Constituent Societies realized that a deeper collaboration was necessary, which would provide CEAS with a legal status and more flexible resources. The official signing took place in 2005 in Hamburg
- The new status transformed the former Confederation into a **Council of European Aerospace Societies (CEAS)** and gave CEAS legal support under Belgian law

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1- CEAS History & Member Societies (2)

At present CEAS comprises the 12 National Aerospace Societies :

3AF	(France)	HAES	(Greece)
AIAE	(Spain)	NVvL	(Netherlands)
AIDAA	(Italy)	RAeS	(United Kingdom)
AAAR	(Romania)	SVFW	(Switzerland)
DGLR	(Germany)	TsAGI	(Russia)
FTF	(Sweden)	PSAA	(Poland)



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1- CEAS History & Member Societies (3)

Society	Founded	Members (End 2013)
RAES (UK)	1866	20.000
DGLR (DE)	1912	2700
TsAGI (RU)	1918	4400
AIDAA (IT)	1920	260
AIAE (ES)	1928	2545
FTF (SE)	1933	1675
NVvL (NL)	1941	350
AAAF (FR)	1945	1500
SVFW (CH)	1957	250
HAES (GR)	1975	365
AAAR (RO)	2006	115
PSAA (PL)	2010	120
Total CEAS	2010	34.280
AIAA	1933	30.000



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1- CEAS History & Member Societies (4)

Associate Members

Open to European Aerospace Societies, not yet “Trustee Member”,
but with the intention of joining the Trustee Members

Czech Aeronautical Society (CzAeS)

Corporate Members

Any other public or private entity, as willing to support CEAS

ESA

Von Karman Institute

EUROAVIA



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2- CEAS Activities and Organization (1)

- Leading integrated programs consisting of specialized and interdisciplinary meetings, dissemination of research and publication of scientific and technical information,
- Encouraging international cooperation through the creation of committees, task forces and study groups, and the promotion of joint activities with other national and international organizations in aeronautics and astronautics and allied fields
- Publishing CEAS journals and newsletter, as well as books, proceedings and papers dealing with aeronautics and astronautics
- Recognizing outstanding contributions to aeronautics & astronautics by bestowing awards and honours on the contributors
- Conducting cooperation with organizations chartered for similar purposes

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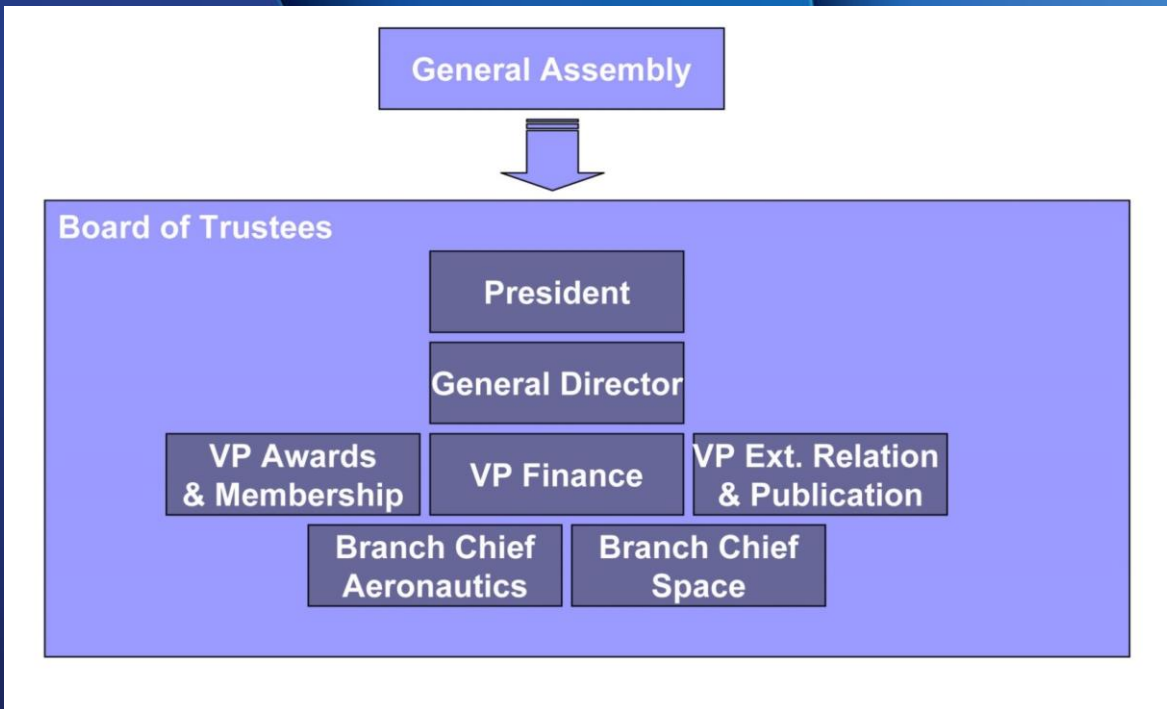
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2- CEAS Activities and Organization (2)





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3- CEAS Achievements and Objectives (1)

To promote the interest of the constituent societies on a European scale and European aerospace activities internationally, CEAS organizes :

- **Knowledge transfer** through organizing **technical workshops and symposia**
- **European Conferences** dealing with specific disciplines and the broader technical aspects
- **Political and technical European Conferences** (Europe – Air & Space)



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3- CEAS Achievements and Objectives (2) : CEAS Bi-annual Conferences

2007	Berlin
2009	Manchester
2011	Venice
2013	Linköping
2015	Delft
2017 * planned	Bucarest

* Under discussion tentatively to be jointly held with EUCASS 2017



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3- CEAS Achievements and Objectives (3)

CEAS publishes journals and a newsletter, as well as books, proceedings and papers dealing with aeronautics and astronautics :

- Position/ discussion papers on key issues
- **Quarterly Bulletins** reporting on and advertising activities
- Peer reviewed Professional Scientific/Technical Journals
 - **CEAS Aeronautical Journal**
 - **CEAS Space Journal**



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3- CEAS Achievements and Objectives (4)

*CEAS recognizes outstanding contributions to aeronautics & astronautics by bestowing **awards and honours** on the contributors through :*

- Professional Recognition at a European Level for its members by providing a Directory of European Professionals,
- Honours and Awards by offering an annual gold medal to recognize outstanding achievements, and medals in technical areas to recognize technical achievement



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3- CEAS Achievements and Objectives (5)

In summary, CEAS, to serve its members, positions itself along two main lines :

- Coordination among members and with other aerospace oriented associations and organizations
- Subsidiarity, meaning doing at the European level what its national member societies cannot achieve on their own, in particular in the relationship with the European Commission

The best example of these objectives is illustrated by the ECAero2 project

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4- The ECAero project (1)

The ECAero2 contract was awarded to CEAS and 5 other European Associations by the EC to the effect of better promoting and coordinating the conferences and the publications of the 6 partners group through the implementation of a joint European structure TBD. It started in December 2014. CEAS took up the initial task of **defining the group's image and the guidelines for its mission, and of proposing its name and possible structures.**

The CEAS proposal delivered last Spring was very well received and is currently under discussion : the simplest and most efficient **structure** would be a **MoU**, the **name 'Aerospace Europe'**, its **image** being carried by the very adequate **« European » logo** in the right angle above

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4- The ECAero project (2) : the 6 partners

Participants

ECCOMAS - European Congress on Computational Methods in Applied Sciences and Engineering, represented by **CIMNE**(Centre Internacional de Metodes Numerics en Enginyeria), the coordinator

ERCOFTAC – European Research Community on flow turbulence and combustion

CEAS– Council of European Aeronautical Societies

EUCASS – European Conference for aero-space sciences

EUROMECH – European Mechanics Society

EUROTURBO (VKI) – European Turbomachinery Conference (Von Karman Institute)

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5- CEAS and the young people (1)

- The changes in the world (the modern technologies and the environment) are very fast.
- The young generations being the leaders of to-morrow are one of our biggest assets.
- CEAS does the utmost to attract much more students and young professionals in the current CEAS existing countries, and to develop their interest in Aerospace in Europe.
- A successful example resulting from this approach is illustrated by our relationship with **EUROAVIA, the European Association of Aerospace Students**

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5- CEAS and the young people (2)

EUROAVIA was invited to the 13th Board of Trustees meeting in Amsterdam on April 23rd 2010, with the following agenda :

- A presentation by EUROAVIA, the promotion of scholarships, competitions and other opportunities on student level, followed by a fruitful discussion
- A mutual cooperation in European events related to students and young professionals
- The possibility to contact CEAS for support in international events,
- A mutual cooperation to spread EUROAVIA to the remaining universities with the support of CEAS
- The use of the extensive networks of CEAS and EUROAVIA to establish a better communication and feedback between the students and the aerospace industry.

EUROAVIA became a CEAS Corporate Member, and is now invited to all the CEAS Board of Trustees meetings

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6- International Cooperation

CEAS promotes international cooperation through MoUs with :

- The International Council for the Aeronautical Sciences (ICAS)



- The American Institute for Aeronautics and Astronautics (AIAA)



- The (French) Air and Space Academy (AAE)



- The Chinese Society of Aeronautics (CSA)



- The Korean Society for Aeronautical and Space Science (KSAS)



- The association of European Research Establishments in Aeronautics (EREA)





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7- Conclusion

www.ceas.org

CEAS is the initiative of the European professional aerospace societies to cooperate and establish knowledge and technical networks in order to increase European competitiveness in the field of aerospace. Thus, CEAS :

- Provides a network of European aerospace professionals
- Shares knowledge through general and specialists conferences
- Publishes a quarterly Bulletin, Journals and Books
- Cooperates through MOUs with ICAS, AIAA, and other international aerospace organizations
- Jointly recognizes outstanding European Aerospace Professionals
- Provides support to students and young professionals

CEAS also develops and maintains strong relations with the EU and its Framework Programmes, CleanSky and SESAR , **and European organizations** like ESA, ASD, ACARE, EASA and EREA

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