



European Aeronautics Science Network

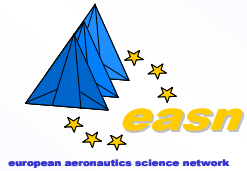


The European Aeronautics Science Network

Association



european aeronautics science network



European Aeronautics Science Network





European Aeronautics Science Network



The long-term goal by establishing EASN was to built up an open, unique European platform in order to structure, support and upgrade the research activities of the European Aeronautics Universities as well as to facilitate them to respond to their key role in realizing the European Research Area.

The European Aeronautics Science Network principles have obtained the support of the commission thanks to two funded Specific Support Actions (SSAs) with durations from 01.01.2002 up to 30.06.2005 and from 01.10.2006 up to 31.12.2008.



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On 06.05.2008, the EASN Association was founded by 22 founding members and the support of the Commission and several University professors throughout Europe.

Main features of the EASN Association:

- Self funded and self sustainable
- International association
- Coordinated and run by a board of directors who are elected by the general assembly for a 3 year term. The position of a board member is unsalaried



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The **primary aim of the Association** is the advancement of the aeronautics sciences and technologies.



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Role of EASN in the European research community

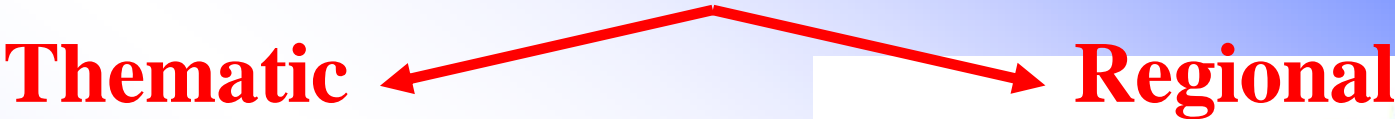
- To link, structure and represent the European Academia in Aeronautics research related issues.
- To support innovative Aeronautics related research.
- To disseminate knowledge and technological innovation and execute dissemination work through its participation either on its own or within the framework of consortia in national or international projects and research programs related to aerospace.
- To support the scientific and technological cooperation and human mobility within the area of its cognitive subject and the organization of and the participation to relative activities.
- To promote, encourage, coordinate and focus joint efforts between Universities, Research Organizations, Industry and SMEs which are active in Europe in the field of aeronautics and aerospace.
- To act as a communication platform between the European Aeronautics Academia and the professional Associations of other stakeholders, governmental and state authorities, the European Commission, etc.



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Structure of EASN



- 1. Flight Physics
- 2. Aerostructures
- 3. Propulsion
- 4. Aircraft Avionics, Systems and Equipment
- 5. Flight Mechanics
- 6. Integrated Design & Validation
- 7. Air Traffic Management
- 8. Airports
- 9. Human Factors
- 10. Innovative Concepts and Scenarios





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EASN Association members

Effective members (with voting rights)

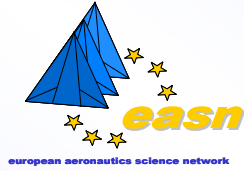
- Individuals from European Academia or other University-similar organisations, who are active in Aeronautics related research.

Associate members

- Individuals from Research establishments, SMEs and Industries, who are active in aeronautical research activities and cooperate with the academia.
- Entities such as Universities, University departments, REs, SMEs, Industries, other associations, professional organisations or governmental agencies (e.g. EEC) subscribing to the objectives of the Association.
- Each entity will be represented by a single person.

Honorary members

- The title of Honorary Member or Honorary President may be granted by the General Assembly to persons who have rendered outstanding services to the Association.
- Honorary President take juris et de jure part in the General Assembly and Board meetings with a consultative vote.

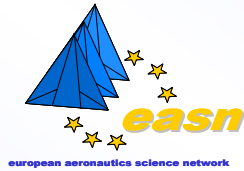


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EASN projects endorsement for the FP calls

- Competition for European research funding is increasing. Projects need to be of high quality, with well balanced and high credibility consortium members.
- EASN supports the submission of Academia driven proposals in the FP calls by endorsing a number of projects and assisting the coordinators to prepare proposals with high chances of success.
- For the 5th FP7 call, EASN is endorsing 14 proposals coming from the European academia.
- The proposals are available to all EASN members on the EASN website.



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EASN endorsed projects for the 5th FP7 call

LIAPERE	Life extension of air system parts by reopening
EM-CRACK	Aircraft Health Monitoring by exploiting Fracture-Induced Emmissions of Electromagnetic Radiation
GENUMAS	Geometric Numerical Simulator for Aircraft Safety
	New solutions for manufacturing and repair of Ni alloys components
ALSYS	Composite Aircraft Active Lightning-strike Protection System
SULTRAMAT	Surface engineering for ultra high temperature Nb Based alloys for the aerospace sector
PARAD2IS	PARAMeters of Defects Detected In composites by Shearography
AISHA+	Aircraft integrated structural health assessment +
VIVID	Virtual assessment of low-velocity impact damage in composite airframes
QICOM	Quantitative inspection of complex composite aeronautic parts using advanced X-ray techniques
CJ	Innovative Aerostructures Connections – Composite Joints of Aerostructures”
SAB-P	Smart based air power system
HIPACT	Design of novel aircraft structures resistant to high velocity impact
IASS	Improving the aircraft safety by self healing structure and protecting nanofillers



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Further information about EASN and its activities
can be found on the EASN website

www.EASN.net