

SPEAKERS BIOGRAPHY

KNOWLEDGE CAFE 2

- [DEBATE 1: ENERGY: ASD SECTORS' NEEDS & CONTRIBUTION TOWARDS A SUSTAINABLE & STABLE ENERGY SUPPLY](#)
 - [DEBATE 2: MOBILITY: ASD SECTORS' CONTRIBUTION & NEEDS](#)
 - [DEBATE 3: CLEAN SKY & BEYOND: INCLUSIVE RESEARCH TOWARDS THE MOST ENERGY-EFFICIENT AIRCRAFT EVER](#)
 - [DEBATE 4 : SKILLS : ENSURING THE RENEWAL OF AEROSPACE WORKFORCE](#)
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DEBATE 1: ENERGY: ASD SECTORS' NEEDS & CONTRIBUTION TOWARDS A SUSTAINABLE & STABLE ENERGY SUPPLY

MODERATOR



Richard Hlavatý

Chairman of the Executive Board, TPEB CR

- Since 2011 Chairman of the Executive Committee –Technological Platform of Energy Security CR
- 2012 - 2013 – VÍTKOVICE POWER ENGINEERING a.s. – Marketing Director
- 2006 - 2011 - Defense and Security Industry Association CR–Vice President,(till 2013)Executive Director
- 2002 – 2006 - Ministry of Industry and Trade – Head of Section –Trade , EU
- 1993 – 2002 Banking Sector – Czech and International
- 1986 – 1992 Foreign Office

PANELISTS



Isabelle Duvaux-Béchon

*Coordinator of ESA Transverse Cross-cutting Initiatives
European Space Agency*

Isabelle Duvaux-Béchon is a diplomed engineer from Ecole Centrale Paris (specialisation in Air & Space engineering). After graduating in 1983, she spent 4 years in Matra Espace, as product engineer for telecommunications and microgravity. She joined ESA in 1987 and has occupied several posts in various areas: Microgravity, International Space Station, Budget, Education, Corporate Planning. From 2010 to end 2013 she was Head of the Future Preparation & Strategic Studies Office, in charge of the ESA General Studies, the Advanced Concepts Team and the coordination across ESA of transverse activities. Since January 2014, she is in charge of Management Support functions for the Director of Finance, Controlling and Information Technology (D/FCI Coordinator), and the Coordinator of ESA Transverse Cross-cutting Initiatives serving Earth challenges (Space & Energy, Oceans, the Arctic, the Antarctic...).



Petteri Hyttiäinen

Global Sales Director

Petteri is from Finland, born in Suonenjoki in 1977. After high school he studied energy engineering specializing in international energy business. He graduated in 2003 to a Master of Science, engineering. Petteri did his master thesis about cast-resin distribution transformers for Schneider Electric during 2003.

Same year 2003 he took over a position as a energy efficiency team leader at Pöyry Oyj, Espoo, a leading energy consultancy company in Finland. After Pöyry he worked for Efore PLC and joined Siemens Building Technologies AG global headquarters, Zug, Switzerland in 2008 as a Global Performance Assurance Director and later 2012 Global Sales Director in Building Performance and Sustainability department. Petteri has 12 years of experience in energy efficiency, energy distribution and renewable energy. He is married, is an avid sportsman and likes traveling.



Valérie Guénon

European Technology Strategy VP, Safran Group

Valérie Guénon was born in 1963 and is a French citizen. She holds a mechanical engineering degree from Université de Technologie de Compiègne (France) and a Master in applied sciences from the University of Delaware (USA) where she specialized in mechanics of composite materials. She held technical functions (design and analysis, materials and processes department, R&T programmes manager) in Snecma (aircraft engines) and she was quality VP of Messier-Bugatti (aircraft wheels and brakes). She has 10 years' experience in the European research domain, representing the SAFRAN group's Research and Technology in Brussels and contributing to founding the Clean Sky Joint Technology Initiative. She is member of ACARE, for which she was lead editor of the SRA2 chapter on environment in 2004 and she now co-chairs the ACARE Working Group on environment. In France, she participates in Conseil pour la Recherche Aeronautique Civile (CORAC).

DEBATE 2: MOBILITY: ASD SECTORS' CONTRIBUTION & NEEDS

MODERATOR



Michael Standar

*Chief Strategies & International Relations
SESAR JU*

Michael STANDAR is the Chief Strategies and External Relations at the SESAR Joint Undertaking based in Brussels, Belgium. Michael was offered the position as Chief Air Traffic Management 1st July 2011 and 1st January 2012 promoted to Chief Strategies and External Relations. Michael manages strategic direction and all the SJU international relations, including the cooperation with the FAA/NextGen Programme and towards ICAO reporting to the SJU Executive Director. Michael started of his career 1976 as an Air Traffic controller in the Swedish Air Force and in 1978 when Sweden implemented a civ/mil integrated Air Navigation Services he joined the Swedish Civil Aviation Authority whilst maintaining his officer status in the Swedish Air force reserve. Michael did during his operational career as an ATCO hold a full book of ratings for all ATC operational areas including supervision and training. After a number of years working as an Air Traffic Controller in the UAE and Bahrain he returned to Sweden. Since the mid-1980s he held different posts at the Swedish CAA and at the Swedish ANS service Provider - LFV. He advanced as Head of Unit for ATM operational developments and operational support to Head of the business area of LFV's ATM Support & Development before taking up duties as LFV Director for ANS Business Development. In this capacity he worked intensively on Nordic and North European ANSP cooperation leading to the formation of the North European ANSP Cooperation, NEAP formed 2007. He was also the LFV representative in the SESAR definition phase and held one of the three elected seats of the ANSP Stakeholder Group in the SESAR Consortium Executive Committee. Michael was also an active Swedish member of ICAO Air Traffic Management Operational Concepts panel, ATMCP which developed the ICAO Global ATM Operational Concept Document and later in the in the Air Traffic Management Requirements and Performance Panel, ATMRPP

PANELISTS



Luc Tytgat

Director of the Pan-European Single Sky Directorate

Luc Tytgat joined EUROCONTROL as Director of the Single Sky Directorate on 16 March 2011, after having worked for twenty years in the field of air transport in the European Commission and ten years in the Belgian Air Force.

Luc Tytgat began his career in aviation in 1976 when he joined the Belgian Military Academy to study aeronautical engineering. After graduating in 1981, he worked in various areas in the Belgian Air Force, ranging from jet maintenance to electronic warfare. In 1990, he obtained a Master's Degree in Public Management and moved over to the European Commission to join the Cabinet of Karel Van Miert, dealing at that time with state aid, the international market, industry policy and air transport.

For the next ten years, he worked on air transport matters in different parts of the Commission – Research and Innovation; Enterprise and Industry; Transport and Energy. At the beginning of his time there, he was deeply involved in harmonisation matters – air traffic control equipment and navigation infrastructure, laying the foundations for work on the Single European Sky that he was to lead later.

He devoted seven years to space issues, managing the Galileo programme and coordinating negotiations between Europe and the United States and Europe and Russia. He was also instrumental in developing the European Union's first space policy.

In 2006, he became Head of the Single Sky Unit at the European Commission. He was responsible for the implementation of the Single European Sky second legislative package and helped set up the SESAR Joint Undertaking. He was directly involved in extending the European Aviation Safety Agency's competencies and implementing the Framework Agreement with EUROCONTROL.

Once the regulatory groundwork of the Single European Sky had been laid, the appeal of being able to help actually implement the programme was irresistible and so he moved over to EUROCONTROL to do this in March 2011 to be appointed Director of the Single Sky.



Gzim Ocakoglu

*Single European Sky, DG MOVE
European Commission*

Gzim Ocakoglu is Policy Officer within the Unit E2 "Single European Sky" of Directorate-General Mobility and Transport (DG MOVE) at the European Commission, in charge of the implementation of the "Interoperability" Regulation (Regulation No 552/2004), one of the four basic legal acts supporting the Single European Sky. His responsibilities include the implementation, follow-up and maintenance, in close cooperation with EASA and EUROCONTROL, of the adopted Interoperability Implementing Rules. They also include, in collaboration with the main stakeholders, the implementation of the ATM Master Plan, and notably the identification and programming of future standardisation and regulatory needs. From 2008 to 2013, he was involved in DG MOVE in policy and legislative activities in the area of Intelligent Transport Systems (ITS), notably contributing to the preparation, adoption and implementation of the Commission's ITS Action Plan and ITS Directive.

Prior to joining DG MOVE, he served from 2003 to 2008 as Programme Manager within DG DIGIT and DG ENTR, coordinating the security activities within the IDABC

Programme on pan-European interoperability of eGovernment services.

Before joining the Commission in 2003, he held for 10 years various research and management positions in the telecom industry, working for both equipment manufacturers and telecom operators.

Gzim Ocakoglu holds a MS degree in Electro-Mechanical Engineering from the "Université Libre de Bruxelles" and a MS in Electrical Engineering from the University of Minnesota.



Abdoulaye Ndiaye

*Secretary General
EUROCAE*

Mr Abdoulaye N'Diaye is the Secretary General of the European Organisation for Civil Aviation Equipment EUROCAE. He is a Board Member of the European RPAS Steering Group. He is an aviation expert with 24 years of experience, both in civil and military domains, with Thales Group and Rockwell Collins and now EUROCAE. He has held senior management positions in Corporate Strategy, Business Development, RPAS, Program Management, as well as Engineering positions in Air Operations, Certification & Airworthiness, Systems Engineering and Safety Critical Software Development. Abdoulaye N'Diaye graduated from National Institute of Civil Aviation, in France, in 1989.



Nicolas Chabbert

*Chairman EGAMA, Senior Vice-President Airplane Business Unit
DAHER SOCATA*

Nicolas Chabbert, 47, is an accomplished aviation professional, who started his aviation career with SOCATA in 1992 as director of sales for Europe. In 1996 he moved to the USA as Vice President Sales & Marketing of Socata Aircraft Inc. where he re-introduced on the market the TB & TBM aircraft. He left Socata in 2001 to launch a start-up project and came back to aviation in 2002 to serve as Executive Vice President of Mooney Aerospace Group. He came back to SOCATA in 2005 and fulfills several positions as Vice President Customer Service and Sales & Marketing, while assuming the position of President & CEO of SOCATA North America, the US subsidiary.

Soon after the creation of DAHER-SOCATA resulting from the merger of DAHER Aerospace activities and SOCATA, he was appointed as Senior Vice President of the Airplane Business Unit in 2010.

Besides his professional activities, he is the Chairman of the European General Aviation Manufacturers Association (ASD-EGAMA). A section of ASD (AeroSpace & Defence Industries Association of Europe), EGAMA represents 12 of the European leading general aviation manufacturers ranging from complex business jets to helicopters and small leisure aircraft.

Nicolas Chabbert holds a MBA from ESLSCA, Business School in Paris, and he holds an Airline Transport Pilot license and flies all DAHER-SOCATA aircraft including the TBM 900 Very Fast Turboprop aircraft.

DEBATE 3: CLEAN SKY & BEYOND: INCLUSIVE RESEARCH TOWARDS THE MOST ENERGY-EFFICIENT AIRCRAFT EVER

MODERATOR



Prof. Rolf Henke

Member of the Executive Board, DLR

Rolf Henke joined the DLR Executive Board on 1 November 2010 and is responsible for Aeronautics research. Henke was born in Lüdenscheid in 1956 and studied Aerospace Technology between 1975 and 1980 at the Technical University of Berlin (Technische Universität Berlin; TU Berlin). In 1981, he received a scholarship in the form of a postgraduate bursary from the British Council for a research placement at the Cranfield Institute of Technology (now Cranfield University) in the UK.

From 1980 to 1985, with some interruptions, he worked as a research fellow at the TU Berlin Aerospace Institute. From 1985 to 2006, Henke worked at MBB (Messerschmitt-Bölkow-Blohm, now Airbus Operations). From 1985 to 1992, he was Test Manager for Special Projects, with particular emphasis on laminar flow technology, and went on to take charge of all laminar flow programmes at Airbus between 1992 and 1998. This work also included flight-testing of the Airbus A320. Alongside his work at Airbus, Henke was a lecturer in Aerospace Engineering at Bremen University of Applied Sciences (Hochschule Bremen) from 1992 to 1996. In addition, he worked as Airbus Transnational Coordinator for the 'Technology Area Aerodynamics' during this time. From 1998, he was in charge of the German national concept for Adaptive Wing Technology (Adaptive Flügeltechnologie; ADIF) before becoming Head of Airbus High-Lift Technology in 2000. From 2002 to 2006, he also headed the EU technology platform AWIATOR (Aircraft Wing with Advanced Technology Operation), and was involved in wing technology development, and was a Senior Project Manager and a member of the Airbus Research and Technology Management team. During this time, he was also a co-initiator and founding member of the Steering Committee at the German High-Lift Center (Lenkungs-kreis des Hochauftriebszentrum Deutschland; LHD), set up to safeguard the German work share, and was also Head of the Cluster for Conceptual Aircraft Design (CCAD) at LHD.

In 2006, Henke became Professor of Aeronautics and Astronautics at the Technical University of Rhineland Westphalia (Rheinisch-Westfälische Technische Hochschule; RWTH) in Aachen and Head of the Institute of Aerospace Technology (Institut für Luft- und Raumfahrt; ILR) there. At RWTH Aachen, Henke was involved in design, evaluation and simulation capabilities as well as in the development of a facility for conducting field measurements on aircraft noise emissions. He founded new courses on aircraft design and aircraft systems technology and was a member of various bodies such as the Faculty Council, the Teaching Committee and the RWTH Ethics Commission.

Alongside his work at Airbus and at RWTH Aachen, Henke was also engaged in various other assignments. For example, from 2002 to 2006, he was spokesperson for Germany's national Fluid Mechanics Working Group (Strömungsmechanische Arbeitsgemeinschaft; STAB) and, since 2004, has been Vice President and a Member of the Senate of the German Society for Aeronautics and Astronautics Lilienthal –Oberth (Deutsche Gesellschaft für Luft- und Raumfahrt – Lilienthal-Oberth; DGLR). Since 2009, he has been a member of the Programme Committee of the International Council of the Aeronautical Sciences (ICAS) as well as a member of the Editorial Board of the Aeronautical Journals of the Council of European Aerospace Societies (CEAS).
Henke will continue to teach through a special professorship at RWTH Aachen.

PANELISTS



Eric Dautriat

Executive Director, Clean Sky JU

Born in Bar le Duc, France, 1955

Married, two children

Engineer, graduated from Ecole Centrale de Lyon in 1977.

Mechanical engineer then Advanced Projects engineer in Snecma (Villaroche, France), 1978- 1984.

He joins the Centre National d'Etudes Spatiales (CNES) in 1985; French delegate to the Ariane Programme Board and the Scientific Programme Board of the European Space Agency, 1985- 1988.

From 1988 to 2003, member of the CNES Launchers Directorate, successively: Deputy

Manager of Ariane 4 complementary programmes - Manager of advanced projects - Project Manager of Ariane 5 Solid Rocket Booster - Director of Launchers from 1997 to 2003, in charge of Ariane 5 developments by delegation of the European Space Agency and of national Research and Technology activities.

Quality VP of Snecma (Safran Group), 2003-2008, Quality VP of Safran Group 2007-2009.

Executive Director of the Clean Sky Joint Undertaking, Brussels, from 15th September 2009.

Chevalier de la Légion d'Honneur.



Josef Kašpar

EREA/VZLU

Born in 1970 in the Czech Republic, permanently resident in Prague, married, 2 children.

Czech Technical University in Prague, Faculty of Mechanical Engineering; specialized training in aircraft design, project management, financial management and intellectual property management.

Current positions:

- Board Chairman and General Director of VZLU - Aerospace Research and Test Establishment.
- President of ALV - Association of the Aviation Manufacturers of the Czech Republic.
- Chairman of EREA - European Association of Research Establishments in Aeronautics.
- Member of General Assembly of ASD - Aerospace and Defence Industries Association of Europe.
- Member of Research and Technology Commission of ASD.
- Member of Expert Commission for Technical Sciences and Engineering (Advisory Body of the Research and Development Council of the Czech Government).
- Presidium Member of AVO - Czech Association of Research Organizations.

Experience:

- Management of a big Joint Stock Company in form of Research Organization.
- Leadership of more than 10 R&D projects focused on rotating lifting surfaces and composites structures.
- Authorship of 3 utility patents and more than 60 technical and scientific publications.



Manuela Soares

*Director Transport, DG RTD
European Commission*

Manuela SOARES was born in Portugal where she attended the University of Porto and received a MSc, followed by a PhD, in Chemical Engineering in 1983. She then took up positions as Auxiliary and Associate Professor in the Department of Chemical Engineering within the Faculty of Engineering of the University of Porto. Manuela SOARES joined the Research Directorate-General of the European Commission in 1988, where she has held the posts of Scientific Officer, Head of Unit, Adviser and Director. She is currently the Director of the Transport Programme in the Research and Innovation Directorate-General.



Prof. Zdobyslaw Goraj

*Vice-President of EASN
Warsaw University of Technology*

Prof. Zdobyslaw Goraj is aircraft designer and specialist in flight dynamics, head of the Aircraft Design Department and course director for Aerospace Engineering at the Warsaw University of Technology. His major topics of interest cover aircraft design and optimisation, stability and manoeuvrability of flying objects; aircraft performances and flight safety. Member of editorial boards of a few aeronautical journals including J. of Aerospace Engineering, J. of Aircraft Engineering and Aerospace Technology, Aviation and others. Regularly asked for reviews and opinions about submitted papers and international projects, both from Poland and from abroad. Initiator & main organiser of the International Seminars entitled: „Research and Education for Aircraft Design” (1994-2012). Author of numerous papers (more than 100). Doctor Honoris Causa of 2 foreign universities: Moscow State Aviation Institute and Vilnius Gediminas Technical University, AIAA member; ICAS Programme Committee member, member of EASN Board of Directors, visiting professor in ODU(US), Nagoya (Japan), Kingston (UK) and other European Universities. President of Polish Society of Aeronautics and Astronautics. Member of ACARE.



Simon Weeks

*Head of Aerospace Research & Technology
Rolls-Royce*

Dr Simon Weeks is Head of Aerospace Research & Technology for Rolls-Royce. In this role, Simon leads the global research and technology activities for future jet engines for Rolls-Royce, covering civil and defence applications. Simon has spent most of his professional career in Rolls-Royce, working across all stages of the product lifecycle. He joined Rolls-Royce in 1990 in combustion research. He then progressed to lead all of the military technology programmes at Rolls-Royce. Following this, Simon moved into engineering projects, leading the engineering programme for the RB199 engine on the Tornado aircraft. He then became Technical Director for Eurojet in Munich and led the development of the EJ200 engine for the Eurofighter Typhoon aircraft. Returning to the UK Simon subsequently led the blue skies strategic research programme for Rolls-Royce and then moved on to lead controls engineering for civil aerospace and played a leading role in establishing a new joint venture company with Goodrich, Aero engine Controls. Simon is a chartered engineer and a Fellow of the Royal Aeronautical Society. He gained a MA in chemistry and a DPhil in the electro-chemistry of fuel cells at Oxford University.

DEBATE 4 : SKILLS : ENSURING THE RENEWAL OF AEROSPACE WORKFORCE

MODERATOR



Johann-Dietrich Wörner

Vice-Chair ACARE, Chairman of the Executive Board, DLR

Johann-Dietrich Wörner was born in Kassel in 1954. He has been Chairman of the Executive Board of the German Aerospace Center (DLR) since 1 March 2007. He studied civil engineering at the Technische Universität Berlin and the Technische Hochschule Darmstadt, from where he graduated in 1985. Until 1990 Wörner worked for the consulting civil engineers König und Heunisch. In 1990 he returned to Darmstadt University, where he was appointed to a professorship in Civil Engineering and took over as Head of the Testing and Research Institute. Before being elected President of the Technische Universität Darmstadt in 1995, he held the position of Dean of the Civil Engineering Faculty.

Wörner has been honoured with a series of prizes and awards such as the Prize of the Organisation of Friends of the Technische Universität Darmstadt for 'outstanding scientific performance'. He was also appointed to the Berlin Brandenburg Academy of Sciences and is a representative of the Technical Sciences Section of the German Academy of Sciences Leopoldina. Wörner has received honorary doctorates from the State University New York (USA), the technical universities of Bucharest (Romania) and Mongolia, the Saint Petersburg University for Economics and Finance (Russia), and École Centrale Lyon (France). He has been honoured by the German state of Hesse and the French government.

Wörner is Vice President of the Helmholtz Association; he is also a member of various national and international supervisory bodies, advisory councils and committees. He was a member of the board of École Centrale Paris and École Centrale Lyon, the Convention for Technical Sciences (acatech) and the supervisory board of Röhm GmbH, to name just a few. Furthermore, he was appointed to the energy expert group of the German Government. He continues to be a member of the advisory boards of several universities such as the Technische Universität Berlin and the IST Lisboa.

PANELISTS



Franco Bernelli

*Chairman PEGASUS
Born in Milano (Italy) on December 20, 1960.*

High school degree at the Liceo Scientifico Statale "R. Donatelli" in Milano in 1979 with full marks (60/60). Degree in Aeronautical Engineering at Politecnico di Milano in the academic year 1984/85 with full marks (100/100), with thesis on: "Methods for the identification of the stability derivatives and the flutter characteristics of aircrafts by means of flight tests" (supervisor prof. P. Mantegazza). In 1984 and 1985 he spent two training periods three months long, one at Pilatus Aircraft Ltd and the

other at Aermacchi S.p.A.. The main topic of these stages has been the study and numerical implementation of flight test analysis methods. Following the M.S. degree ("laurea") he was awarded two research fellowships from Fondazione Ing. Paolo Foresio, spent at the Dipartimento di Ingegneria Aerospaziale of Politecnico di Milano for the researches: "Modelling and Control of Large Space Structures" and "Active Control of Large Space Structures". He was awarded the 1987/88 study prize from "Rotary Club Milano San Babila". In 1990 he successfully completed his Ph.D. Aerospace Engineering, discussing the dissertation on: "Modeling and active control of aerospace dynamic systems". In November 1992 he became Associate Professor at Politecnico di Milano, and in March 2001 Full Professor, where he currently teaches and performs researches in the fields of space flight mechanics and aerospace control systems.



Hester Bijl

Dean, Faculty of Aerospace Engineering, TU Delft

Professor Hester Bijl has been appointed as dean of the Faculty of Aerospace Engineering as from 15 April 2013. Hester Bijl studied Applied Mathematics at TU Delft and English at Leiden University. After obtaining her doctorate in Computational Fluid Dynamics she worked as a consultant with the Boston Consulting Group, returning to TU Delft in 1999. In 2005 Hester Bijl was awarded a Vidi grant by NWO for her research into calculation models for more accurately predicting forces on wind turbine rotor blades. In 2006 she was appointed Antoni van Leeuwenhoek Professor in Aerodynamics. Hester Bijl was the first female professor at TU Delft to teach numerical aerodynamics and aero elasticity.



Joeri De Ruytter

*Research & Technology Partnerships
Honeywell*

Joeri De Ruytter spent the whole of his career in the aviation market and is currently responsible for partnerships and funding for projects at the Advanced Technology Europe unit of Honeywell Aerospace. He has a Masters Degree in Avionics, is Member of the Royal Aeronautical Society (MRAeS), Steering Committee member of its Brussels Branch, recognized expert at the European Commission, and is an active private pilot since he was a teenager.



Norberto Cibien

*Managing Director, Electronics & High Technology, Aerospace & Defense Lead, Italy, Greece, Middle East and Eastern Europe
Accenture*

Norberto Cibien is responsible for Accenture's IGEM (Italy, Greece, Middle East and Eastern Europe) Electronics & High Technology practice which includes the Aerospace & Defense segment. In this capacity, Norberto leads Accenture's P&L for consulting, outsourcing and technology services across all of our Aerospace & Defense and High Technology clients in the region. In his nineteen years career with Accenture, Norberto has developed a distinguished experience in large transformation programs, significantly contributing in developing critical capabilities for multinational corporations operating in the Aerospace & Defense, Wire & Cable, Automotive, Media & Entertainment and Consumer Technology segments.

Norberto holds a degree in Mechanical Engineering.

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