

AERODAYS 2015 - programme

tentative Day 1: Tuesday, 20 October 2015											
08:30	Registrations										
10:00	Opening Moderator: Stephanie McGovern, British Business Broadcaster										
11:45	Lunch										
12:45	Plenary 1 Chair: Stephen Henwood, Chairman of UK Aerospace Technology Institute										
13:50	Parallel 1	1A (large)	1B	1C	1D	1E	1F	1G	1H	1I	1J
	Room	Fleming	Westminster	Wesley	St James's	Moore	Rutherford	Abbey	Mountbatten	Wordsworth	Shelley
	Key Theme	<i>Greening of Aviation</i>	<i>Greening of Aviation</i>	<i>Greening of Aviation</i>	<i>Greening of Aviation</i>	<i>Competitiveness of Aviation Industry</i>	<i>Greening of Aviation</i>	<i>Research and Innovation Policy</i>	<i>Research and Innovation Policy</i>	<i>Research and Innovation Policy</i>	<i>Skills and Breakthrough</i>
	Technical	Clean Sky	Alternative Fuels	Noise & Vibrations	Design Tools & Production	Avionics	Systems & Equipment	International Cooperation	Research & Innovation Policy	Research & Innovation Policy	Outreach
	Title	Clean Sky Forum	Alternative Aviation Jet Fuels	Noise Reduction Technologies	Technology Assessment of Environmental and Economical Impact	Advanced Avionics - Aid to Piloting	Towards More Electrical Aircraft	European and International networks	Knowledge Transfer in Aviation	Aviation RTD initiatives in the EU Member States (I)	Young Researcher Competition Presentation 'Safety & Security'
	1	Clean Sky Impact on Aeronautical Research Eric Dautriat Clean Sky JU	European Network of Excellence for Sustainable Alternative Fuels for Aviation Johannes Michel FNR	Aviation Noise Research Network and Coordination Dominique Collin SNECMA	TEAM_Play and its Role in European Aviation Environmental Modelling Paul Brok NLR	Advanced Cockpit for Reduction of Stress and Workload Dr. -Ing. Daniel Dreyer Airbus Group Innovations	Modular Electro Mechanical Actuators for the Next Generation of Aircraft Enrique Santafe & Marc-Olivier Legrand UTC Aerospace Systems	The Case of Embraer in Evora: From International Cooperation to EU-Based R&D Ricardo Reis Embraer Europe	Harmonizing the European Dissemination Landscape in Research and Innovation for the Aerospace Sector Pedro Diez Universitat Politècnica de Catalunya	The Aeronautics ERA-Net AirTN NextGen Marcello Amato CIRA	The Implications of Fully Automated Aircraft in Commercial Aviation Gregory Roberts Buckinghamshire New University
	2	Overview of Clean Sky Technical Programme and Achievements to Date Giuseppe Pagnano Clean Sky JU	Alternative Fuels for Aviation Inmaculada Gómez SENASA	Experimental and Numerical Investigation of Installation Effects in Environmental Control Systems Christophe Schram von Karman Inst. for Fluid Dynamics	Clean Sky Technology Evaluator Ralf Berghof DLR	All Condition Operations and Innovative Cockpit Infrastructure Robert Blake / Simeon Wincott Agusta Westland Ltd	Reliability and Safety Enhanced Electrical Actuation System Architectures Alberto Gallego Linares CESA	Aero-Ukraine - Results from a Project Stimulating Cooperation between Ukraine and the EU Roland Guraly Slot Consulting Ltd	European Aeronautics Universities - Hatchery of New Knowledge and Breakthrough Technologies Goraj Zdobyslaw EASN / Univ. Warsaw	LuFo – the German National Research Programme in Aeronautics Friedrich Koenig Ministry for Economic Affairs and Energy	Experimental and Computational Investigation into the Effect of Bird Strikes on Aircraft Milan Odedra Queen Mary University of London
	3	Eco Design Achievements and Future Perspectives Rainer Schweppe Fraunhofer	Progress and Perspectives of Solar Fuels Andreas Sizmann Bauhaus Luftfahrt	Airframe Noise Reduction Technologies applied to High-Lift Devices of Future Green Regional Aircraft Ignazio Dimino Clean Sky	Presentation of the IMPACT Tool and the Environment activities in SESAR Laurent Cavadini Eurocontrol	A Step Ahead to the 2nd Generation of Integrated Modular Avionics Thierry Maret THALES	Smart Electrical Power Distribution Centre for the Evaluation of More Electrical Aircraft Augustin Mpanda ESIEE-Amiens	Bridging Eastern and Western aerospace actors David Barnes Farnborough Aerospace Consortium	FUTURE SKY and the Central Role of Research Establishments in the Aviation R&TD Cycle Paul Eijssen EREA / NLR	TAKE-OFF - The Austrian Aeronautics Research Programme Ingrid Kernstock & Hermann Ferschitz BMVIT	Combining Risk Management and Resilience Engineering to Enhance Air Traffic Management System Safety Riccardo Patriarca Sapienza University of Rome
	4	On The Way to Open Rotor Aircraft Pierre Guillaume SNECMA	Alternative Fuels and Biofuels for Aircraft Development Yohan Allouche Airbus	Full-scale Wind Tunnel Demonstration of Nose Landing Gear Low-Noise Technologies for Future Regional Aircraft TBC	Clean Sky Technology Evaluator - Environmental Performance of Rotorcraft Vassilis Pachidis Cranfield University	Real Time Adaptive Processing of Multisource Weather Data Fabrizio Cuccoli RaSS CNIT	A Computational Framework for Aircraft Design and Certification to Minimise the Risk of Electromagnetic Interference Luigi Pisu Alenia Aermacchi	European - South African Research Cooperation in Aeronautics (TBC) Vinny Pillay Department of Science and Technology, South Africa	Establishing Knowledge and Technical Networks to Increase European Competitiveness in the Field of Aerospace Pierre Bescond CEAS	The National Aeronautics Research Activities of the Netherlands Dik Verdujin Netherlands Enterprise Agency	Trajectory Clustering, Modeling and Selection with the focus on Airspace Protection Willem J. Eerland University of Southampton
											Innovations in Airport Security: How Much Does it Cost to our Privacy? Ridha Aditya Nugraha Universiteit Leiden
											Improved Damage Detection and Location on Aircraft Structures using an Inverted Delta-T Acoustic Emission Technique Ryan Marks Cardiff University
15:20	Coffee Break										

15:50	Parallel	2	2A (large)	2B	2C	2D	2E	2F	2G	2H	2I	2J
			Fleming	Westminster	Wesley	St James's	Moore	Rutherford	Wordsworth	Abbey	Mountbatten	Shelley
			Greening of Aviation	Safety and Security	Greening of Aviation	Competitiveness of Aviation Industry	Competitiveness of Aviation Industry	Safety and Security	Competitiveness of Aviation Industry	Research and Innovation Policy	Research and Innovation Policy	Skills and Breakthrough
			Clean Sky	Safety & Security	Noise & Vibrations	Design Tools & Production	Avionics	Systems & Equipment	Rotorcraft	International Cooperation	Research & Innovation Policy	Outreach
Title	Clean Sky Forum	Enhancing Safety in Single European Sky	Reducing Engine Noise	Aircraft Design Tools	Human Centred Systems	Novel Sensor and On-board Systems	Advanced Rotorcraft Technologies	Canadian RTD Activities in Aviation	Widening the Participation in Aviation Research	Young Researcher Competition Presentation 'Greening of Aviation'		
1	The Clean Sky 2 Programme	Overview of SESAR Safety Activities	Research on Core Noise Reduction	Innovations in Aircraft Architecture Selection	Applying Pilot Models for Safer Aircraft	Using Millisecond Radio Pulsar Signals in Aircraft Navigation	Light Helicopter Demonstrator with High Compression Engine	International Cooperation in Aeronautics Research – A Canadian Perspective	Synergies between Horizon 2020 and the European Structural and Investment Funds	An Assessment of the Benefits and Viability of a Compensation Scheme for Communities Adversely Affected by Airport Operations to Facilitate Aviation Growth.		
	Ron van Manen Clean Sky JU	Olivia Nunez SESAR JU	Friedrich Bake DLR	Pierre Arbez Airbus Operations SAS	Andreas Hasselberg DLR	Henk Hesselink NLR	Alexandre Gierczynski Airbus Helicopters	Jerzy Komorowski NRC	Pia Laurelia European Commission	Jonathan Keen Manchester Met		
2	The Clean Sky 2 Airframe Integrated Demonstration	Airport Safety Nets for Pilots, Vehicle Drivers and Controllers	Innovative Counter Rotating Fan System for High Bypass Ratio Aircraft Engine	Bringing Uncertainty Management and Robust Design Methodologies to Industrial Levels	Using (just) Your Brain to Control an Airplane - How the Future of Aviation will pass through Brain Controlled Aircrafts	The Safer Fuel System	Eco-Fairs: Development of Thermoplastic Structural Fairing for Helicopters	CARIC and Canadian R&D Capabilities	Building Synergies between Clean Sky and Structural Funds	A New Aircraft for Commercial Passenger Transport		
	Bruno Stoufflet Dassault Aviation	Nicolas Leon DSNA	Nabil Ben Nasr ONERA	Charles Hirsch NUMECA	Rob Whitehouse TEKEVER	Bruno Reynard ZODIAC AEROTECHNICS	Silvio Pappadà CETMA	Alain Aubertin CARIC	Ron van Manen Clean Sky JU	Justus Benad Technical University of Berlin		
3	The SYSTEMS Demonstration Programmes in Clean Sky and Clean Sky 2	Preventing Runway Incursion: How to Design a Safe Conflicting ATC Clearance System	A 2.3 dB Contribution to the ACARE Noise Objective	Simulation Tools for Aircraft Ditching	Immersive Semantics-Based Virtual Environments for the Design and Validation of Human-centred Aircraft Cockpits	Development of advanced modelling approaches for More-Electric Aircraft Electrical Power Systems	A Market and Operational Perspective on the Acoustic Benefits of Clean Sky Green Rotorcraft Technologies	The Canadian Efforts on the Expedient Integration of Alternative Fuels including Biofuels in Aviation	ETNA Plus - Fostering Transnational Cooperation in Transport and Promoting the Active Participation of New Actors	System Evaluation of Hybrid Laminar Flow Control for Civil Transport Aircraft		
	Gilles Poussin THALES	Bruno Rabiller Euro Control	Eugène Kors SAFRAN	James Campbell Brunel University London	Dr. Loukas Rentzos University of Patras	Serhiy Bozhko University of Nottingham	Chrissy Smith AgustaWestland UK	Wajid Ali Chishty NRC	Miriam de Angelis APRE	Samuel Everett Brunel University		
4	The ENGINE Demonstration Programmes in Clean Sky and Clean Sky 2	STAM Safety Assessment: from Design to Live Trials	Jet Noise of High Bypass Ratio Engine: Installation & Advanced Modelling	Propulsion System Integration and Optimization at the Preliminary Design Phase	Manual Operation of 4th Generation Airliners	The HEEDS Project - The Need for Harsh Environment Electronic Systems in the UK Aerospace System Pillar	Innovation in Tilt Rotor Design: through NICETRIP to NextGenCTR	National Research Council Canada - Programs and Opportunities	Helping SMEs Innovate and Grow	Noise Reduction of Synthetic Jet Actuators		
	Jean-Francois Brouckaert Clean Sky JU	Nicolas Fota Eurocontrol	Michael Bauer Airbus Group	Hany Moustapha AEROETS	Joris Field NLR	TBC Raytheon	Luca Medici AgustaWestland SpA	Stephen Parkinson NRC	Stefan Nardi-Hiebl EEN	Jonne Jeyalingam Brunel University		
5		Example of Safety Assessment - Civil Airspace Integration of RPAS in Europe								Turboelectric Distributed Propulsion Technology Framework Formulation for Conceptual Aircraft Design Integration and Technology Transfer		
		Neil Watson THALES UK								Bernard Lewis Cranfield University		
17:20	End of Day 1											
Drinks Reception at Lancaster House - Supported by Boeing												

07:30
08:30

Day 2: Wednesday, 21 October 2015											
Registrations											
Parallel	3	3A	3B	3C	3D	3E	3F	3G	3H	3I	3J
Room	Fleming	Wordsworth	Wesley	Westminster	St James's	Rutherford	Moore	Mountbatten	Abbey	Shelley	
Key Theme	Greening of Aviation	Greening of Aviation	Greening of Aviation	Competitiveness of Aviation Industry	Skills and Breakthrough	Safety and Security	Competitiveness of Aviation Industry	Research and Innovation Policy	Research and Innovation Policy	Skills and Breakthrough	
Technical	Mobility & Operations	Clean Sky	Systems & Equipment	Design Tools & Production	Breakthrough Concepts	Safety & Security	Structures & Materials	International Cooperation	Research & Innovation Policy	Outreach	
Title	Greening Air Traffic Management in Europe	CLEAN SKY Technical FORUM	Innovative Cabin and Cargo Systems	Advanced CFD-Tools and Measurement Techniques for Aircraft-Design	Novel Propulsion Systems	Enhancing Aviation System Safety	Advanced Manufacturing & Materials	International Cooperation in Aeronautics Research	SMEs in Aviation Research & Innovation	Young Researcher Competition Presentation 'Competitiveness of Aviation Industry'	
1	SESAR and the Environment Célia Rodrigues SESAR JU	Preparation of the Airbus A340-300 BLADE Natural Laminar Wing Flight Test Demonstrator Jens Koenig Airbus	Innovative Bifunctional Aircraft Window for Lighting Control to Enhance Passenger Comfort Ana Viñuales IK4-CIDETEC	Furthering High-Fidelity CFD Prediction Frank Thiele CFD Software E+F GmbH	Distributed Propulsion and Ultra-High Bypass Rotor Study at Aircraft Level Arne Seitz Bauhaus Luftfahrt e.V.	Fire Risk Assessment in the New Generation of Aircraft Jean-Michel Most CNRS	M4 - Bringing Industry 4.0 to UK Aerospace Manufacturing Keith Jackson Meggitt	Challenge of Japanese Aviation Industry and EU-Japan Cooperation/EU-Japan R&T Shusaku Kichise & Hiroyuki Hirabayashi METI/NEDO	EU Access to Finance For Innovative SME Vyganda Jankunas DG Research & Innovation	Simulation Model of Lelystad Airport to Analyse the Potential of Facilitating and Process Strategic Spill over from Schiphol Airport Nico de Bock Amsterdam University of Applied Sciences	
2	Reducing Our Environmental Footprint through PBN Initiatives Christelle Ledauphin Airbus Prosky	Structural Design of High Lift and Load Control and Alleviation Devices for a Natural Laminar Flow Wing Yves Lemmens Siemens/ LMS	Improving Access to Air Transportation for Disabled and Older People Javier Blázquez Fundacion ONCE	An Integrated Platform for Shape Optimisation Based on a High-Performance Meshless Morphing Technique Giorgio Urso National Research Council of Italy	Towards Certifiable Hybrid Powertrains for Electric Aircraft Igor Perkon Pipistrel d.o.o. Ajdovščina	Aviation Safety and Certification of New Operations and Systems Lennaert Speijker NLR	HORIZON - The Research and Development Programme on Additive Manufacturing in the UK Tim Hope GKN	EU-China Research Cooperation in Aeronautics Technologies - GRAIN 2 Gabriel Bugeda & Ying Deng CIMNE/CAE	Airlander Civil Exploitation Project Andy Barton Hybrid Air Vehicles	Developing Higher Capacity Thrust Bearings for Jet Engines Wu Xin University of Sheffield	
3	Minimising Noise at Airports Aurora Simonetti SICTA-ENAV	High-Speed Demonstration of Natural Laminar Flow Wing & Load Control for Future Regional Aircraft through Innovative Wind Tunnel Model Stephan Adden IBK	Blast Mitigation Strategies for the Aeronautic Sector Exploiting Lightweight Solutions Alessandro Bozzolo D'Appolonia S.p.A. (RINA Group)	Manipulation of Reynolds Stress for Flow Control: A Europe-China Collaborative Research Project Ning Qin University of Sheffield	Tangential Impulse Detonation Engine Ionuț Porumbel COMOTI	Proactive Systemic Safety Performance Management Nick McDonald Trinity College Dublin	Developments in the Additive Manufacture of Aero Engine Components Carl Hauser TWI Ltd	EU-Russia Cooperation in Aerospace Research Liudmila Rostovtseva The Ministry of Industry and Trade of the Russian Federation	How Augmented Reality is Enhancing Aviation Safety by Reducing Pilot Workload Ákos Maróy AEROGLASS	Development of a New DFX Methodology for Aircraft System Installation Usue Aliende Urrutia Cranfield University	
4	Impact of SESAR Solutions on Environment Laurent Cavadini Eurocontrol	Icing Research Projects in Clean Sky Markus Pfeil & Emmanuel Scolan TWT & CSEM	CS2 LPA Cabin & Cargo System Demonstrator Platform Jens Koenig Airbus	Advanced In-Flight Measurement Techniques - An Overview on Modern Optical Measurement Techniques for Flight Testing Applied within AIM and AIM² Nick Lawson Cranfield University	New Frontiers of Aeronautical Propulsion through Coanda Effect Michele Trancossi Univ. of Modena and Reggio Emilia	Future Sky Safety - or how Safety Researchers in Europe will help breaking the 10-8 barrier together Michel Piers NLR	Laser Beam Welding of 3rd Generation Al-Li-Alloys for Fuselage Applications Alexandra Karanika HAI	EU-Canada Coordinated Research in Aeronautics - CANNAPE Farzan Jamarani & Alain Aubertin Industry Canada & CARIC	AMOR - A Mile Of Runway Ronald Von Gent Meta Sensing	Business-Government Relations in the European Aerospace Industry Alessandro Stuart Di Bona Coventry University	
5	Urban Airspace Design: Relation of Airspace Capacity and Airspace Structure in Extreme Traffic Densities Jacco Hoekstra TU Delft						Nanotechnologies in Multifunctional Aerospace Parts; Potential and Results at Bombardier Paolo Balocchi Bombardier			Implementation of a Composite Production Unit Using Lean Methodology for Aerospace Aymeric Velly Cranfield University	
										Low-Cost Flight Control Systems for Unstable Subscale Research Aircraft Alejandro Sobron Linköping University	

Transfer

10:30

Parallel	Room 4	4A (large)		4B	4C	4D	4E	4F	4G	4H	4I	4J
		Fleming	Wordsworth	Westminster	Moore	St James's	Rutherford	Wesley	Mountbatten	Abbey	Shelley	
		Key Theme	Seamless and Efficient Mobility	Competitiveness of Aviation Industry	Competitiveness of Aviation Industry	Competitiveness of Aviation Industry	Skills and Breakthrough	Safety and Security	Seamless and Efficient Mobility	Skills and Breakthrough	Research and Innovation Policy	Skills and Breakthrough
		Technical	Mobility & Operations	Propulsion	Flight Physics	Structures & Materials	Breakthrough Concepts	Safety & Security	Mobility & Operations	Outreach	Research & Innovation Policy	Outreach
Title	Integrating Remotely Piloted Aircraft Systems into Civil Airspace	Key Engine Technologies	Flow Control and Drag Reduction	Advanced Aerostructures	Innovative Aircraft Configurations	Weather & Atmospheric Hazards	Small Air Transport Systems	Skills and Knowledge in Aviation	Progress towards ACARE Goals	Young Researcher Competition Presentations 'Efficient & Seamless Mobility'		
1	Overview of Activities and Results Célia Rodrigues SESAR JU	Paving the Way for Next Generation Aircraft and Engine Arvind Gangoli Rao TU Delft	High-Performance High-Lift Device Design for Laminar Wings Jochen Wild DLR	High Quality Aerospace Composite Stringers using 'State of the Art' Pultrusion Manufacturing Techniques John Hartley Exel Composites UK	Enabling Technologies for Personal Aerial Transportation Systems Heinrich Bühlhoff Max Planck Institute for Biological Cybernetics	High Altitude Ice Crystals - Improving Aircraft Operation in High Ice Water Content Environments Fabien Dezitter Airbus	Small Air Transport Roadmap Status Krzysztof Piwek Institute of Aviation, Poland	Promoting Aeronautics Innovation & Research Apostolos Chamos University of Patras	Are We Doing the Right Safety Research, and Are We Doing It Right? Barry Kirwan EUROCONTROL	Vision on the Future Airport Terminal Sebastiaan Menger Amsterdam University of Applied Sciences		
2	ATM Innovative RPAS Integration for Coastguard Applications Jan-Ploris Boer NLR	Combustor-Turbine Interaction Research Alexis Germain SAFRAN, SNECMA	Active Flow- Loads & Noise control on next generation wing (AFLoNext) – Overview and Results after 2nd project year Martin Wahlich Airbus Operations GmbH	Creating Nonconventional Laminates Daniel Peeters University of Delft	The Distributed Open-Rotor Aircraft Chris May DLR	A Step Forward in Icing Simulation & Ice Protection Technology for Aircraft Engines Morgan Balland SNECMA	Fly-By-Wire for CS23 Aircraft - Core Technology for General Aviation and RPAS Reimund Kueke Airbus DS Airborne Solutions	Roadmap for Quality in EU Aero-Engineering Curricula Franco Bernelli Politecnico di Milano	Towards Cost Efficient Design Systems and Tools, Production and Avionics in Aeronautics Fabien Marty Efficient Innovation	Development of Thermal Memory Materials for Mission Critical Components Silvia Araguas Rodriguez Imperial College		
3	RPAS ATM Integration Demonstration Edoardo Filippone CIRA	Smart Design Systems for Low NOx, Highly Efficient Aero-Engine Combustors Ruud Eggels Rolls-Royce Deutschland	Receptivity Analysis and Transition Prediction for Three-dimensional Boundary-layer Flows Ardeshr Hanifi KTH Royal Institute of Technology	Composite Fuselage One Piece Barrel: Integrated Development and Prototype Demonstration. Marta De Pascale OMI	Cycloidal Rotors Optimized for Propulsion José Páscoa University of Beira Interior	Japanese-European De-icing Aircraft Collaborative Exploration Nadine Rehfeld Fraunhofer IFAM	Affordable Turbine Engines in Small Aircraft Pavel Wolf PBS Velká Bíteš, a.s.	UK - Inspiring a Future Generation – the Key to Future Innovation Paul Broadhead Rolls-Royce	Coordinating Air Transport Time Efficiency Research Andrew Koubatis Altran	Skills and Breakthrough' Vortex Flow in a Hybrid Rocket Motor Wajahat Ahsan Kingston University		
4	Civil Airspace Integration of RPAS in Europe Mark Watson NATS	Integrated CFD-Acoustic Computation Approach to the Simulation of Open Rotors Thomas Deconinck NUMECA International	BUCOLIC - Characterization of Buffet on a Civil Aircraft Wing Doug Greenwell ARA	Structural Health Monitoring of Aircraft Structures Zahra Sharif Khodaei & Mohammad Hossein Aliabadi Imperial College	Advanced Cryogenic Tank Technologies Martin Sippel DLR	Ultra-Fast Wind for Wake Vortex Hazards Mitigation Fabrice Orlandi Thales Air Systems	Small Air Transport Initiative in Clean Sky 2 Michel Goulain Clean Sky JU	Canada - Aerospace Training Collaboration in Montreal to Address Future Skills Needs Hany Moustapha AEROETS	FORUM-AE - Main Results on Aviation Emissions Environmental Issues Olivier Penanhoat SNECMA	Experimental Investigation of Flow Around an Aerofoil with an Undulating Leading Edge Jose Pellicer Collado City University London		
										Effectiveness of Vortex Generators in Highly 3D Flows Harcharan Mudhar City University London		
										How will Novel Fuels and Materials Impact Microbial Contamination in Aircraft Fuel Systems? Alexander McFarlane University of Sheffield		

12:10 Plenary 2

Clear for Take-off
Chair: Simon Hocquard, Director of Operations, Strategy (NATS) and Chair of the Europe-wide Network Management Board

13:00 Lunch

14:00 Plenary 3

Skills for Skies
Chair: Sir Peter Gregson, Cranfield University

14:50 Coffee Break

15:20

Parallel	Room 5	5A (large)		5B	5C	5D	5E	5F	5G	5H	5I
		Fleming	St James's	Westminster	Moore	Mountbatten	Rutherford	Wesley	Wordsworth	Abbey	
		Key Theme	Safety and Security	Competitiveness of Aviation Industry	Competitiveness of Aviation Industry	Competitiveness of Aviation Industry	Skills and Breakthrough	Greening of Aviation	Seamless and Efficient Mobility	Research and Innovation Policy	Research and Innovation Policy
		Technical	Standards & Regulations	Propulsion	Flight Physics	Structures & Materials	Breakthrough Concepts	Maintenance, Disposal & Recycling	Mobility & Operations	Research & Innovation Policy	Research & Innovation Policy
Title	EASA Forum	Engine Systems and Integration	Enhanced Aerodynamics	Morphing Structures	Air Transport System of the Future	Innovative Maintenance and Repair incl. Recycling	Addressing the Future Challenges of Airports	International Forum for Aviation Research	Aviation RTD Initiatives in the EU Member States (II)		
1	EASA Research Strategy Luc Tytgat EASA	Analysis Models for Polymer Composite Pedro Camanho University of Porto	A Pioneering Project on Novel and Morphing Aircraft Greening Solutions Afzal Suleman University of Victoria	Development of a Morphing Prototype Wing Combining Different Morphing Mechanisms Rob Whitehouse TEKEVER	A Magnetic Levitation Technology to Assist the Aircraft Take-off and Landing Processes Jozsef Rohacs REA-TECH Ltd	Global In-Flight Structures Health Monitoring of Composite Aerostructures Based on Vibration Analysis Mihalis Kazilas TWI Ltd	The Airport of 2050+ Pim van Leeuwen NLR	The International Forum for Aviation Research – An Overview of the IFAR Activities Michel Peters NLR	Sweden's National Strategic Innovation Program for Aeronautics Ebba Lindegren VINNOVA		
2	Agency's Needs and Research Priorities Emmanuel Isambert/Werner Klein-Beek EASA	Advanced Instrumentation for Gas Turbines Mark Langley Meggitt UK	Non-intrusive Optical Pressure and Loads Extraction for Aerodynamic Analysis Bas van Oudheusden TU Delft	Application of Macro Fibre Composite Patches for Manufacturing a Self Deforming Thin Walled Beam Vincenzo Binante University of Pisa	Operations on a Circular Runway Henk Hesselink NLR	Cold Spraying as a New Approach to Maintenance in Aeronautics Mario Guagliano Politecnico Di Milano	Innovative Tools and Advanced Procedures to solve Today's Turnaround Inefficiencies Rubén Martínez Advanced Logistics Group	Future oriented ATM Research - Report of the IFAR Working Group Dirk Kügler DLR	The UK's National Aerospace Strategy Simon Weeks UK ATI		
3	EASA's Role in Horizon 2020 Keir Fitch European Commission	CS - Composite Fan Blades for Large Turbofan Engines: Verifying and Manufacturing the Future Justin Dalton Rolls-Royce	Transition Location Effect on Shock Wave Boundary Layer Interaction Piotr Doerffer IMP PAN Gdansk	Smart Intelligent Aircraft Structures Piet Woelcken Airbus Operations GmbH	A Carrier-pod Aircraft Configuration for the Air Transport System beyond 2050 Vassilis Kostopoulos University of Patras	Quantitative Inspection of Complex Composite Aeronautic Parts Using Advanced X-ray Techniques Christoph Heinzl University of Applied Sciences (AT)	Enhancing Intermodality at European Airports Jean-François Perelgritz Airbus Group Innovations	Alternative fuel effects on contrail formation - Results of the DLR Falcon measurements during ACCESS-II Tina Jurkat DLR	ACARE-Italy and the New National Aeronautics Strategy Marco Protti Alenia Aermacchi		
4	Big Data Project Rachel Daeschler EASA	Design of Experiments to OPTIMIZE Design Solutions for a Power Reduction Gearbox Jose Amores Clean Sky	BUTERFLY project: A European-Russian cooperation for improved flight performances Philippe Reijasse ONERA	An Investigation of Shape Memory Alloys, as Actuating Elements, in Aerospace Morphing Applications Dimitrios Karagiannis INASCO Hellas	Revolutionizing Air Travel by Creating a Cruiser Enabled Air Transport Environment Huib Timmermans NLR	Sustainability in Aviation – The ENDAMI Eco Design Tool Robert Ilg Fraunhofer	Optimised departure from airports using the multi criteria departures procedure Keith Bushell Airbus OL	Experiences of EU-Russia Research Cooperation Based on the Joint Engine Noise Project ORINOCO Victor Kopiev Central Aerohydrodynamic Institute	INNOLOT - The National Research Activities of Poland in Aeronautics Jacek Rokicki Warsaw University of Technology		
5						Aircraft Metals Recycling: Process, Challenges and Opportunities Torsten Müller Clean Sky					

Transfer

17:00 Plenary

15 Years of ACARE: European Aviation - A Strategic Approach to the Challenges
Chair: Rudolf Strohmeier, Deputy Director General, DG Research & Innovation, European Commission

18:00 End of Day 2

Networking Dinner at Science Museum - Sponsored by Airbus Group

Day 3: Thursday, 22 October 2015

08:00	Registrations										
09:00	Parallel	6	6A (large)	6B	6C	6D	6E	6F	6G	6H	6I
	Room		Fleming	St James's	Rutherford	Westminster	Abbey	Moore	Wesley	Mountbatten	Wordsworth
	Key Theme		<i>Seamless and Efficient Mobility</i>	<i>Competitiveness of Aviation Industry</i>	<i>Safety and Security</i>	<i>Competitiveness of Aviation Industry</i>	<i>Skills and Breakthrough</i>	<i>Greening of Aviation</i>	<i>Seamless and Efficient Mobility</i>	<i>Safety and Security</i>	<i>Skills and Breakthrough</i>
	Technical		SESAR	Propulsion	Safety & Security	Structures & Materials	Breakthrough Concepts	Maintenance, Disposal & Recycling	Mobility & Operations	Safety & Security	Outreach
	Title		SESAR: High Performing Avitation for Europe	Innovative Engine Architectures	The Safety Issues of Wake Vortex in Aviation	Innovative Aerostructures - from Concept to Manufacturing	Breakthrough Hi-Speed Aircraft Configurations	Innovative Maintenance and Repair incl. Recycling	Remotely Piloted Aircraft Systems	Enhancing Security incl. Cyber-Security in Aviation	Young Researcher Competition Award Presentations
	1		Partnering for Smarter Aviation Florian Guillermet SESAR JU	Ultra-High Pressure-Ratio Aero-Engines Ralf von der Bank Rolls-Royce Deutschland	WakeNet Europe - European Coordination Activities for Aircraft Wake Turbulence Carsten Schwarz DLR	Innovation for More Affordable Aircraft Structures Ralf Herrmann Airbus Operations GmbH	Paving the Way towards High Speed Transport Emmanuel Blanvillain Airbus Group Innovations	A Life-Cycle Autonomous Modular System for Aircraft Material State Evaluation and Restoring System Michele Meo University of Bath	Autonomous Systems Technology Related Airborne Evaluation & Assessment TBC	Challenges in aviation security - prioritisation of future research Julia Weissbrodt Fraunhofer EMI	Presentation by Undergraduate Runner up
	2		Why SESAR? Olivia Nunez SESAR JU	E-BREAK : Advanced aero-engines technology enablers Manuel Silva TURBOMECA	WakeNet-USA - Tackling the Wake Vortex Issues in Aviation Jeff Tittsworth FAA & DOT Volpe Center	Low Cost Manufacturing and Assembly of Composite and Hybrid Structures Magnus Engström Saab AB, Aerostructures	Evolutionary Technology Developments towards an International Flight Platform for High-Speed Transportation Johan Steelant ESA-ESTEC	Novel Self-Healing Composites For Aircraft Structural Components Vassilis Kostopoulos Univ. Patras	Progress in Sense and Avoid for UAVs and related technologies Iraj Mantegh NRC	Implementation of the Risk Assessment in the Cargo Aviation Security Chain Javier Losada & Mark McCarthy IDOM & Rapiscan	Presentation by Undergraduate Winner
	3		Researching and Developing SESAR Solutions David Bowen SESAR JU	Ultra-High Bypass Ratio Aero-Engines - Research Achievements Edgar Merkl MTU Aero Engines AG	RECAT - Innovative Concepts for Increased Capacity and Ensuring Safety Bob Graham Eurocontrol	Boltless Assembling of Primary Aerospace Composite Structures Jan Halm NLR	An International Experimental Flight Platform for High-Speed Transportation Johan Steelant & Vadim Talyzin ESA-ESTEC & TsAGI (Russia)	Improving the Aircraft Safety by Self Healing Structure and Protecting Nanofillers Liberata Guadagno Salerno University	Dawning of the Drones John Hanslip Marsh	EASA's Activities on Cyber Security Emmanuel Isambert EASA	
	4		What's Next for SESAR? David Bowen SESAR JU	Next Generation Ultrahigh Bypass Large Civil Turbofan: Technology Integration Challenge Alan Newby Rolls-Royce	Time Based Separation - A New System for Separating Arriving Aircraft at Heathrow Airport Claire Pugh NATS	Automating Aircraft Assemblies with Tight Tolerances Miguel Angel Castillo Aernova	Hypersonic Morphing of a Cabin Escape System Davide Bonetti DEIMOS SPACE S.L.U.	Additive Manufacturing for Future Repair and Maintenance for the Aerospace Industry Rainer Koch University of Paderborn	A View on Light Remotely Piloted Aircraft Systems Daniel Cobo-Vuilleumier INDRA	XP-DITE: Towards a system-level approach to security checkpoints Mike Kemp Iconal Technology Ltd	
10:30	Coffee Break										
11:00	Plenary 4 & Closing										
	Aviation of Tomorrow - Connecting the World Chair: Stephanie McGovern, British Business Broadcaster										
	Keynote Speeches - Aviation Keynotes Moderator: Stephanie McGovern, British Business Broadcaster										
	Conference Closing Messages Moderator: Stephanie McGovern, British Business Broadcaster										
13:30	Lunch										
14:30	End of Day 3										
	VIP Exhibition Tour										
	END OF CONFERENCE / CLOSING OF EXHIBITION										