

Greener by Design Conference**Aviation and the Environment: Where are we Going?**

Tuesday 7th October 2008 - PROGRAMME

08.30 *Registration / Tea & Coffee*

09.00

Welcome & Opening RemarksKeith Mans, Chief Executive, Royal Aeronautical Society
David Rowlands, President, Royal Aeronautical Society

09.05

Keynote Address

Lord Adair Turner, Chair of the Committee on Climate Change

09.25 (1)

Setting the Scene: Sustainable Aviation

Roger Wiltshire, Secretary General, British Air Transport Association

09.45

SESSION 1: NON-CO₂

Chairman: Dr John Green, Consultant Chief Scientist, Aircraft Research Association Limited

09.50 (2)

When can we expect the science to be sufficiently robust to provide an acceptable basis for regulation? – contrail / cirrus

Dr Hermann Mannstein, Scientist, German Aerospace Centre (DLR)

10.10 (3)

Climate Effects of NO_x Emissions: How robust is our understanding?

Prof Keith Shine, Department of Meteorology, University of Reading

10.30 (4)

When can we expect to have the technology in place to enable the industry to accommodate regulatory action? – contrail / cirrus

Andrew Watt, Environment Domain Manager, EUROCONTROL

10.50 (5)

The Journey Towards Lower NO_x Emissions

John Moran, Corporate Specialist – Combustion, Rolls-Royce plc

11.10

Discussion

11.25

*Coffee Networking Break***SESSION 2: TECHNOLOGIES FOR THE NEXT MAJOR AIRCRAFT**

Chairman: Prof Jeff Jupp, Aerospace Consultant, Visiting Professor, Bath University

11.55 (6)

DREAM Programme

Dr Mark Taylor, Senior Project Engineer, Rolls-Royce plc

12.15 (7)

NACRE Pro-active Green Aircraft

Kevin Nicholls, NACRE Work-package Leader for Novel Lifting Systems, Airbus UK

SESSION 3: SOME RADICAL OPERATIONAL STEPS

Chairman: Prof Jeff Jupp, Aerospace Consultant, Visiting Professor, Bath University

12.35 (8)

Aviation Noise: Can we make it Insignificant?

Geoff Maynard, Director, Vector Management Ltd

12.55 (9)

Air to Air Refuelling in Civil Aviation

Dr Raj Nangia, Consultant, Nangia Aero Research Associates

13.15

Questions

13.25

*Networking Lunch sponsored by***BERR**Department for Business
Enterprise & Regulatory Reform

14.25

SESSION 4: BIOFUELS: WHEN WILL THEY BE USED IN SERIOUS QUANTITIES IN AVIATION?

Chairman: Robert Whitfield, Greener by Design Committee, Envirostrat

14.30 (10)

Seawater Agriculture: A Source of Sustainable Biofuels

Carl Hodges, Chairman, Global Seawater Inc

14.50 (11)

Process Technology for Biojet Production

Graham Ellis, Business Manager for Renewable Energy & Chemicals, UOP Limited

15.10 (12)

Engine Manufacturer's View

Chris Lewis, Company Specialist Fuels, Lubricants, Associated Technologies, Rolls-Royce plc

15.30 (13)

A Change is in the Air: Sustainable Fuels for Aviation

Sian Foster, Corporate Sustainability & Responsibility Manager, Virgin Atlantic Airways Ltd

15.50

Discussion and Questions

16.05

*Tea Networking Break***SESSION 5: MARKET BASED OPTIONS**

Chairman: Hugh Somerville, Visiting Professor, Surrey University

16.35 (14)

Aviation and the EUETS

Alexandre Marty, European Head of Climate Change Services, ICF International

16.55 (15)

Aviation and Climate Change – Is enough being done?

John Vidal, Environment Editor, The Guardian

17.10

Question panel

17.25

Chairman's Closing Remarks

17.30

Conference Closes*Programme is subject to changes*

