



German Aviation Research Society

"Aviation and the Environment"

**Workshop at the DLR, Cologne
Lecture Hall, Casino Building**

28th and 29th November 2007

PROGRAM

Wednesday, November, 28th, 2007	
1:00 p.m.	Welcome address by Ralf Berghof, Deputy Head of the Air Transport and Airport Research Unit, DLR Cologne
1:15 p.m. to 2:45 p.m. Session I Chair: Hans-Martin Niemeier, University of Applied Sciences, Bremen	Keynote on Technological Challenges Rolf Henke, RWTH Aachen and Member of the Board of DGLR
	Aircraft Noise Effects on Sleep – DLR Research and Application Uwe Müller, DLR Cologne, Institute of Aerospace Medicine
	Spatial impact of airports in Germany – strategies towards a sustainable planning in airport regions Stephan Zaß, DLR Cologne, Air Transport and Airport Research
2:45 p.m. to 3:15 p.m.	Coffee Break
3:15 p.m. to 4:45 p.m. Session II Chair: Stephan Zaß, DLR Cologne	Airport Noise Abatement as an International Coordination Problem – The Case of Zurich Airport Andreas Arndt, European Center for Aviation Development, Darmstadt/ Andreas Knorr, German University of Administrative Sciences, Speyer/ Barbara Lueg, Institute Labour and Economy, Bremen Discussant: Hansjochen Ehmer, International University of Applied Sciences, Bad Honnef and DLR Cologne
	Cargo handling at Cologne Airport – is nighttime operation a must? Karsten Leibold, International University of Applied Sciences, Bad Honnef
4:45 p.m. to 5:00 p.m.	Coffee Break
5:00 p.m. to 6:30 p.m. Session III Chair: Axel Claßen, DLR Cologne	Noise around airports Hugo Gordijn and Willemieke Hornis, Netherlands Institute For Spatial Policy Research Discussant: Andreas Arndt, European Center for Aviation Development
	Benchmarking of Environmental Reports in the Aviation Industry Hansjochen Ehmer, International University of Applied Sciences, Bad Honnef and DLR Cologne
8:00 p.m.	Evening event: Dinner at traditional Brewery Weißbräu, Am Weidenbach 24, 50676 Cologne Directions: The "Weißbräu" is located close to tram station Barbarossaplatz, which can be reached by lines 6, 12, 15, 16, 18 and 19.

Thursday, November 29th, 2007	
9:00 a.m. to 10:30 a.m. Session IV Chair: Hansjochen Ehmer, International University of Applied Sciences, Bad Honnef & DLR, Cologne	Keynote: Climate Impacts of Aviation Robert Sausen, DLR Institute for Physics of the Atmosphere, Oberpfaffenhofen
	How to fly without kerosene T. Hahn, S. Hittel, R. Klophaus, J. Mertens, M. Ziegler, University of Applied Sciences Trier-Birkenfeld Discussant: Wolfgang Grimme, DLR Cologne
	Are energy efficiency strategies in Air Transport a matter of social contestability? Francois Metrot, CEMI-EHESS, Centre for Industrialisation Modes Studies, Paris
10:30 a.m. to 11:00 a.m.	Coffee Break
11:00 a.m. to 12:30 p.m. Session V Chair: Wolfgang Grimme, DLR Cologne	Keynote: Climate Change, EU-ETS and Aviation Werner Rothengatter, University of Karlsruhe
	Climate Change Policies and Impacts on Air Fares Peter Forsyth, Monash University, Melbourne and David Gillen, University of British Columbia, Vancouver
	The potential for European aviation CO ₂ emissions reduction through the replacement of small regional jet aircraft Peter Morrell, Cranfield University Discussant: Peter Forsyth, Monash University, Melbourne
12:30 p.m. to 1:30 p.m.	Lunch Break
1:30 p.m. to 3:00 p.m. Session VI Chair: Andreas Wittmer, University of St. Gallen	Voluntary Carbon Offsets in the Airline Industry – A Critical Assessment Andreas Knorr, German University of Administrative Sciences, Speyer/ Andreas Eisenkopf, Zeppelin University, Friedrichshafen Discussant: Joe Kelly, InterVISTAS Consulting Inc., Vancouver
	Consumer Attitudes toward Carbon Offsetting Joe Kelly, InterVISTAS Consulting Inc., Vancouver Peter W. Williams / Wolfgang Haider, Simon Fraser University, Burnaby Discussant: Peter Forsyth, Monash University, Melbourne
3:00 p.m. to 3:30 p.m.	Coffee Break
3:30 p.m. to 5:45 p.m. Session VII Chair: Hans-Martin Niemeier, University of Applied Sciences, Bremen	Climate Change Policies, Long Haul Aviation and Tourism Peter Forsyth, Monash University, Melbourne Discussant: Andreas Wittmer, University of St. Gallen
	Single European Sky and its impacts on CO ₂ emissions Aaron Scholz et al., University of Karlsruhe
	Round table discussion Environmental challenges in aviation – Where do we stand and what are the future challenges?
5:45 p.m.	End
7:00 p.m.	Evening event: Dinner at traditional Cologne Brewery Paffgen, which is located at Friesenstr. 64-66 Directions: From Main Station either take S12 or S13 to Hansaring, from there tram lines to Friesenplatz.

Supported by Lufthansa and DLR

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A list of recommended accommodations with discounts available to workshop participants can be requested from Wolfgang.Grimme@dlr.de