



Airneth Annual Conference, 11 – 13 April, The Hague “Optimal Use of Scarce Airport Capacity”

Crown Plaza Hotel Promenade, The Hague

In co-operation with the German Aviation Research Society (GARS)



Wednesday 11 April 2007

5.00-7.00 p.m. **Reception and early registration at Crown Plaza Hotel, The Hague**

Thursday 12 April 2007

Chair: Prof. Marc Gaudry, *Université de Montréal et Institut National de Recherche sur les Transports et leur Sécurité (INRETS), Canada*

8.30 a.m. **Registration**

Opening

9.30 a.m. Opening by the Director of Airneth
Jaap de Wit, Airneth

Welcome by Chairman
Marc Gaudry

Opening address by the Netherlands Minister of Transport, Public Works and Water Management
Camiel Eurlings

Plenary session I Setting the scene

10.00 a.m. The gap between demand and supply of airport capacity in Europe
Eric Miart, Airport Operations Programme Manager, Eurocontrol, Brussels, Belgium (25 min.)

Slot selectivity measures and the international aviation system
John Balfour, Beaumont & Son Aviation/ Clyde & Co, London, UK (25 min.)

10.50 a.m. Questions & Answers

11.05 a.m. **Coffee Break – Demonstration by Geluidsnet.nl & National Aerospace Laboratory NLR**



Plenary session II

11.35 a.m.

Solutions for capacity constraints

Demand management

David Gillen, University of British Columbia, Canada (25 min.)

Multi-airport systems

Richard de Neufville, MIT, Boston, USA (25 min.)

Secondary slot trading

Laurie Price, Mott MacDonald, London, UK (25 min.)

12.50 p.m.

Questions & Answers

1.05 p.m.

Lunch

Parallel session (A,B,C,D)

2.30 p.m.

A: Airside selectivity

Chair: *Eric Pels, Free University, Amsterdam, The Netherlands*

Air cargo, mainport policy and selectivity: the case of Amsterdam Airport Schiphol

Enno Osinga, Senior Vice President Cargo, Amsterdam Airport Schiphol, The Netherlands (20 min.)

The value of low-cost operators to airports

Nigel Dennis, Head of the Air Transport Unit, UK (20 min.)

The significance of Schiphol for the Netherlands

Jan Veldhuis, Amsterdam Aviation Economics, Amsterdam, The Netherlands (20 min.)

Questions & Answers

B: Demand management

Chair: *David Gillen, University of British Columbia, Canada*

The potential impact of slot trading at European hubs

Jaap de Wit, Airneth, The Netherlands (20 min.)

Optimising airport airside capacity with intelligent software. The case of Zürich

Andreas Gammel, Zurich, Switzerland (20 min.)

Potential for medium-term growth at Schiphol airport – An assessment of alternative policy measures

Eric Kroes, Significance, Leiden, The Netherlands (20 min.)

Questions & Answers



C: Multi-airport systems

Chair: *Richard de Neufville, MIT, Boston, USA*

The planning of secondary airports in the era of low-cost airlines: the case of Frankfurt Hahn

Paul Beck, NACO, The Netherlands (25 min.)

Airport systems in Europe

Jordi Candela, A-Ports, Barcelona, Spain (25 min.)

Questions & Answers

D: Competing demands in the airport region

Chair: **Marc Gaudry**

Air-rail integration

Moshe Givoni, Free University, Amsterdam, The Netherlands (25 min.)

Airports as city-ports in the city-region

Michel van Wijk, SADC, Schiphol, The Netherlands (25 min.)

Questions & Answers

4.00 p.m.

Coffee break – Demonstration by Geluidsnet.nl & National Aerospace Laboratory NLR

Plenary session III

Round table discussion & closing

4.30 p.m.

Panel discussion : How much overall airport capacity?

Chair: *Prof. Marc Gaudry, Université de Montréal et Institut National de Recherche sur les Transports et leur Sécurité (INRETS), Canada*

Panel:

Jeroen Fukken, DGTL, Netherlands Ministry of Transport

Pablo Mendes de Leon, Institute of International Air & Space Law, University of Leiden

Athar Husain Khan, Association of European Airlines

Michiel van der Zee, Slot Coordination Netherlands

Michael Ball, University of Maryland

5.30 p.m.

Closing speech by President & CEO of KLM

Peter Hartman

5.50 p.m.

Closing of the day

Prof. Marc Gaudry, Université de Montréal et Institut National de Recherche sur les Transports et leur Sécurité (INRETS), Canada

6.00 p.m.

Drinks



Friday 13 April 2007: Airneth/GARS Research Workshop

- 9.00 a.m. **Reception**
- 9.30 a.m. **Opening/ Welcome address**
Jaap de Wit, Airneth
Hans-Martin Niemeier, German Aviation Research Society
- 10.00 am. **Plenary session 1**
Chair: *Jaap de Wit (Airneth)*
- Airport reform in Europe
Peter Forsyth (Monash University), Hans-Martin Niemeier (GARS) and David Gillen (University of British Columbia) (20 min.)
- The connectivity of Brussels, Amsterdam and Paris in light of the Air France/KLM merger and multimodal developments: towards a single regional airport system?
Ben Derudder, Frank Witlox and Lomme Devriendt (University of Ghent) (20 min.)
(Discussant: Richard de Neufville, MIT, Cambridge)
- 11.00 a.m. **Coffee break**
- 11.30 a.m. **Parallel session 1 (A, B)**
- Parallel session 1A**
Chair: Wolfgang Grimme
- Efficient use of Capacity – The Airlines' Perspective
Jörg Bauer (Lufthansa) (25 min.)
(Discussant: Eric Pels, Free University of Amsterdam)
- Market-Based Alternatives for Managing Congestion at New York's LaGuardia Airport
Michael Ball (University of Maryland), Frank Berardino (GRA, Inc.), George Donohue (George Mason University), Mark Hansen (University of California, Berkeley) and Karla Hoffman (George Mason University) (25 min.)
(Discussant: Jaap de Wit, Airneth)
- Parallel session 1B**
Chair: Guillaume Burghouwt



A CDM standard to guide implementation in Europe
Henk Hesselink (NLR), Jean-Louis Raoul (NeoMetSys) and David Bowen (EUROCAE) (20 min.)
(Discussant: Ton Staassen, National Aerospace Laboratory NLR)

Support of the determination of the declared capacity by the use of Airside Simulation for runway capacity analysis
Stefan Theiss (RWTH Aachen) (20 min.)
(Discussant: Linda Heemskerck, CORE)

Non-stationary delay analysis of runway systems
Raik Stolletz (University of Hannover) (20 min.)
(Discussant: Milan Janic, TU Delft)

1.00 p.m.

Lunch break

2.00 p.m.

Parallel session 2 (A,B)

Parallel session 2A

Chair: Guillaume Burghouwt

Low-cost airlines and airport competition
Eric Pels (Free University Amsterdam) (20 min.)
(Discussant: Jaap de Wit, Airneth)

Methodology of the airport competition and Catchment Area Model (ACCM)
Marco Kouwenhoven (Significance), Jan Veldhuis (SEO Economic Research) and Eric Kroes (Significance) (20 min.)
(Discussant: Paul Besseling, Netherlands Bureau for Economic Policy Analysis)

Distribution rules for multi-airport systems using Netscan
Guillaume Burghouwt and Jaap de Wit (Airneth) (20 min.)
(Discussant: Frank Witlox, University of Ghent)

Parallel session 2B

Chair: Wolfgang Grimme

Study on the usage of declared capacity at major German airports
Daniel Kösters (RWTH Aachen) (20 min.)
(Discussant: TBA)

Planning airports and the global-local paradox
Bart de Jong (Utrecht University/Schiphol Group) and Michael Droß (Technical University Munchen) (20 min.)
(Discussant: Ben Derudder, University of Ghent)

Overcoming airport capacity environmental tensions at Barcelona airport and future airport development strategies



Pere Suau Sanchez and Montserrat Pallares-Barbera (Universitat Autònoma de Barcelona) (20 min.)

(Discussant: Wolfgang Grimme, DLR)

3.30 p.m.

Coffee break

4.00 p.m.

Plenary session 2

Chair: *Jaap de Wit (Airneth)*

Optimal use of Dublin airport's capacity

Bridin O'Leary, Thea Bainger and Ian Alexander (Commission for Aviation Regulation Ireland) (20 min.)

(Discussant: Hans-Martin Niemeier, University of Applied Science, Bremen)

A welfare economic approach to noise standards

Mark Lijesen (Kennisinstituut voor Mobiliteitsbeleid) (20 min.)

(Discussant: Hugo Gordijn, The Netherlands Institute for Spatial Research RPB)

Choice of aircraft size - explanations and implications

Moshe Givoni (Free University Amsterdam) (20 min.)

(Discussant: Peter Uittenbogaart, Kennisinstituut voor Mobiliteitsbeleid)

5.30 p.m.

Closing

5.35-6.30 p.m.

Drinks