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VENUE

ETH ZÜRICH, Bundesratszimmer, CLA J1 - J5
Tannenstrasse 3, CH – 8092 Zurich

PARTICIPANTS

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Ms. MANGALA LONKAR
The Boeing Company
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ICAO (International Civil Aviation Organization)
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INTERNATIONAL SYMPOSIUM ON AIRPORT DEVELOPMENT AND SPATIAL DEVELOPMENT

23 -24 March 2011, ETH Zurich, Switzerland

IRL – Institute for Spatial
and Landscape Planning
Spatial Development

ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

«APPLYING AIRCRAFT NOISE REDUCTION – TECHNOLOGIES AT ITS SOURCE: A CONTRIBUTION FOR LONG-TERM SUSTAINABLE AIRPORT DEVELOPMENT AND SPATIAL PLANNING IN EUROPE?»

Over the last few decades, the environmental impact of aircraft operation, particularly aircraft noise, has been a major issue in airport and spatial development in European regions, especially where airports are located in densely populated areas. This has led to long-term conflicts between airport authorities and the surrounding communities. Zurich Airport is one example.

Knowing that airports are key infrastructure elements in metropolitan regions, a need for an integrated solution for future spatial and airport development becomes more and more important and could be a very challenging task for spatial planning and actors in this field.

Current improvements in aviation technology for mitigating aircraft noise at its source focus on changes in engines and the aircraft itself and optimising take-off and landing procedures. Obviously, looking into these improvements could open a long-term perspective for a better integration between airports and their surrounding regions.

THE 2011 SYMPOSIUM IS DIVIDED INTO THREE SESSIONS:

- | | |
|------------|---|
| Session 1: | Progress in technological developments |
| Session 2: | Applying the technology |
| Session 3: | Long-term airport development and spatial development |

The following key questions should be discussed during the symposium:

- Why develop thinking on aircraft noise reduction at its source?
- What kinds of technology are available for reducing aircraft noise at its source?
- Which and when of these technologies can be applied and what are their advantages for airport development and spatial planning?
- Who should be involved?

PROGRAMME

DAY ONE | 23 MARCH 2011

09:00 Welcome & Opening Address

PROF. DR. BERND SCHOLL

Swiss Federal Institute of Technology (ETH Zurich)

SESSION I:

PROGRESS IN TECHNOLOGICAL DEVELOPMENT

09:20 **Impulse Statement:**

EURESEARCH on: a Vision for 2020 - ACARE

MR. JULIAN RANDALL

Berne | SUI

09:40 German Aerospace Center (DLR)

PROF. VOLKER GOLLNICK

Hamburg | GER

10:00 Pratt&Whitney

MR. LARRY GRAY

Connecticut | USA

10:20 Coffee break

10:50 The Boeing Company

MS. MANGALA LONKAR

Seattle | USA

11:10 Discussions

12:30 Lunch break

SESSION II:

APPLYING THE TECHNOLOGIES (EXPERIENCES FROM PRAXIS)

14:00 **Impulse Statement:**

ICAO (International Civil Aviation Organization)

MR. LÉON A. VONLANTHEN

Paris | FRA

14:20 SWISS (Swiss International Air Lines)

CAPT. HARRY BÄNNINGER

Zurich | SUI

14:40 Flughafen Zürich AG (Environmental Division)

MR. MARTIN BISSEGER

Zurich | SUI

15:00 Coffee break

15:15 SKYGUIDE (Swiss Air Navigation Services)

MR. HEINZ WIPF

Dübendorf | SUI

15:35 École Polytechnique Fédérale de Lausanne (EPFL)

DR. HERVÉ LISSEK

Lausanne | SUI

16:00 Swiss Federal Institute of Technology (ETH Zurich)

DR. MARK BRINK

Zurich | SUI

16:20 Discussions and day one concludes

17:30 End of day 1

19:00 Symposium dinner

DAY TWO | 24 MARCH 2011

09:00 Summary of Day One

SESSION III:

LONG-TERM AIRPORT DEVELOPMENT AND SPATIAL PLANNING

09:15 **Impulse Statement**

Federal Office for Spatial Development (ARE)

MR. MICHEL MATTHEY

Berne | SUI

09:35 Flughafen Zurich AG (Master Planning Division)

MR. THOMAS MÜLLER

Zurich | SUI

10:00 Canton Zurich, Office of Spatial Development

MS. SALOME OBRIST

Zurich | SUI

10:20 Coffee break

10:45 ETH Zurich, Institute for Spatial and Landscape Planning

«Long-term sustainable airport development and spatial planning in Europe»

YOSE KADRIN

Zurich | SUI

11:15 Discussion

12:30 Summary of Day Two | General summary

13:30 Symposium ends & farewell reception