

MANAGING AVIATION NOISE IMPACTS MAPPING FUTURE RESEARCH PRIORITIES

Iasi, Romania
5-6th May 2015

Day 1

8.00-9.00 **Registration**

9.00-10.00 **Welcome Speeches** (Chair: Delia Dimitriu)

- Marius Bodea, CEO, Iasi International Airport
- Nicolae Seghedin, Vice-Rector, Gheorghe Asachi University
- Valentin Silivestru, Director General, COMOTI
- Beatrice Paduroiu, Director European & Intl Programmes, Ministry of Education and Research

10.00-10.15 **Coffee Break**

10.15-11.30 **Introduction Session** (Chair: Delia Dimitriu)

- Mariana Voicu, Romanian CAA, ANCAT Member
- Outcome of 2015 ICAO Impacts Workshop – Uwe Mueller (DLR)
- The EREA Future Sky Initiative - Catalin Nae, Director General, INCAS
- Report on ACARE Noise Research Workshop & Following steps - Dominique Collin (Snecma) & Laurent Lylekian (Onera)

11.30-12.30 **Session 1: Stakeholders Interests and Engagement in Research**
(Chair: Dominique Collin)

- Views from the Airports - Richard Norman, Heathrow airport
- Views from the Airlines / Adrian Preda, TAROM
- Views from the communities - Jeff Gazard (AEF)
- Roundtable with research actors

12.30-13.30 **Lunch & Networking**

13.30 - 14.30 **Session 2: Good Practice in Community Engagement & Information Provision** (Chair: Uwe Mueller)

- Negotiating community contracts –Christian Roehrer (Vienna Airport)
- The role of the ‘noise envelope’ concept in negotiating long-term noise protection assurances with local stakeholders – Paul Hooper (MMU)
- The Challenge of delivering new runway capacity in the UK - Callum Thomas (MMU)

14.30-15.00 **Coffee Break**

15.00-15.45 **Session 2** (continued)

- The use of dis-aggregated noise information to increase awareness of the impact of airport operations and to empower communities to influence noise management decisions – Ian Flindell (Consultant)
- Combining visualisation and auralisation techniques to improve the communication of noise impact: High Speed 2 Railway planning experiences from the UK - Will Martin (Arup Engineering Consultants)

15.45 -16.30 **Q&A and Discussion**

16.30 **End of First Day**

19.00-22.00 **Dinner – organized by Iasi Airport**

Day 2

9.00-10.40 Session 3: Scope of national and EU research efforts on noise impacts - Current state of knowledge on the human response to aircraft
(Chair: Laurent Leylekian)

- Overview of Research Efforts in Europe - Uwe Mueller (DLR)
- Past efforts on Sleep Disturbance Research - Ken Hume (MMU)
- Temporal trends in aircraft noise annoyance - Truls Gjestland (SINTEF)
- Report on Project HARMONICA - Carlos Ribeiro (Bruitparif)
- Report on Project PARASOFT - Laurent Leylekian (Onera)

10.40 -11.10 Coffee Break

11.10-12.30 Session 3 (Continued)

- Noise effects at Frankfurt Airport – Dirk Screckenberg (Zeus); WebEx
- Factors influencing railway noise annoyance – Dirk Screckenberg (Zeus); WebEx
- Approach to traffic noise via case studies in Romania – Stefan Romanovschi (Ministry of Transport, Romania)
- Report on Project Sustainable Aviation- UK - Antonio Torija-Martinez (University of Southampton)

12.30-13.30 Lunch & Networking

13.30- 14.50 Session 4: Solutions associated with Airport Planning and Operations
(Chair: Delia Dimitriu)

- Airport 2050 Project – Dick Bergmans (NLR)
- Advanced approach procedure for noise abatement - using steep and curved flight segments to reduce noise impact - Bernd Korn (DLR)
- 4D Trajectory Based Noise Alleviation - Octavian Thor Pleter (University *Politehnica* Bucharest)
- Long-term Future Aviation and Noise Management, Wolfgang Schuster (Imperial College)

14.50-15.20 Coffee Break

15.20- 16.30 Plenary & Discussion

Capture the core messages from the preceding sessions in order to consolidate research priorities for the management of aircraft noise impact, including recommendations for the development of a European Knowledge Base

16.30 Workshop closing statement - Christiane Bruynooghe (EC - DG R&I)