

‘Air Traffic Management and spatial planning interdependencies’

*A pilot workshop developed
by Airport Regions Conference, ARC
in association with NLR and Eurocontrol*

Amsterdam, 15 April 2010

The interdependency between Air Traffic Management, ATM, and land use development is an important element in airport region spatial planning. ATM is directly linked to aircraft noise, external safety and air quality in cities and regions with major airports. The distribution of these external effects is largely determined by flight paths, which are controlled by ATM. Today, most political representatives and planners are not familiar with the close relation between land use policies and ATM and vice versa.

Understanding ATM today and tomorrow is a key requirement to meet the new challenges cities and regions have to face with an expected long-term growth of air transport and demand for airport capacity. A better understanding of the interdependency between spatial planning on local and regional level and ATM, will provide a solid foundation for more sustainable land use development, air transport system and airports in Europe.

The ARC project Quality of Life in Airport Regions, QLAIR, launched its study on *Spatial planning and ATM technology* in December 2009. The logical next step is to take this study into practical examples for political representatives and planners and ATM providers. For that purpose, the ARC in association with Eurocontrol and NLR has developed a one-day pilot workshop to develop a better understanding of the interdependence between spatial planning and ATM and to start a dialogue between cities and regions and ATM providers.

The program will contain plenary presentations in the morning, and in the afternoon simulations from various points of view: control tower, pilots, airports and regional authorities.

Objective

The objective of the workshop is to:

- To test whether simulation is a methodology for better understanding of the complexity and interdependency between ATM and spatial planning;
- Provide a basis for the establishment of a two-way dialogue between ATM providers and policy makers in airport regions by developing a first agenda for policy development in this field.

Participants

The pilot workshop is open to political representatives and senior planners/ officials in ARC member regions, representatives from Eurocontrol, ATM providers and airport operators.

Program

09.30 – 09.45	Welcome and introduction	Bengt Christensson, ARC, Luc de Nijs, NLR
09.45 – 10.30	The ATM perspective: How does ATM work in practice and what are the impacts on the ground? Including mitigation activities.	Alan Melrose, EUROCONTROL
10.30 – 11.00	ATM developments and technologies, including Single European Sky.	Luc de Nijs, NLR
11.00 – 11.15	Coffee break	
11.15 – 12.00	Two-way dialogue: Impact of ATM on land use planning and vice versa: potential for land use planning	Speaker to be decided
12.00 – 12.30	Introduction to Collaborative Environmental Management/Collaborative Decision Making	Etienne van Zuijlen (Schiphol Group)
12.30 – 13.30	Lunch break	
12.30 – 13.30	Brief introduction to demonstration program	Luc de Nijs
13.30 – 15.30	Practical demonstrations in subgroups	
	- 360° ATC tower simulation	
	- Flight simulator	
	- Collaborative Decision Making	
15.30 – 17.00	Wrap up, refreshments, further discussions	

Venue

The workshop will be held at the premises of the National Aerospace Laboratory (NLR), Anthony Fokkerweg 2, 1059 CM Amsterdam. This is approx. 10 kms from Schiphol Airport. NLR is one of the four Major Technology Institutes (MTIs) in the Netherlands, and possesses a wide variety of specialised research facilities, ranging from simulators to wind tunnels, amongst them the NARSIM Radar and NARSIM Tower: simulators used for researching the various aspects of air traffic control; and flight simulators capable of simulating a wide range of aircraft.

More information

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Registration

All participants should register in advance by filling in the details below and send this file in an e-mail to info@airportregions.org marked 'ATM workshop'. As the meeting location is a secured area, you will receive further instructions for identification upon registration. **For this pilot workshop, there will be no application fees for ARC members.**

Please remember to bring your passport or other identification to the workshop!

I/We want to register for the ATM workshop 15 April 2010

Full name	Birth date	Title	Organisation	Email

We would appreciate your registration before 1 April.