

Research Workshop

Fragmentation in Air Traffic and its Impact on ATM Performance

14–15 May 2019 in Budapest, Hungary

Conference venue: Hungarian Academy of Sciences, Budapest, Széchenyi István square 9, 1051 Hungary

First day, 14 May

10:30-11:30 Registration and standing brunch

11:30-12:15 Opening statements

N.N. – *Hungarian Ministry for Innovation and Technology*
Eric Perrin – *European Commission*
Matej Eljon – *FAB CE*
Michiel van Dorst – *Chairman FABEC CEO Board, CEO LVNL*

12:15-13:00 Setting the scene: Impact of fragmentation on the ATM system performance

Hartmut Fricke – *Technical University of Dresden*

Lunch break

14:00-15:45 Fragmentation in ATM: relevance and perception

Moderator: Lado Kuljanishvili – *NSA Georgia*

Is fragmentation a sin?

Robert Anton, Niels Lokman, Edouard Pitton,
Matthias Whittome – *FABEC*

Network delay optimisation of multiple CASK regulations in fragmented European airspace

Sergio Ruiz, Hamid Kadour, Peter Choroba – *Eurocontrol*

European airspace complexity and fragmentation correlation research

Zvonimir Rezo, Sanja Steiner – *University of Zagreb*

Coffee break

16:15-18:00 Fragmentation in ATM: the efficiency aspect

Moderator: Adriaan Heerbaart – *Eurocontrol*

Analysis of the evolution of cost-effectiveness in the provision of air navigation services at functional airspace blocks

Alberto Ansuategi, Ibon Galarraga – *University of the Basque Country*

Efficiency losses through fragmentation?

Frank Fichert – *University of Worms*
Thomas Standfuß – *German Aerospace Center*
Michael Schultz – *Technical University of Dresden*
Petros Stratis – *NSA Cyprus*

Scale effects in European ANS provision

FABs and fragmentation – where is the added value?

Claudio Cannavici – *BLUE MED FAB*
Matej Eljon – *FAB CE*

18:00-18:15 Wrap-up 1st day and outlook on 2nd day

Moderator: Jennifer Beechener, ATM Journalist

18:30 Joint walk to the BUDAPEST boat (5 min)

End first day

SOCIAL EVENT

Danube dinner cruise – Starting time: 19:15 (Luggage can be stored on the boat)



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Second day, 15 May

9:00-9:15	Starting the day	Moderator: Jennifer Beechener, ATM Journalist
9:15-11:00	Fragmentation in ATM: the operational aspect	Moderator: Maurizio Paggetti – <i>BLUE MED, COO ENAV</i>
	Military airspaces – genesis of fragmentation (?)	Mariana Anguelova, Igor Kuren, Remus Lacatus – <i>Eurocontrol</i> Attila Paulov – <i>MoD Hungary</i> Vilmos Somosi – <i>HungaroControl</i>
	Advanced Flexible Use of Airspace implementation in lower airspace through the modular flexible structures	Ranko Vuica, Željko Savić – <i>Croatia Control</i>
	Fragmentation in the European upper airspace? A cost-benefit approach to harmonisation	Veselin Stoyanov – <i>BULATSA</i> Frank Fichert – <i>University of Worms</i>

Coffee break

11:30-13:15	Fragmentation in ATM: the dynamic aspect	Moderator: Dirk Kügler – <i>German Aerospace Center</i>
	How ANSP business model developments can contribute to the defragmentation of the European ANS landscape	Sven Buyle, Wouter Dewulf, Franziska Kupfer, Evy Onghena, Hilde Meersman, Eddy Van de Voorde – <i>University of Antwerp</i>
	Effects of fragmentation on route charges – status quo analysis and potential alternatives	Goran Pavlovic – <i>University of Belgrade</i> Frank Fichert – <i>University of Worms</i>
	Addressing policy fragmentation in the ATM sector: overcoming the Single European Sky gridlock through innovative ATM and data policies focusing on the public purpose	Ivan Arnold – <i>HungaroControl</i> Matthias Finger – <i>Florence School of Regulation</i>

Lunch

14:15-14:30	Wrap-up of the panels	Moderator: Jennifer Beechener, ATM Journalist
14:30-15:30	Panel session Fragmentation vs. subsidiarity	Kornél Szepessy – <i>HCL CEO</i> Aleksandar Vasilev – <i>FABEC Finance & Performance Committee, German MoT</i> Eric Perrin – <i>European Commission</i> Maurizio Paggetti – <i>BLUE MED, COO ENAV</i> Lado Kuljanishvili – <i>NSA Georgia</i>
15:30-15:40	Closing remarks	Matthias Finger – <i>Florence School of Regulation</i>

