

Research Workshop

Fragmentation in Air Traffic and its Impact on ATM Performance

14 - 15 May 2019 in Budapest

Call for Papers



Fragmentation in Air Traffic and its Impact on ATM Performance

FAB Central Europe and FAB Europe Central are happy to invite you to the Research Workshop that will be hosted on 14 - 15 May 2019 in Budapest. The conference is held in partnership with the FSR Florence School of Regulation and the German Aviation Research Society (GARS).

Aim of the Conference

Since the conception of the Single European Sky initiative, 'fragmentation' has been a key reference point and policy driver in the ATM domain. While 'fragmentation' seems to be taken for granted, this concept has never really been thoroughly examined with its contradiction of "centralized de-fragmentation" versus a "fragmented customer-orientation". Subsequently its implications – either negative or positive – are neither fully explored nor sufficiently understood let alone an optimum level of (de-) fragmentation is derived.

The term has been applied to airspace, technology, the operational and institutional framework and used in the context of economic fragmentation. Yet it remains unclear when something can be considered 'fragmented' or 'de-fragmented' and what the implications such as the impact on performance, operations or competition may be. In addition, there is no view how to balance fragmentation.

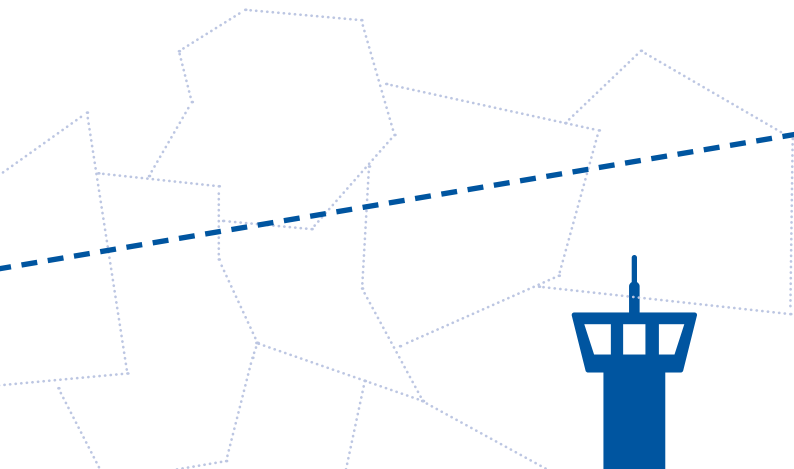
“How does fragmentation within the aviation chain affect ATM performance?”



The aim of this fragmentation workshop is to bring greater clarity to the concept of fragmentation. We propose to focus the discussion on the policy aspects of fragmentation in particular on the following issues:

- How should “fragmentation” be defined?
- What are the negative and positive aspects of fragmentation?
- How can fragmentation be measured and how is it distributed?
- What is the impact of fragmentation of the aviation chain on the performance of the ATM system in respect to safety, capacity, environment and cost-effectiveness?
- How can we define an optimum equilibrium between benefits and disadvantages of fragmentation and how can we achieve this balance?
- What is the relevance of fragmentation to the operational domain, for instance with regard to sector compositions or ideas such as a single European Upper Information Region (EUIR)?
- What is the relevance of fragmentation to technology?
- How can Functional Airspace Blocks contribute to overcome fragmentation?

There are many other unanswered questions on the issue and our intention is to remain open to novel interpretations and approaches. We want to encourage researchers, academics, practitioners and decision-makers to providing a forum for mutual exchange of information. The workshop will feature contributions from the fields of aviation, economics, policy, law and management that focus on the impact of fragmentation on performance and policy-making. Interdisciplinary research is particularly encouraged. We welcome theoretical and empirical papers as well as practice-oriented contributions, e.g. case



studies or best practice approaches (including inputs from other industries). We also invite Bachelor, Master, Diploma or PhD students to present their work. As research is always work in progress, we encourage scholars to present their research findings from all stages of study.

In addition to the presentation of submitted papers, keynote speakers will provide insights into the topic. The workshop is free of charge, but the organizers cannot cover travel or accommodation costs of participants. However, for students, limited funding for travel costs might be available. Please indicate in your submission, whether you require assistance in this regard.

Call for Papers

You are invited to submit an abstract (not more than one page) that contains author(s), research question(s), data gathering, analysis methodology and expected results as pdf- or Word-file to Matthias.Whittome@dfs.de.

Important Dates

- 7.12.18:** Submission deadline for abstracts (max one page)
- 21.12.18:** Notification of acceptance
- 15.4.19:** Submission deadline for full papers (max 8 pages)
- 30.4.19:** Registration deadline for the conference
- 14/15.5.19:** Research workshop

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