

Research Workshop

Single European Sky and Resilience in ATM

15-16 September 2022 in Sofia/Bulgaria

Invitation

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Single European Sky and Resilience in ATM

DANUBE FAB and FABEC are pleased to invite you to a research workshop entitled Single European Sky and Resilience in ATM which will be hosted in Sofia on 15/16 September 2022. The workshop is organised in partnership with the German Aviation Research Society (G.A.R.S.).

Aim of the workshop

Resilience is understood as the ability of a system to return to its former shape after being put under extreme pressure. In ATM this has usually been looked at from an operational, technical, safety and security point of view; accompanied by the development of fall-back plans. In broad terms, the COVID-19 pandemic showed that European ATM can meet the challenge of securing ongoing operations and maintain critical infrastructure. However, the pandemic is just one of many dramatic changes facing the aviation industry. Russia's invasion of Ukraine brought airspace closures and widespread geopolitical upheaval, while environmental concerns and more extreme weather events continue to add to economic

and social challenges more global in nature. Given this, is it useful to plan for recovery and resilience aiming for the "good old days" of aviation? Or would it be wise to develop a common picture of how aviation – and hence ATM – might look and how it will serve the public and the economy going forward? Taking this idea as a starting point, the discussion on resilience will investigate how to shape ATM to successfully manage pressure in the future and to fulfil its mission as a critical infrastructure.

The European way of financing ATM services is said to lead to procyclical charges, meaning that when the sector is in crisis ATM charges increase, and when the sector is on a growth path charges decrease. Are there other solutions and what kind of experience could be gained from outside Europe or from other industries? Current issues need to be considered, such as high uncertainty of recovery and increasing traffic volatility, which make it almost impossible to plan for the upcoming years. The consequences for ATM are most severe in the financial area where states and air navi-



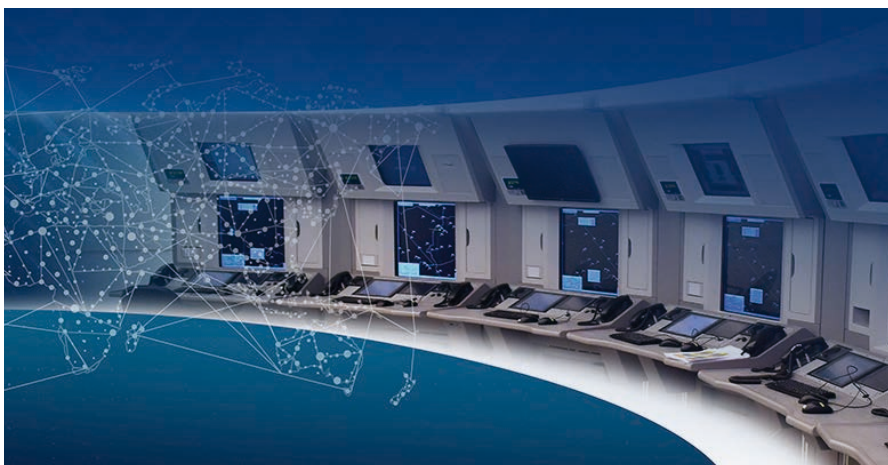
gation service providers (ANSPs) operate within an EU Performance and Charging Scheme that does not seem to be built to accommodate external shocks or volatility – including additional requirements such as the Green Deal.

This InterFAB workshop addresses these issues in a series of presentations that examine the challenges facing the industry and inform the panel discussions on how to increase resilience. The agenda considers economic, geopolitical and environmental factors before drawing conclusions from two days of debate.

Panel sessions and topics

The workshop will focus on the following questions:

- What is a resilient society, how can these characteristics be applied to aviation?



“ High uncertainty and increasing traffic volatility make it almost impossible to plan for the upcoming years ”

- What is needed to ensure resilience in day-to-day air traffic management, from the standpoint of an air traffic controller, what factors need to be considered?
- Cyber-attacks are becoming more frequent and more sophisticated. How can the aviation industry ensure it can withstand these threats?
- What was the impact of COVID on air traffic management, and how can aviation prepare for the next pandemic?
- How important is it to consider the whole supply chain, for example how does an airport closure impact flight flow?
- What structural differences undermine aviation resilience, what are the potential solutions?
- Can increased resilience be a win-win for the aviation industry and the Single European Sky?
- Does the current performance and charging regulation really facilitate resilience of air traffic management?
- How does political unrest in and around Europe impact air traffic management predictability?
- In what ways can the air traffic management industry prepare for upcoming risks and challenges from the standpoint of economic, environmental and geopolitical events?
- How does collaboration strengthen resilience in ATM as critical infrastructure?

Bringing together academics and practitioners, the research workshop provides a forum for mutual exchange and an opportunity to share ideas for resilient air traffic services.



Logistical information and registration

The workshop takes place over two days from 15-16 September 2022 in Sofia, Bulgaria. Attendance is free of charge.

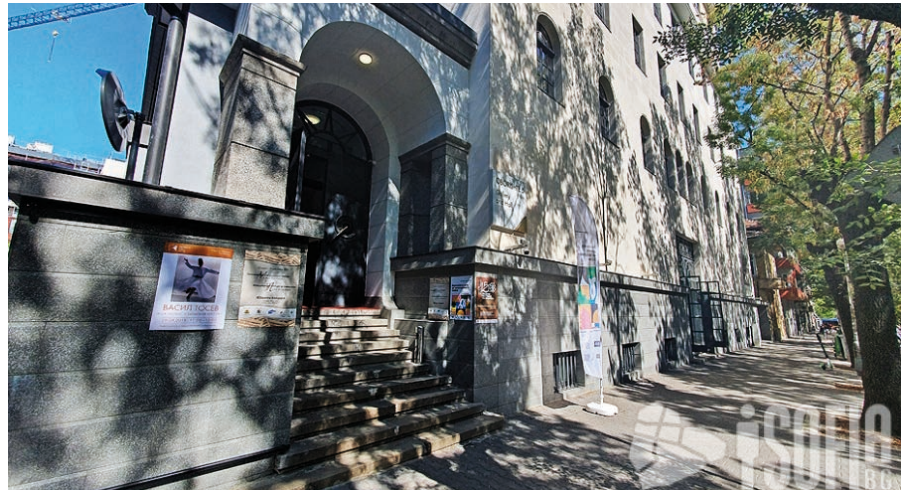
To register please go to [FABEC.eu](https://www.fabec.eu) or www.inter-fab.eu

For organisational reasons, only on-line registrations will be accepted. In addition, the number of participants is limited. In case of overbooking, the organiser reserves the right to withdraw reservations.

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Workshop Venue

Vivacom Art Hall

Oborishte 5
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Bulgaria



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