

INAIR 2019 International Conference on Air Transport

Ensuring Safety and Security in Aviation TOWARDS A SAFE AND SECURE EUROPEAN DIGITAL ATM

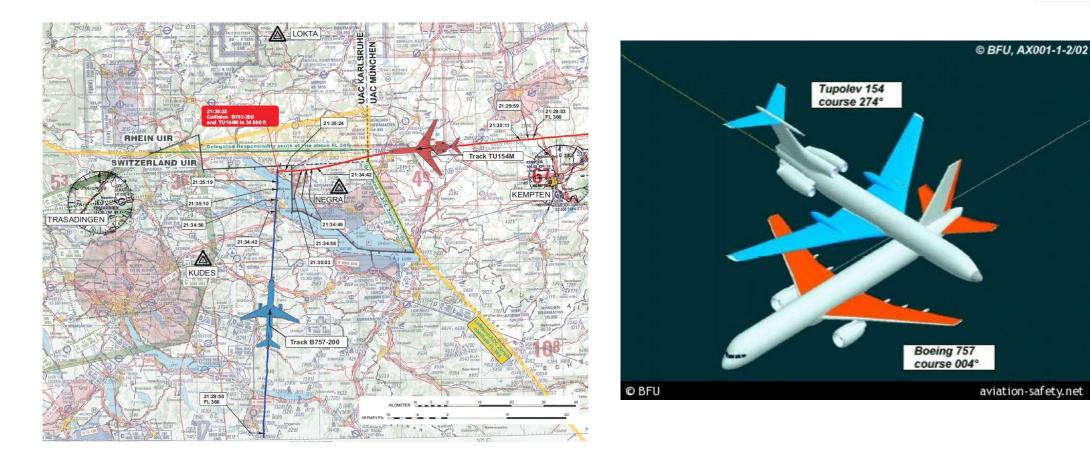
Ovidiu DUMITRACHE

12 November 2019



2002 : The Überlingen Mid-Air Collision at 35,000 Feet



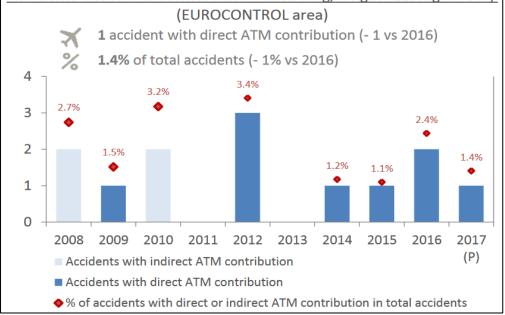


https://www.youtube.com/watch?v=rycXgXPuDWU

ATM Top 5 Operational Safety Priorities - Today



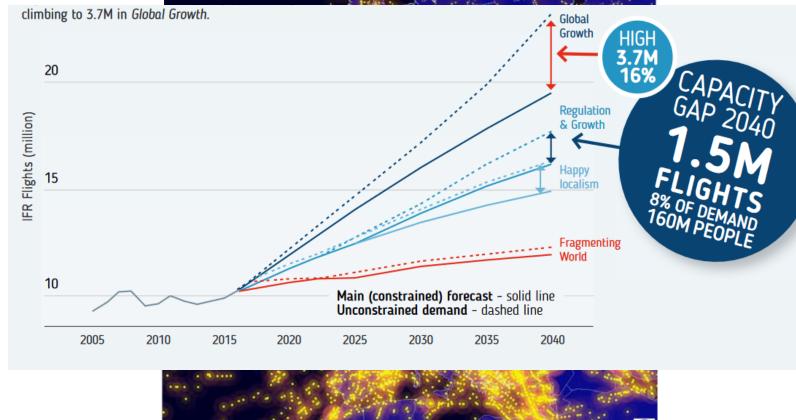




TRAFFIC GROWTH









Towards a fully digital sky

with higher traffic density & complexity levels





Artificial Intelligence an opportunity for Safety and Security



Analytic tools

Based on

- Safety/security risk detection
 - & assessment
- Predictions
 - Training & human performance
 - **Cyberthreat detection**

- New human & machine partnership
- The respect of ethics and privacy
- Clear legal liability
- New validation tools & methods for safety
- R⁰ and (cyber)security
- DATA & SKILLS

Thank you ! Ovidiu.dumitrache@eurocontrol.int



