

Supporting
European
Aviation



EUROCONTROL Airport related initiatives

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EUROCONTROL Innovation Hub
DRONE Programme
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NETWORK
MANAGER

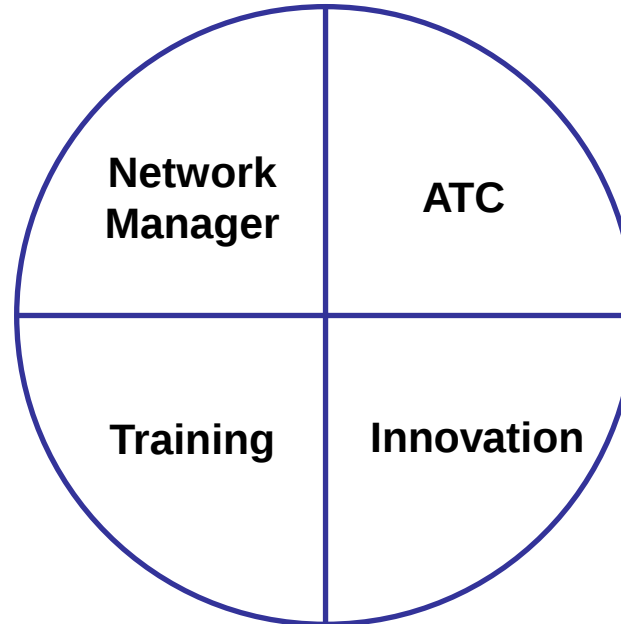


EUROCONTROL in a few words

EUROCONTROL is a pan-European, civil-military organisation dedicated to **supporting European aviation**

EUROCONTROL Office Locations

-  **BELGIUM**
Brussels (HQ & ATM Network)
-  **NETHERLANDS**
Maastricht (MUAC ANSP)
-  **FRANCE**
Brétigny-sur-Orge (Innovation Hub)
-  **LUXEMBOURG**
Luxembourg (Training Centre)



EUROCONTROL in numbers

60 years, 41 Member States, 1800 officials & 860 M€ annual budget

EUROCONTROL INNOVATION HUB

+200 experts dedicated to innovation for aviation



EUROCONTROL Airport initiatives (1/2)

- EUROCONTROL collect operational users' needs to facilitate **development of solutions that leverage also on space-based technologies** to enhance airport operations.
- EUROCONTROL supports with no exchange of funds projects and initiatives that are part of **various EU threads and/or programmes** to develop prototypes and operational solutions (e.g. Operational procedures for ATM):
- **SESAR (Single European Sky ATM Research) Projects**
 - Use of satellite-based navigation systems for precision approach and landing operations, especially in challenging environments or low-visibility conditions (e.g. PinS for Helicopters).
 - Satellite navigation for digital air traffic management, and optimization of runway throughput.
 - Integration of space-based ADS-B (Automatic Dependent Surveillance-Broadcast) for improved air traffic surveillance.
 - Digital tools supporting runway throughput and airport surface management optimization

EUROCONTROL Airport initiatives (2/2)

- **Airport Collaborative Decision Making (A-CDM)**
 - Incorporates space-based data to enhance decision-making processes between airport stakeholders, ensuring more predictable and efficient airport operations.
- **U-Space and Urban Air Mobility (UAM)**
 - Integration of satellite technologies to support safe UAS (Unmanned Aircraft Systems) operations in and around airports, enabling new logistical possibilities like drone-based cargo.
- **Remote Tower Operations**
 - Satellite communication enable real-time video and data feeds for remote air traffic control tower operations.
- **Airport Autonomous and Digital Operations**
 - Use of satellite-enabled AI systems for cargo logistics, asset tracking, and operational planning.
 - Satellite data optimize cargo logistics, fleet management, and intermodal transportation at airports. These solutions are expected to improve operational safety and efficiency.
- EUROCONTROL closely cooperates with ESA BASS to elicitate aviation needs and trends.

THANK YOU

SUPPORTING EUROPEAN AVIATION

