

Supporting  
European  
Aviation



# EUROCONTROL Airport related initiatives

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DRONE Programme  
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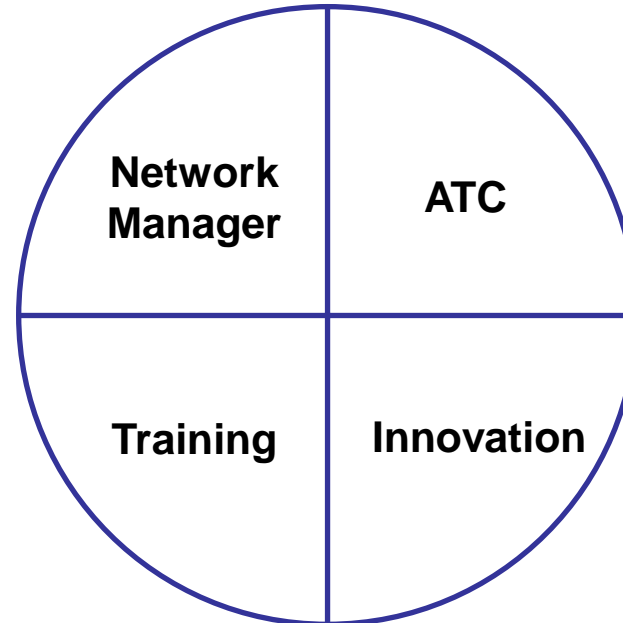


# EUROCONTROL in a few words

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

