



CP1 panel on benefits

9 March 2023

14:45 – 16:00



MODERNISING AIR TRAFFIC MANAGEMENT AS ONE



SESAR deployment benefits are being delivered thanks to thousands of people working at more than 100 European aviation partners. Airports, Airlines, Air Navigation Service Providers, Meteorological Service Providers, the Network Manager and Military stakeholders working together as one team. One team coordinated and synchronised by the SESAR Deployment Manager in order to timely deliver modern and digital Air Traffic Management in Europe.

259 projects out of 340 are in operation bringing benefits to passengers*

On passengers time WE SAVE:
112 m minutes
4.3 bn euro

On the environment WE SAVE:
1.1 m tons of fuel
3.5 m tons of CO₂
1.3 bn euro

Cumulated minutes saving of first 259* completed projects
1,020,000 flight's average time

Cumulated Fuel equivalent savings of first 259* completed projects
176,000 flight's average fuel consumption

Cumulated CO₂ savings of first 259* completed projects
7.4 m trees

EVOLUTION OF BENEFITS

€ 5.6 bn
259* completed projects

€ 12.6 bn
340 projects coordinated by SDM (On-going monitoring)

€ 15.7 bn
CPI

* 259 projects closed by January 2023. All benefits by 2026.



Transforming Air Traffic Management in Europe

delivers significant reduction per Flight on

excess CO₂ & Fuel up to 60% equals >190kg Fuel and > 600kg CO₂

Flexible Airspace Management and Free Route Airspace

AF 3

- more efficient use of airspace
- shorter flight paths for passengers
- fuel savings for airlines
- reduction of CO₂ emissions



Initial Trajectory Information Sharing

AF 6

- improving predictability of flights
- increasing safety levels of ATM operations
- paving the way to Trajectory Based Operations



Extended AMAN and AMAN/DMAN integration

AF 1

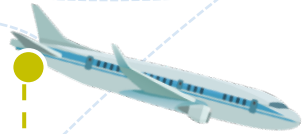
- reduction of holding and delays
- increased predictability
- reduced noise CO₂ emissions



AF 4

Network Collaborative Management

- increasing capacity to accommodate flights
- reducing congestion in the Network
- anticipating and resolving traffic complexity



AF 5

System Wide Information Management

- a secure infrastructure for data exchanges
- pushing forward ATM digitalization
- reducing the costs of ANS provision



AF 2

Airport Integration and Throughput

- reduced queueing and turnaround times
- safer and more resilient ground operations
- better use of runways, taxiways and apron
- improved door-to-door experience for passengers





Modernising Air Traffic Management As One

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