

# SESAR DEPLOYMENT DELIVERS BENEFITS

for European passengers, citizens and economies



SESAR deployment saves trees, fuel, money and time for YO(E)U while supporting the growth of air traffic at an affordable cost, reducing environmental impact and increasing safety.

We are supporting the European Green Deal by modernising Air Traffic Management and improving air mobility in a sustainable way.



**150** projects out of 345 are in operation bringing benefits to passenger (representing 24% of the investment)

On passengers time

we save:

On the environment

we save:

In 2020

**1.5m**  
minutes

**75m**  
euro

**25k**  
tons of fuel

**79k**  
tons of CO<sub>2</sub>

**19m**  
euro

By 2030

**20m**  
minutes

**1bn**  
euro

**357k**  
tons of fuel

**1.1m**  
tons of CO<sub>2</sub>

**250m**  
euro

Cumulated minutes saving of first 150\* completed projects

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**169,000**  
flight's average time

Cumulated CO<sub>2</sub> savings of first 150\* completed projects

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**2,300,000**  
trees

Cumulated Fuel equivalent savings of first 150\* completed projects

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**57,000**  
flight's average fuel consumption

## Evolution of benefits



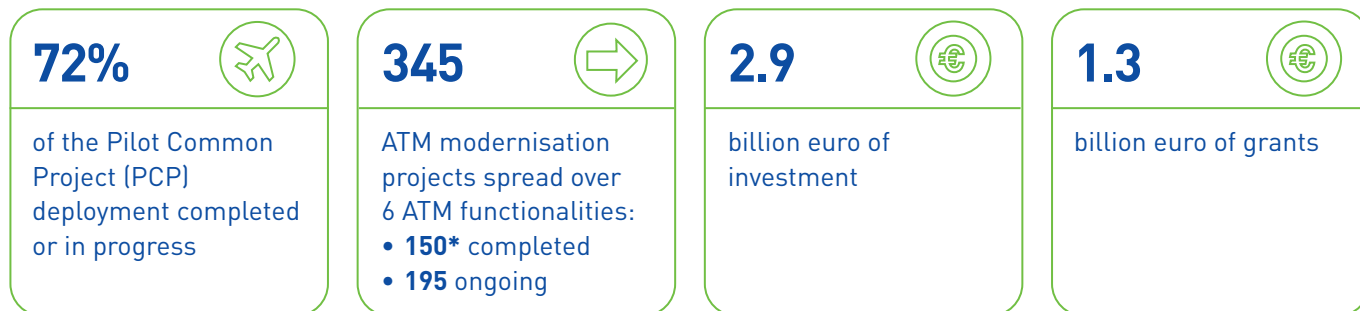
\*150 projects completed by June 2020

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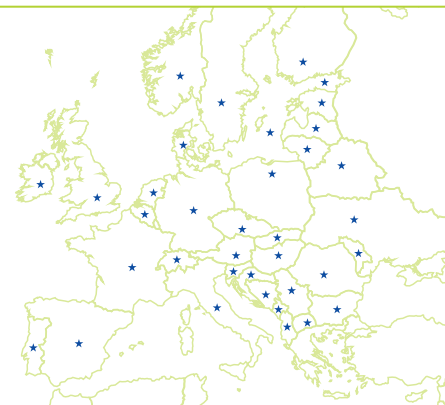
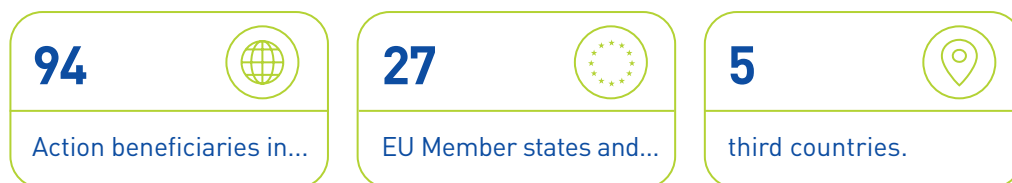
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# Synchronising & coordinating deployment of Air Traffic Management modernisation projects in Europe:



## Action coordinator

Coordinating 7 Actions with:



## Bringing Europe closer to a Digital Single European Sky

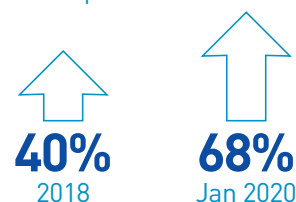
### Data Link Services (DLS)

Providing digital exchange of information between aircraft and ground

SESAR Deployment Manager mandated in 2016 as project implementation manager

- DLS performance drastically improved
- Towards i4D trajectory
- Bringing benefits to airlines and passengers

DLS equipped flights in Europe:



### Automatic Dependent Surveillance - Broadcast (ADS-B)

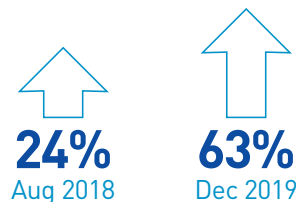
Developing real-time tracking of planes, complementing radar

SESAR Deployment Manager in charge of ADS-B Implementation Plan

- Real-time tracking, greater predictability, efficiency and timely responses in emergencies
- Cost effective surveillance in oceanic, remote or low traffic density areas
- Airborne traffic awareness and separation to emerge

ADS-B Implementation Status in Europe:

EU27+4 registered fleet, Version Number 2 (ED-102A/ D0260B)



\*150 projects completed by June 2020

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