



'Has the Single European Sky initiative provided more efficiency for European Air Traffic Management – is SESAR Delivering Results?'

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SESAR Joint Undertaking



A Union Body referred to in Article 208 of the Financial Regulation:

- Reports, programming and budget, sent to EC, Parliament & Council,
- Direct financial discharge to the Parliament.

Responsible for Research & Development:

- To ensure modernisation of the European air traffic management system,
- by coordinating and concentrating all relevant research and development efforts in the Community.

Technological element of the Single European Sky

Fully aligned with the Aviation Strategy

- addresses the challenges of air transport in Europe.



The SESAR vision – described in the European ATM Master Plan



Increased **virtualisation**, regarding provision of services irrespective of the location of physical infrastructure

Integration of all **vehicles** into Europe's airspace, including **drones**

OUR VISION

With SESAR, the future of air traffic management is characterised by:

Flight-centric operations, so airlines can fly their preferred routes

Improved information sharing, creating an intranet of services and applications accessible by all aviation stakeholders

Interoperable systems, allowing connectivity of systems across borders



ATM R&D Cost-efficiency

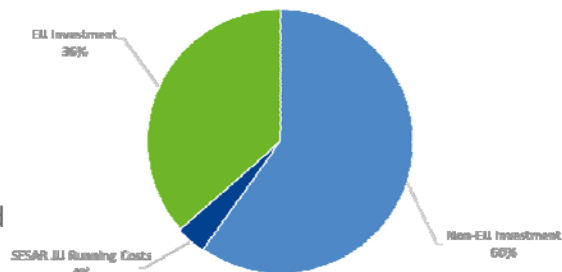


Investment in European ATM Research and Development is only 2.5% of total revenues for the sector

EU contribution is around 36% of the total R&D invested

Cost of coordinating and concentrating efforts in R&D is around 4% of the total R&D invested

Investment in European ATM R&D



ATM R&D delivery – SESAR JU



**SESAR 1 & 2020
Research
Programmes**

2007: creation of the SESAR JU

2009: European Council Decision (2009/320/EC) endorsed the “Master Plan of the SES ATM Research (SESAR) Project

2009-10: start and ramp up of SESAR Research & Development activities

2014: extension of the SESAR JU “to continue the development of the activities defined in the ATM Master Plan”

By 2016: SESAR 1 Programme has delivered 61 validated solutions ready for market take-up

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ATM R&D added value – SESAR JU



A cost-effective, coordinated ‘pipeline’ of research and development involving a wide range of partners

An international reputation and influence for the EU in ICAO

A validated, market-ready Solution Catalogue being used both within and outside of Europe

The SESAR 2020 Programme aims to finalise the research and development identified in the Master Plan





Is SESAR Delivering Results?

Thank you very much
for your attention!

