

What's new in SESAR: SESAR 3 Joint Undertaking

Andreas Boschen, incoming Executive Director, SESAR 3 JU

SESAR 3 JU snapshot



Accelerate through research & innovation the delivery of an inclusive, resilient & sustainable Digital European Sky



50+ founding members representing entire aviation value chain (incl. new entrants)



- Horizon Europe - EUR 600 million
- Eurocontrol – up to EUR 500 million (in-kind & financial contributions)
- Industry - EUR 500 million minimum (in-kind & financial contributions)

Additional funds via Connecting Europe Facility (in coordination with CINEA)

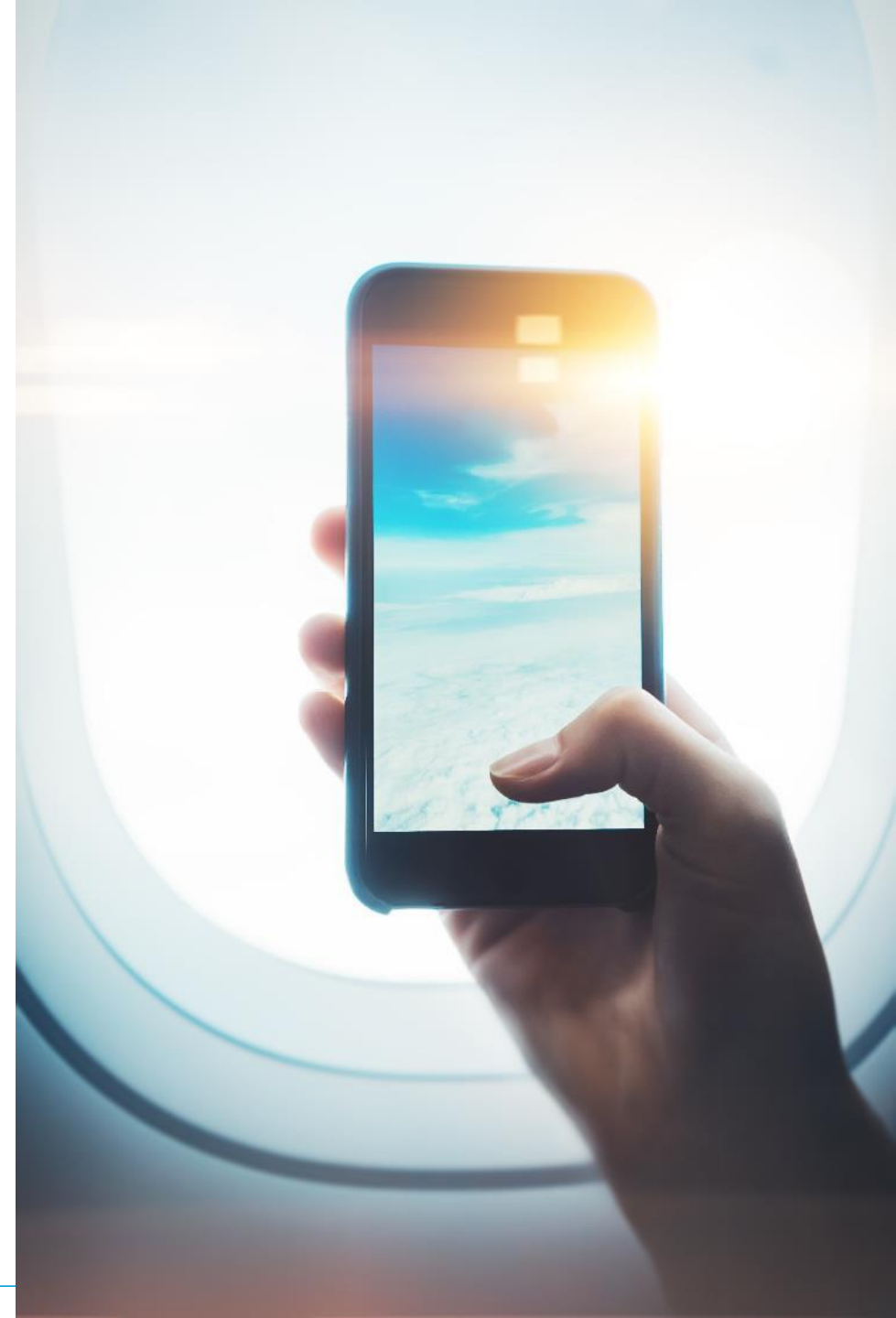


SESAR 3 JU founding members



General objectives

- **Strengthen and integrate the Union's research and innovation capacity** in the ATM sector, making it more resilient and scalable to fluctuations in traffic while enabling the seamless operation of all aircraft
- **Strengthen, through innovation, the competitiveness of manned and unmanned air transport in the Union**, and ATM services' markets to support economic growth in the Union
- **Develop and accelerate the market uptake of innovative solutions** to establish the Single European Sky airspace as the most efficient and environmentally friendly sky to fly in the world



Digital European Sky research and innovation flagships



Connected and automated ATM



Multimodality and passenger experience



Air-ground integration and autonomy



Aviation green deal



Capacity-on-demand and dynamic airspace



Artificial Intelligence for aviation



U-space and urban air mobility



Civil/military interoperability and coordination



Virtualisation and cyber-secure data sharing

What does this mean for citizens?

28
million
CO₂ **SAVED**

Potential savings of **28 million CO₂ tonnes per year**, which is roughly equivalent to the emissions produced by 3.2 million people or the population in the metropolitan area of a city like Madrid.

Digital opportunities

An aviation infrastructure that **opens up digital opportunities** for people and business and enhances Europe's position as a world leader in the digital economy.

14.5
million
HOURS **SAVED**

Saving time for passengers at airports or in the air in Europe, up to **14.5 million hours annually** that passengers will be able to spend otherwise.

Environment friendly

Positions Europe as the most environmentally-friendly sky to fly in the world.



Ongoing activities

- Ongoing **SESAR 2020 research and innovation** (67 projects)
- Launch of **first SESAR 3 JU calls**
- **SESAR 3 JU annual conference**: 12 October, Brussels
- **SESAR Innovation Days**: 5-8 December, Budapest – call for contributions is open
- **SESAR Young Scientist Award** - Call for candidates is open



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JOINT UNDERTAKING

First calls for
Digital European Sky projects

Apply now!

Budget: EUR 194 million available
Submission deadline: 13 October 2022

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Co-funded by
the European Union



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**SESAR 3 JU
Annual Conference**

12 October 2022
Save the date!

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**SESAR
Young Scientist
Award 2022**

Call is open!

2 prizes open to PhDs, undergraduates
and masters students

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SESAR Innovation Days

5-8 December 2022
Budapest

**Call for contributions
now open!**

Hosted by
HungaroControl

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THANK YOU FOR
YOUR ATTENTION

