



**EUROPE<sup>FOR</sup> AVIATION**

**SESAR is delivering!**

**Nicolas Warinsko**  
**General Manager – SESAR Deployment Manager**

**We help ensure European air traffic  
management can cope with the rapid  
growth of air traffic**



# Bringing benefits for Europe's economy, the aviation sector, **passengers and citizens**



Over 100 projects are already in operation  
bringing benefits to passengers





105 completed  
projects

# SAVING

12,000,000

FLIGHT  
MINS.

738,000

2019

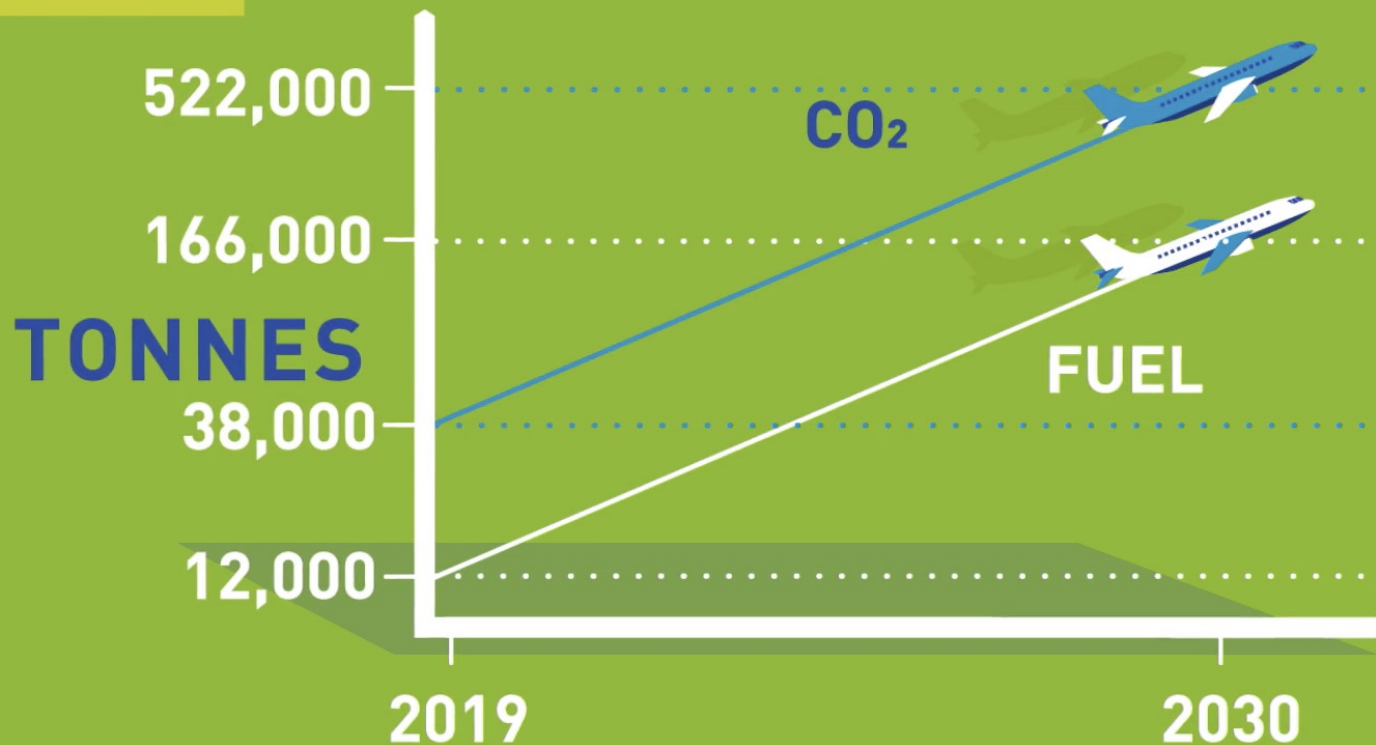
2030

€484M



105 completed  
projects

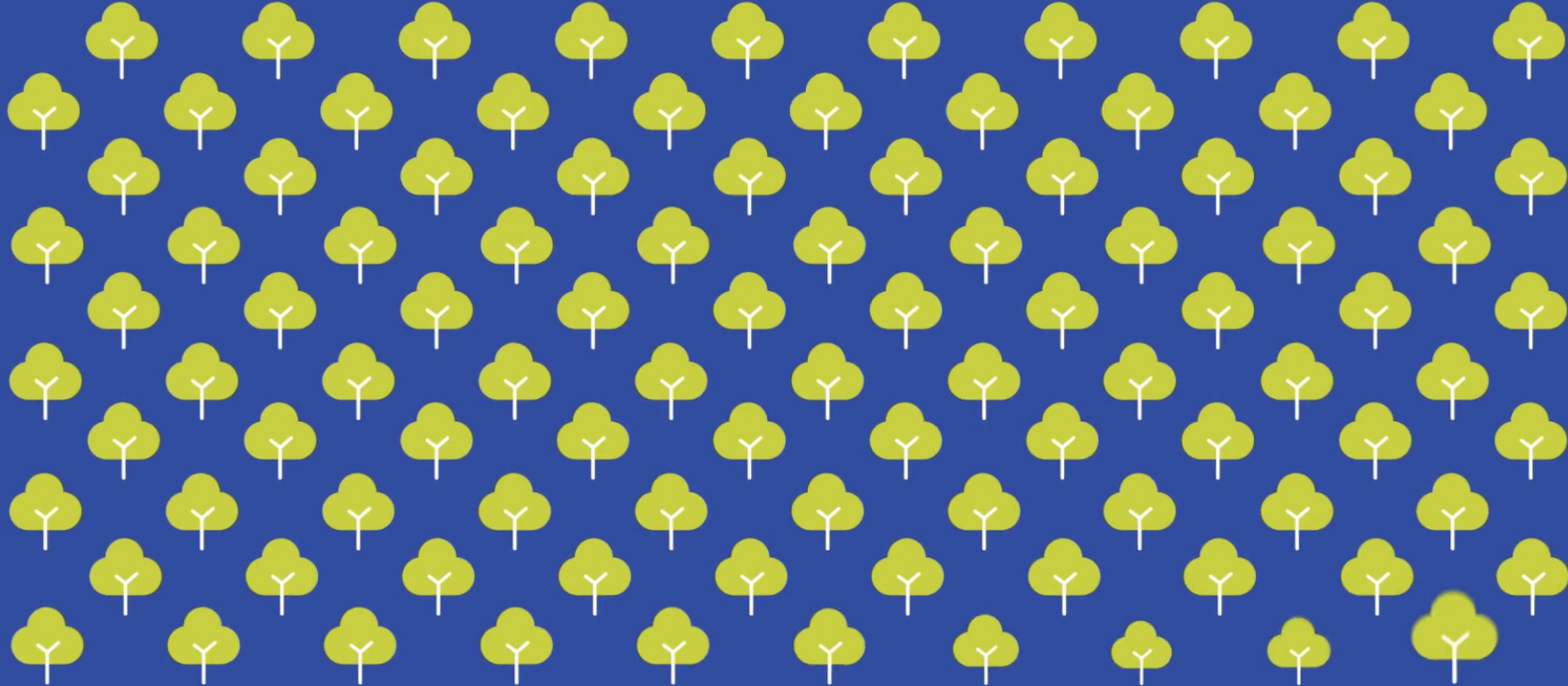
# SAVING



€134M



The **C02 savings** of these completed projects are  
equivalent to planting **1 million trees**



105 completed  
projects

## CREATING CAPACITY

6,200,000

DELAY  
MINS.

363,000

2019

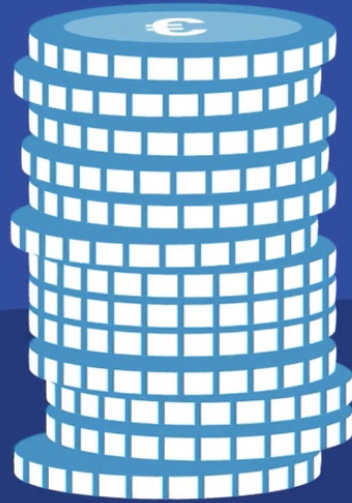
DATE

2030

€178M



The current portfolio of SESAR deployment  
is expected to generate



> €10  
billion

2014-2030

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**Florian Guillermet**  
Executive Director– **SESAR Joint Undertaking**



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# Incentivising SESAR deployment in Europe

Connecting Europe Facility - CEF

Andreas Boschen  
Head of CEF Department INEA

# INEA's place in EU aviation

INEA's place in the  
EU aviation Research & Innovation



# Legal Framework



## Trans-European Transport Network (TEN-T) Guidelines

- **SES implementation - SESAR deployment** identified as priorities for air transport



## Connecting Europe Facility (CEF) Regulation

- **SESAR recognised as a horizontal priority**

# General Objective

## (Work Programme 2014-2020)

**Support timely and efficient implementation of the Single European Sky, in particular the deployment of SESAR, by improving ATM performance in Europe in line with the ATM Master Plan**

- Modernisation and harmonisation of ATM systems
- Synchronised deployment of essential ATM functionalities
- Increased civil-military cooperation
- Interoperability
- Reducing fragmentation
- Consolidation of Air Navigation Service provision

# SESAR Common and Other Projects

## Common Projects

- Coordinated by the SESAR Deployment Manager
- Deploying ATM functionalities identified in the **Pilot Common Project**

## Other Projects

- Not covered by the Pilot Common Project
- Actions supporting new technologies, best practices for interoperable and harmonised ATM, air navigation services and aircraft operations
- Action under the Blending Call



# Overview of CEF Transport Calls – SESAR priority

- Oversubscription of all Calls

|                  | Budget available € | Total CEF funding requested € | Total CEF funding awarded € |
|------------------|--------------------|-------------------------------|-----------------------------|
| <b>2014 Call</b> | 300 million        | 532 million                   | 364 million                 |
| <b>2015 Call</b> | 815 million        | 1.3 billion                   | 694 million                 |
| <b>2016 Call</b> | 300 million        | 636 million                   | 311 million                 |
| <b>2017 Call</b> | 290 million        | 407 million                   | 290 million                 |

## Results of closed CEF Transport Calls – SESAR priority Common Projects

2014-2016

- 7 Common Projects
- Total costs eligible: € 2.9 billion
- Total EU funding: € 1.3 billion
- EU co-funding rates: between 11% and 85%

# SESAR priority - Common Projects

## Common Projects – SDM Cluster (2014 – 2023)

- 2014-EU-TM-0136-M (€318m)
- 2015-EU-TM-0193-M (€105m)
- 2015-EU-TM-0196-M (€367m)
- 2015-EU-TM-0197-M (€52m)
- 2016-EU-TM-0117-M (€261m)
- 2016-EU-TMC-0113-M (€8m)
- 2017-EU-TM-0076-M (€228m)

348 Implementation Projects

### # Total Partners

94

### # Partners per Category

(SDM not included)



11



34



6



11



19



12

### # Geographical coverage

*European MSs:*

28

*Third Countries:*

5



Airlines



Military



Airport  
Operators



ANSPs



MET Providers



Industry  
Providers

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## Results of closed CEF Transport Calls – SESAR priority Other Projects

**2014-2017**

- 60 Other Projects + 1 Blending Action implemented by ENAIRE & SDM
- Total costs eligible: € 636 million
- Total EU funding: € 300 million
- EU co-funding rates: between 20 % and 85%

## Examples of CEF funded "Other Actions" (1)

### **Remote Tower Services – RTS, Pilot operations in Sweden (01/2014 - 08/2019)**

Deployment of RTS in 3 airports:  
Örnsköldsvik, Linköping and Sundsvall  
(engineering, installation, validation and  
approval for operation) by Luftfartsverket  
(Sweden)

Total costs: €9,607,000

Max. EU contribution: €4,803,500 (50%)



## Examples of CEF funded "Other Actions" (2)

### **Advanced Surface Movement Guidance and Control System Modernisation (03/2016 - 06/2018)**



Modernisation of the Advanced Surface Movement Guidance and Control System to ensure the provision of other air traffic control services, covering ASMGCS, Tower Control and final Approach Control capabilities and also the appropriate interoperability requirements with the new Lithuanian ATM system and Baltic FAB requirements.

Total costs: € 2,820,000

Maximum CEF grant: € 1,255,464 (44.52%)



## Examples of CEF funded "Other Actions" (3)

### **Civil / Military Co-location at Schiphol (02/2016 – 06/2018)**



Co-location of the civil and military air traffic control at Schiphol implemented by Luchtverkeersleiding Nederland (Air Traffic Control The Netherlands)

Total costs: € 9,933,934  
Max. EU contribution: € 4,966,967  
(50%)

## Examples of CEF funded "Other Actions" (4)

### **Initial Airport Operations Plan (02/2016 – 12/2018)**

Implementation of a centralised database for cooperation and information sharing among all stakeholders at Ljubljana Airport by Fraport Slovenija d.o.o.

Total costs: € 890,733

Max. EU contribution: € 445,367 (50%)



## For more information



**inea@ec.europa.eu**



**<http://ec.europa.eu/inea>**



**@inea\_eu**



**Look for INEA!**

**Thank you!**



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## SESAR is delivering

The MILITARY in Single European Sky -  
Partnering for Excellence in global aviation



Christophe Vivier  
EDA Head of SES Unit

# REINFORCED MISSION

In May 2017, after EDA's LONG TERM REVIEW,  
Defence ministers agreed to reinforce the Agency's role and mission

- ▶ as the **main instrument**

for intergovernmental capability planning & prioritisation  
in Europe

- ▶ as the **prime forum and coordinator**

for the whole lifecycle of capability development

- ▶ as Member States' **central interface & gateway**

towards EU institutions & stakeholders

78 ✱ 39





The military are an inherently different aviation stakeholder  
in a complex security environment

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| Asset                    | Number |
|--------------------------|--------|
| Combat Aircraft          | 2300   |
| Helicopter               | 3000   |
| Light Transport Aircraft | 1300   |
| Heavy transport Aircraft | 420    |
| RPAS (All types)         | 420    |
| Airfield                 | 220    |



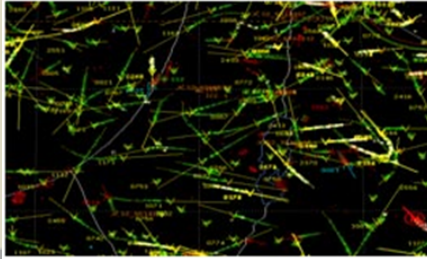
## Military Aviation Strategy:

*“Military Aviation will continue to provide and further improve, effective security and defence in a Single European Sky”*

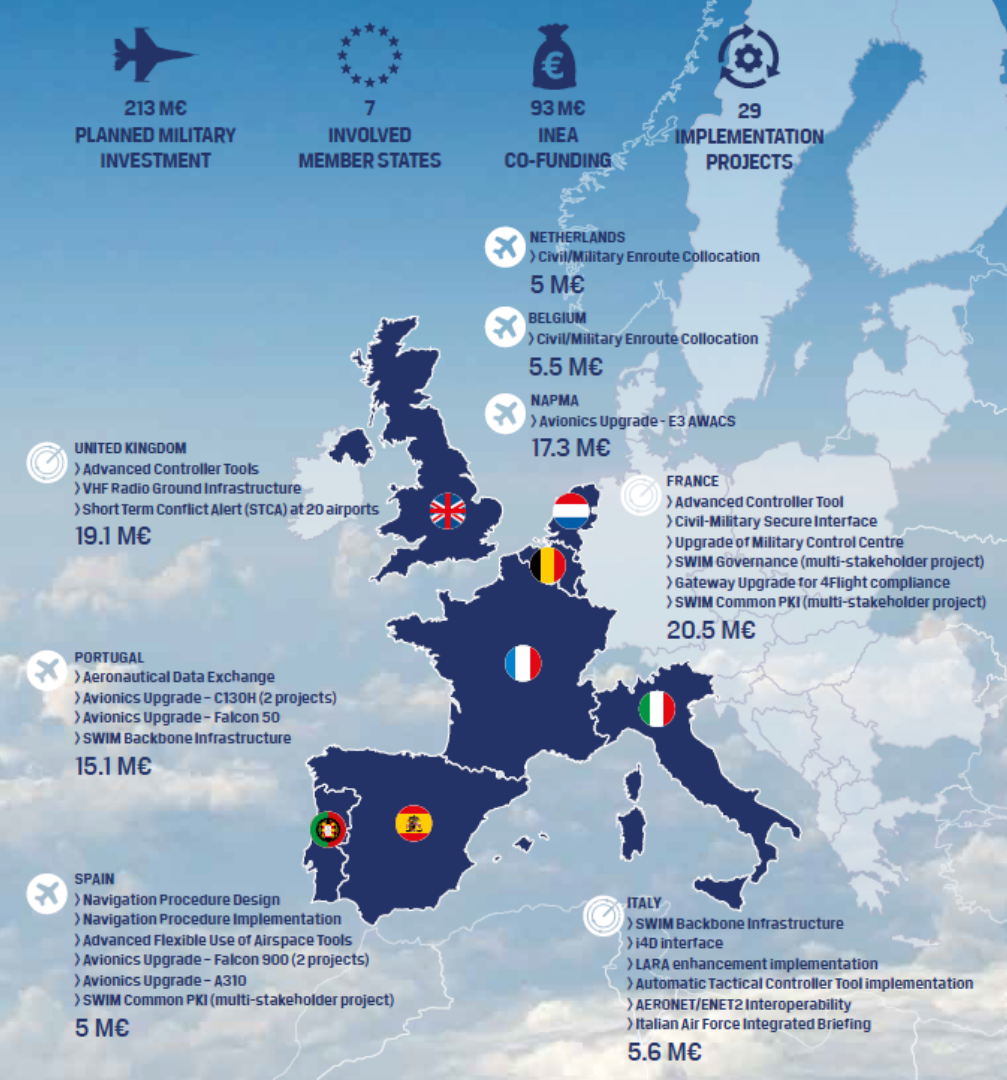


# The ATM system is an enabler for security and defence missions: security is a common responsibility

## LIVE SCRAMBLE 7500 B737 Casablanca – Paris CDG June 2018



# INEA Funding



...issues

limited benefits

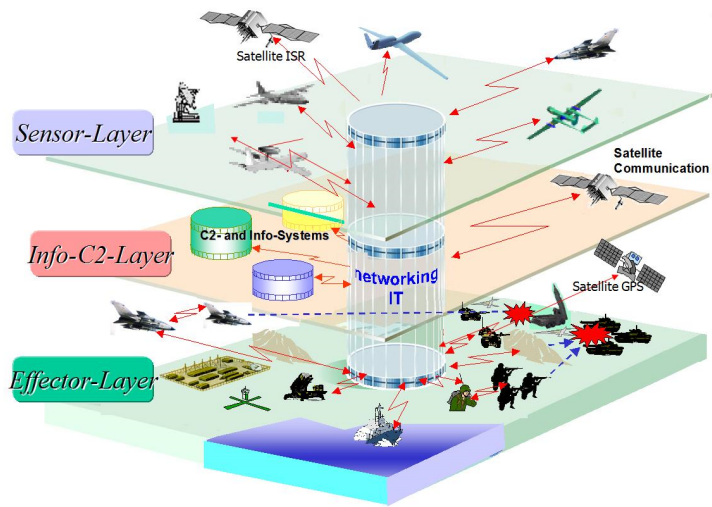
designed to fight



limited budget  
Cost

operational constraints

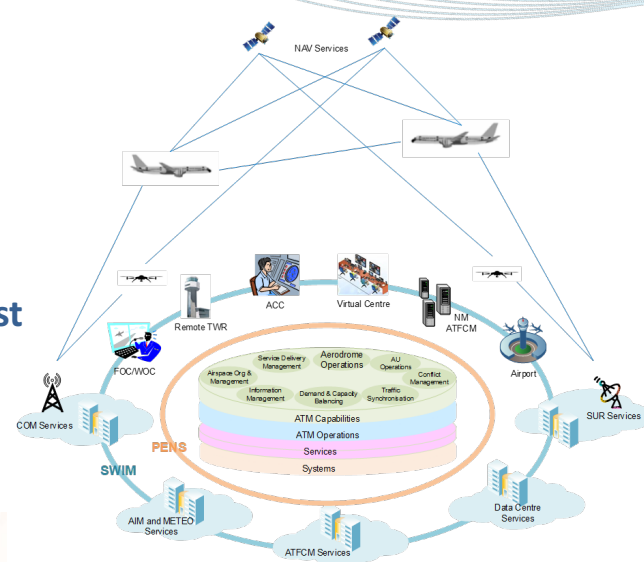




Military crisis environment  
Today - Core mission



Interoperability is a must



SES environment  
Tomorrow - Enabler

## Conclusion

- Let's move forward together
- Civil-Military collaboration is key  
Interoperability is a must
- SES shall accommodate the needs of all stakeholders in a balanced and proportioned way, in peace time and in crisis situations, through a modernized integrated ATM system
- In a shared Airspace, defence and security is a common responsibility and must be part of a SES vision and related objectives

