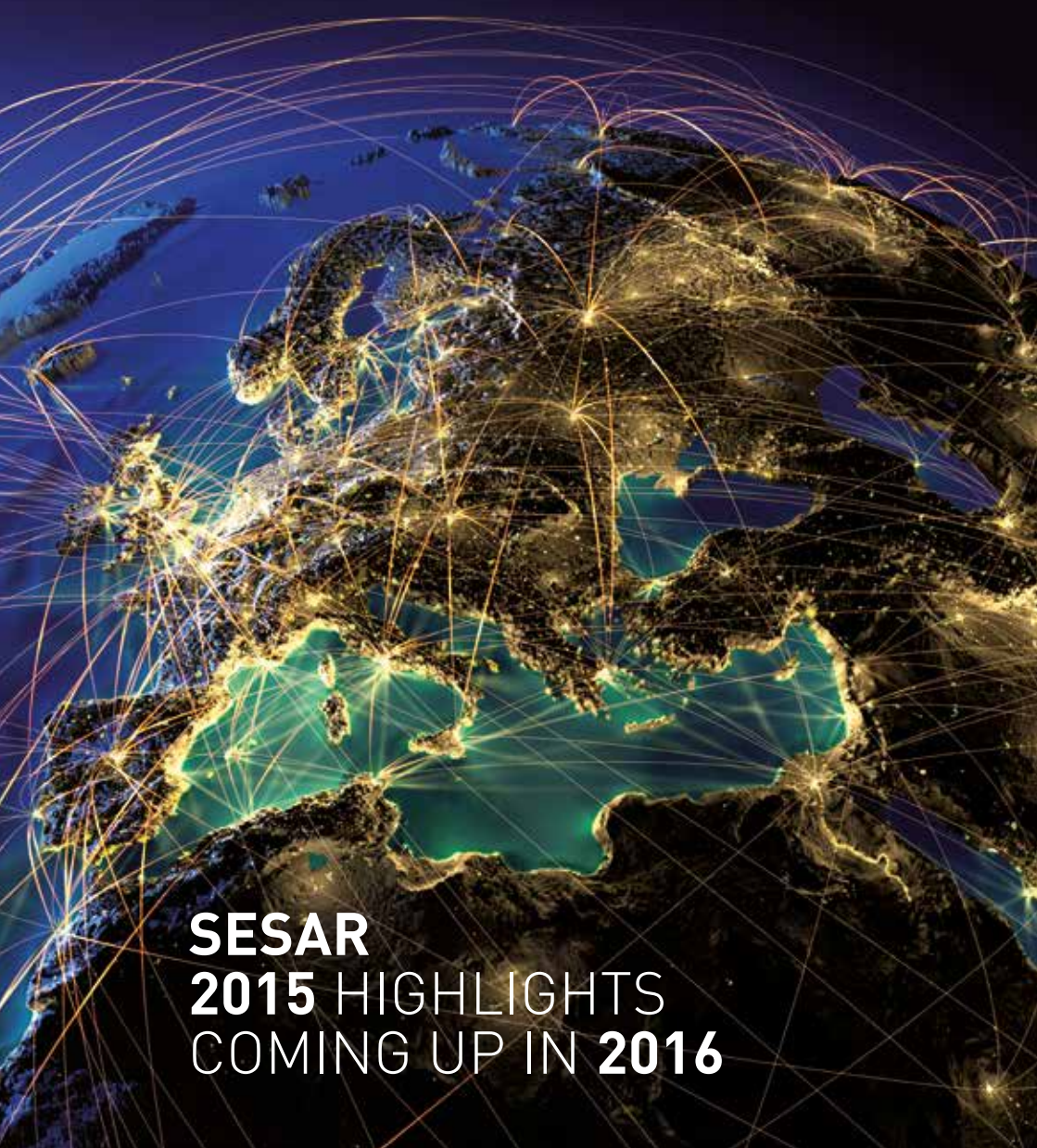
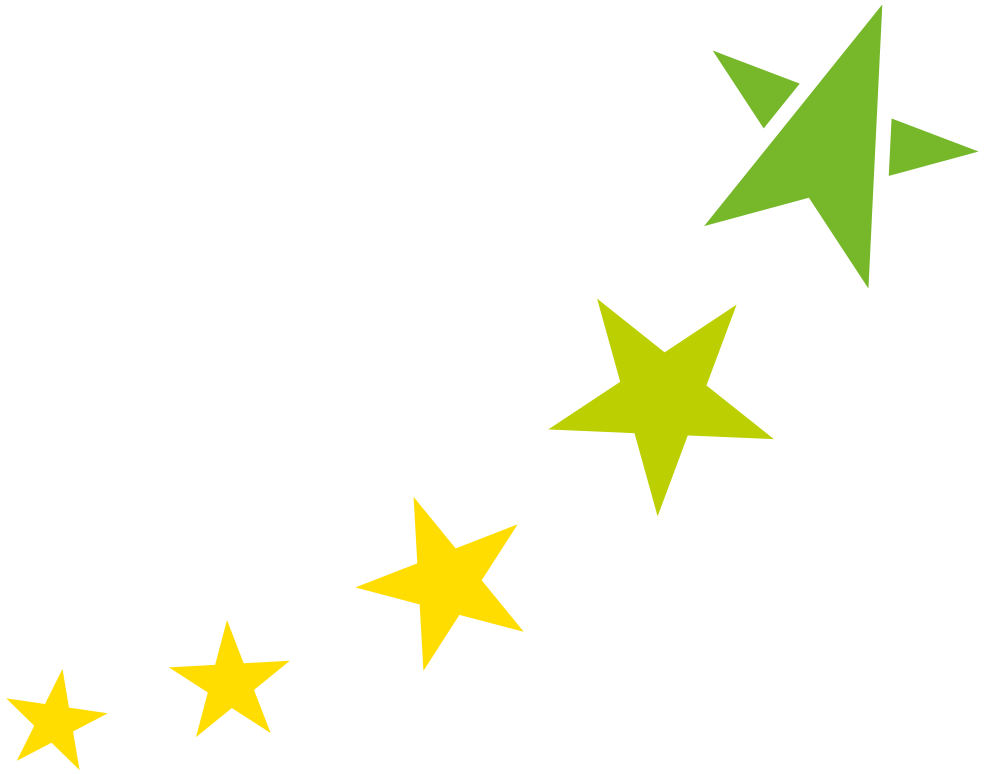




SESAR



SESAR
2015 HIGHLIGHTS
COMING UP IN 2016



HIGH PERFORMING AVIATION FOR EUROPE



Florian Guillermet, SESAR Joint Undertaking

“2015 has been a busy period in terms of completing activities under the current SESAR research and innovation work programme (SESAR 1) and launching the next wave of activities under SESAR 2020. It also marked the start of coordination activities with the SESAR Deployment Manager, ensuring that on a daily basis our two programmes stay aligned and focused on the common SESAR vision. This brochure provides some achieved SESAR milestones for 2015, clearly reflecting the spirit and determination of both the SESAR Joint Undertaking and SESAR Deployment Manager to deliver together a modernised ATM system for Europe.”

Massimo Garbini, SESAR Deployment Manager

“Today, deployment is a daily reality. Since the beginning of 2015, SESAR Deployment Manager has delivered a full Deployment Programme, validated by our stakeholders and is successfully managing the implementation projects related to the CEF Transport Call for Proposals 2014 and prepared 3 SESAR Clusters for the 2015 call. In combination with the crucial research and innovation work of the SESAR Joint Undertaking, we can say that today the ATM industry is ready to invest, to modernise Europe’s ATM system, deploying SESAR technologies and operational procedures and contribute to achieve Single European Sky performance objectives.”

JANUARY - MARCH

- SESAR industrial research validations (Release 5) get underway addressing **32 potential SESAR Solutions**
- **European ATM Master Plan** review campaign gets started
- Ramping up SESAR Deployment Manager
- 2014 CEF Calls for Transport **proposal finalised**



- Initial draft **Deployment Programme** released

- Results are published of 18 completed SESAR demonstrations, highlighting **benefits that SESAR offers** at every stage of the flight



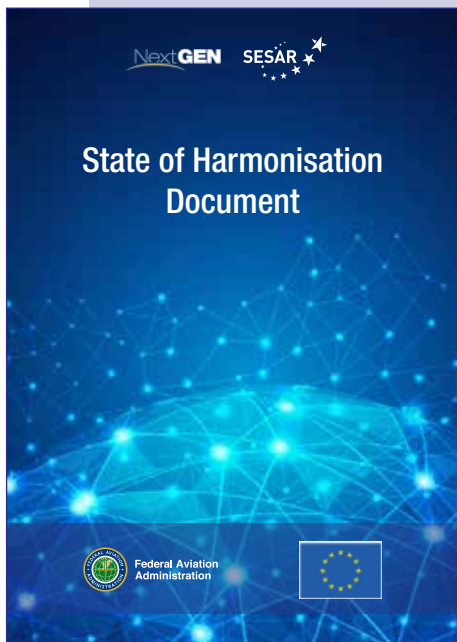
- **VDL Mode 2 Measurement, Analysis, Testing and Simulation Campaign** (also referred to as the ELSA Consortium study) launched by SESAR JU, upon request by the European Commission and in response to the EASA report

- The SESAR Joint Undertaking (SESAR JU) and the SESAR Deployment Manager (SESAR DM) sign, seal and deliver a **Memorandum of Understanding** during the World ATM Congress 2015 in Madrid



- Launch of **first SESAR 2020 call for exploratory research projects**, focusing on ATM excellent science and outreach and ATM applications-oriented research

- Publication of **NextGen-SESAR State of Harmonisation**, providing a high-level summary of the current state of progress towards achieving harmonisation and interoperability between the two R&D programmes



- Projects developing enhanced surface guidance, collaborative airport planning, initial 4D (i4D) trajectory management win **2015 SESAR Project Awards**



- The SESAR Deployment Manager deliver a first warm welcome to all deployment stakeholders at the **Welcome Event**

APRIL - JUNE

- SESAR JU member, LfV, inaugurates the world's **first Remote Tower Services** in Sundsvall, serving Örnsköldsvik airport over 150 km away



- Draft Deployment Programme made available for **consultation**

- SESAR Deployment Manager kicks off **first Stakeholder Consultation platform**



- **SESAR SWIM Master Class** kicks off, encouraging further take up of SWIM



- SESAR Deployment Manager delivers **final draft Deployment Programme** amounting to EUR 3 billion



- **SESAR SWIM Registry goes live**, providing over 500 users with access to information on SWIM services and applications, as well as reference material

- **EDA and SESAR Deployment Manager** seal cooperation



JULY - SEPTEMBER

- **VDL Mode 2 Capacity and Performance Analysis completed**, identifying the time horizon by when VDL Mode 2 will have reached its operational limits
- **318 million euro co-funding**
2014 CEF Calls for Transport awards for deployment European ATM modernisation



- SESAR Deployment Manager signs **Memorandum of Understanding with National Supervisory Authorities**

- SESAR Solution workshop in Paris showcases **extended arrival management (E-AMAN)**



- **Deployment Programme 2015**, agreed by the European Commission, delivered.



OCTOBER - DECEMBER

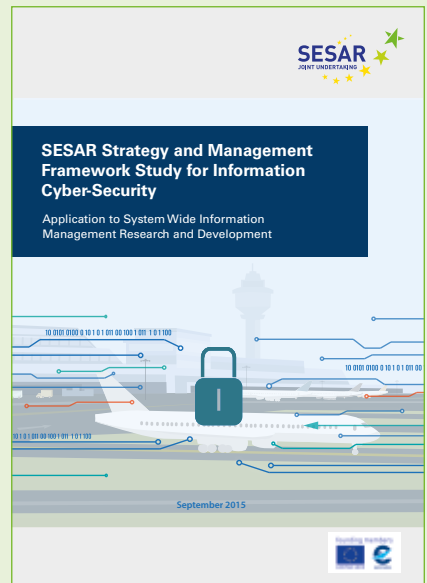
- Commissioner Violeta Bulc gives **thumbs up for SESAR**, with visit to SESAR Joint Undertaking and SESAR Deployment Manager premises



- SESAR partners successfully conduct a **live flight trial by an unmanned aircraft** in controlled and unsegregated airspace - a major milestone in aviation history

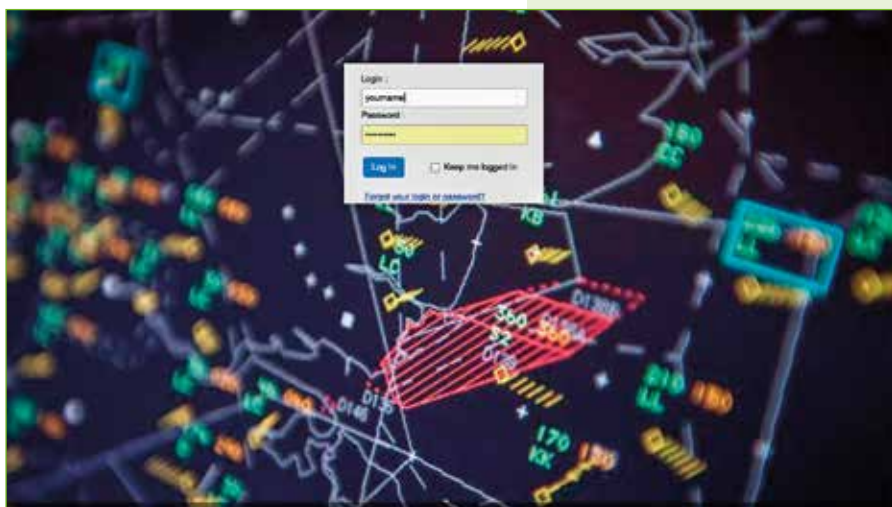
- SESAR Deployment Manager surveyed the European ATM industry on their intentions to submit Pilot Common Project related projects in the Transport Calls for Proposals 2015, conclusion: **stakeholders are ready to invest in ATM modernisation**

- Cyber-security study is published by the SESAR JU detailing a roadmap for increasing the maturity of **cyber-security** and cyber-resilience processes within the R&I programme



- EU support for better ATM project given green light: **Deployment Programme 2015** (updated version) available

- Launch of **'STAR'**: the cooperative coordination, synchronization and the main tool for stakeholders to interact with the SESAR Deployment Manager for action execution



- Floris Herrema wins **2015 Young Scientist Award** for master's thesis "Compression on final approach and Time Based Separation (TBS) for optimized runway delivery" at TU Delft



- SESAR JU publishes call to its candidate members for proposals for Wave 1 of industrial research, validation and large scale demonstration activities under the umbrella of the **EU's Horizon 2020 programme**

- **The Clean Sky and SESAR JUs sign a Memorandum of Cooperation (MoC)** in order to foster closer links between the two research and innovation (R&I) programmes



- Publication of **2015 edition of the European ATM Master Plan**, offering further boost to Europe's aviation industry



- SWIM solutions in the areas of civil-military collaborative decision-making and enhanced meteorological information provision receive top prizes at the **2015 SESAR SWIM Master Class Awards**



COMING UP IN 2016

January - March

- SESAR Joint Undertaking renews membership
- SESAR exploratory research projects get started
- Initial draft of the Deployment Programme 2016
- Submission of 3 SESAR Clusters CEF Call 2015 to INEA

April - June

- SESAR SWIM Global Demonstration Event (8-9 June, Rome)
- SESAR Showcase, A conference and exhibition of SESAR 1 Results (14-16 June, Amsterdam)
- Final draft of the Deployment Programme 2016

July -September

- SESAR 2020 industrial projects get started
- Deployment Programme 2016 sent for approval to the European Commission

October - December

- Signing of the awarded CEF Call 2015 Implementing Projects
- 2016 SESAR Innovation Days



Contact

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www.sesar.eu

The word "SESAR" is written in a bold, white, sans-serif font. It is surrounded by a cluster of yellow stars of varying sizes, which are a reference to the European Union flag. The background of the entire image is a dark blue globe with a network of white lines representing flight paths or data connections.

SESAR

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