Discover how SESAR is helping to make way for the Single European Sky

ABOUT SESAR JU

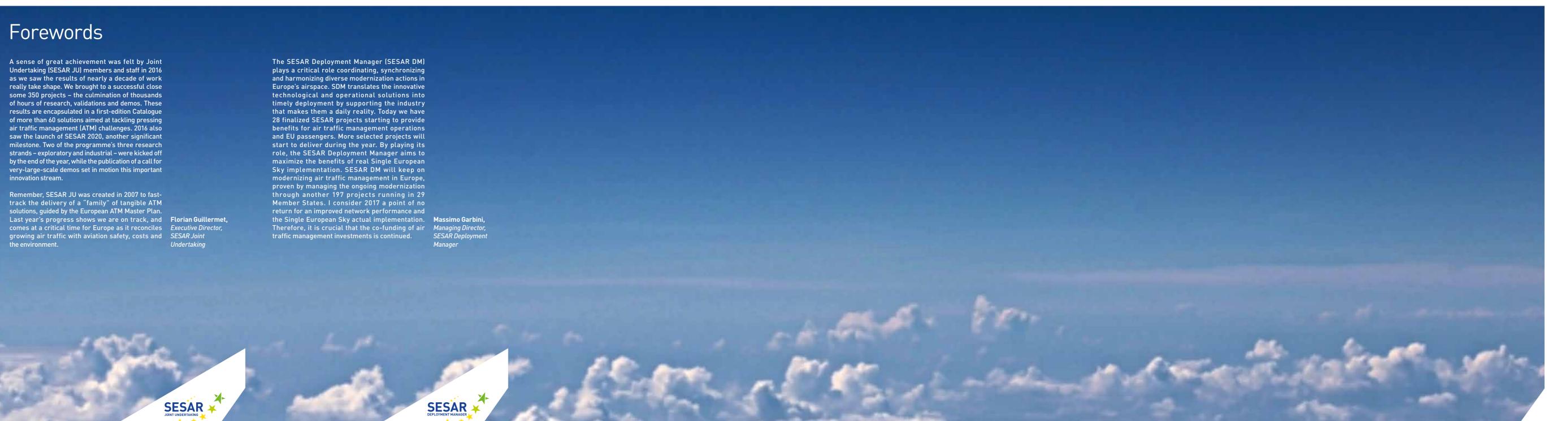
As the technological pillar of the The SESAR Deployment Manager Single European Sky initiative, SESAR (SESAR DM) coordinates the aims to modernise and harmonise air upgrading of Europe's air traffic traffic management in Europe. The management infrastructure. The SESAR Joint Undertaking (SESAR main task of the SESAR DM is to JU) was established in 2007 as a develop, propose and maintain the public-private partnership to support Deployment Programme of SESAR this endeavour. It does so by pooling concepts and technologies and the knowledge and resources of ensure efficient synchronisation the entire ATM community in order and overall coordination of to define, research, develop and implementation projects and related validate innovative technological and investments. The tasks of the operational solutions. The SESAR JU Deployment Manager are specified is also responsible for the execution in Article 9 of European Commission of the European ATM Master Plan Implementing Regulation (EU) No which defines the EU priorities 409/2013. The SESAR Deployment for R&D and implementation. Manager is a partnership of leading Founded by the European Union and airlines, airports and air navigation Eurocontrol, the SESAR JU has 19 service providers - the managers members, who together with their and users of Europe's airspace. partners and affiliate associations They are committed to the principle represent over 100 companies of the Single European Sky and to working in Europe and beyond. deploying the technologies that will The SESAR JU also works closely deliver it in order to create customer with staff associations, regulators, and environmental efficiencies. airport operators and the scientific

ABOUT SESAR DM

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community.









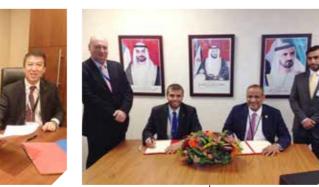


















> Signature

Memorandum of

Understanding







COMING UP IN 2017

> SESAR JU completes first

R&I programme and delivers Solutions Catalogue

- > SESAR DM: The "Data Link Services Recovery Plan" was referred to as a priority in the CEF Transport Call 2016
- > Official launch of SESAR 2020
- research activities
 - agreements were signed for a total of EURO 525 million projects Council resolution on the to modernise the European

Master Plan

> SESAR 2020 launched latest

across Europe starts

2014

the synchronised deployment of

OCTOBER / NOVEMBER / DECEMBER

APRIL / MAY / JUNE

JANUARY / FEBRUARY / MARCH

VDL Mode 2 Capacity & Performance Study by when this Data Link technology would reach its operational limits in Europe

innovation > Implementation of Memoranda of Understanding with all the **Manufacturers** having expressed their interest to cooperate with SESAR DM

> SESAR 2020 renewed membership announced, bringing 19 entities togethe to work on air traffic management (ATM) research and

> Release 3&4 Results published, detailing the latest delivery o SESAR Solutions

First-ever flight trial carried out using Iris Precursor, using enhanced satellite communications for air traffic Data Link

SESAR DM and

European Investment Bank joined forces in support of the Single European Sky initiative > SESAR DM and European Organisation for Civil Aviation Equipment signed memorandum

of cooperation.

> SESAR DM: 2015 CEF Transport Calls, 3 SESAR Clusters successfully submitted

> First SESAR 2020 exploratory research

programme

launched, 28 projects earmarked to receive EUR 20.4 million under EU's Horizon 2020 research and innovation (R&I)

Global demonstration of SESAR's System-Wide Information

Management (SWIM) tool in Rome, showcasing seamless and connected interregional aviation

information exchange

SESAR Showcase event gathered over 500 participants

to mark closure of

first-wave SESAR

R&I activities

implementation

> First edition of **SESAR** Solutions Catalogue published; an inventory of over 60 Solutions delivered to aviation community for

> SESAR participated to the TEN-T days ir Rotterdam to discuss

the development of the Trans-Europear Transport Network

Horizon 2020

Consultation on Deployment Programme in fu > Call launched for exploratory research projects to integrate drones into civil airspace; EUR 9 million earmarked under EU's

related to Data Link

technology.

and alternatives to the

JULY / AUGUST / SEPTEMBER

> Second **VDL** Mode 2 Study (or **ELSA)** published: recommendations on how to address performance issues SESAR JU and European Space Agency signed Mo0 on satellite-based communications for Europe's air transport

> SESAR DM delivered the "Data Link Services Implementation Strategy towards Initial Trajectory Information Plan" Sharing"

> SESAR DM: Several meetings were held with the Communication Service Providers SITA and ARINC get their view on the DLS Implementation

> SESAR DM delivered the "Data Link Services Recovery

United Arab Emirates' General Civil Aviation **Authority** and SESAR JU signed MoC to improve overall ATM

efficiency, optimising air traffic capacity and minimising delays

> Eurocontrol renewed support for SESAR R&I activities within SESAR 2020 framework.

> SESAR DM and FAA established an Action Plan promoting global interoperability with respect to deployment, followed by technical workshops on

implementation

Programme 2016 **delivered** to the European Commission

> SESAR DM: High Level "SWIM Action Plan" delivered

> Memorandum of Understanding between the SESAR DM and **Boeing** was

Datalink and SWIM

vehicles can be safely integrated into civil

> > SESAR JU and European Aviation Safety Agency signed MoC for collaborating on SESAR 2020

projects published;

showing how these

feasibility tests

> 25 projects earmarked to receive around EUR 260 million by SESAR members and Horizon 2020 for **first-wave** SESAR 2020 industrial research and largescale validation tests/

actions

> SESAR DM: Three > Drone demonstration grant agreements were signed for a total of EURO 525 million projects to modernise the European airspace

> > SESAR Drone Outlook Study published, providing a snapshot of the drone landscape in 2050 and how new

markets will unfold

> SESAR Phase 1 R&I activities formally closed; 350 projects 20 000 hours of work, delivering over 60 SESAR Solutions

> SESAR-NextGen State

of Harmonisation

Report published

reflecting current

to harmonise and

modernise trans-

Atlantic ATM, and

Civil Aviation

support International

and planned EU-US

collaboration efforts

> The "Data Link Open call for Services Recovery exploratory research Plan" was referred to and very-large scale as a priority in the CEF demonstration projects Transport Call 2016 launched with EUR 28 million budget

> SESAR DM was appointed as Data Link implementation project manager

between the SESAR > SESAR DM spoke at DM and Airbus SAS the 2nd EU Aeronautics European decision-

Organisation's Global Air Navigation Plan and Conference in Aviation System Block the indispensable dialogue between the Upgrade programme makers and the high-level industrial stakeholders in order to prepare the future of the European

aeronautics industry

> Launch of next wave of SESAR 2020 exploratory research and largescale demonstration

projects

> Pilot Common Project

> Launch of **European** > The coordination of ATM Master Plan the application to the update (end of 2017) future call 2017

> Update of regulatory and standardisation

> Elaboration of the Data Link Services Programme

SESAR: What's on the

> SESAR DM: Three grant

airspace

2015

edition of the European ATM Master Plan published

Establishment of the SESAR

Delivery of a first set of SESAR Solutions by SJU for deployment

endorsement of the European ATM

Undertaking for coordinating and concentrating all relevant ATM > Wide-scale deployment of SESAR research and development efforts in the EU. The SJU has a current mandate until 2024.

Establishment of the SESAR Joint

Deployment Manager to coordinate Establishment of SESAR as the technological pillar of the Single European Sky (SES)