



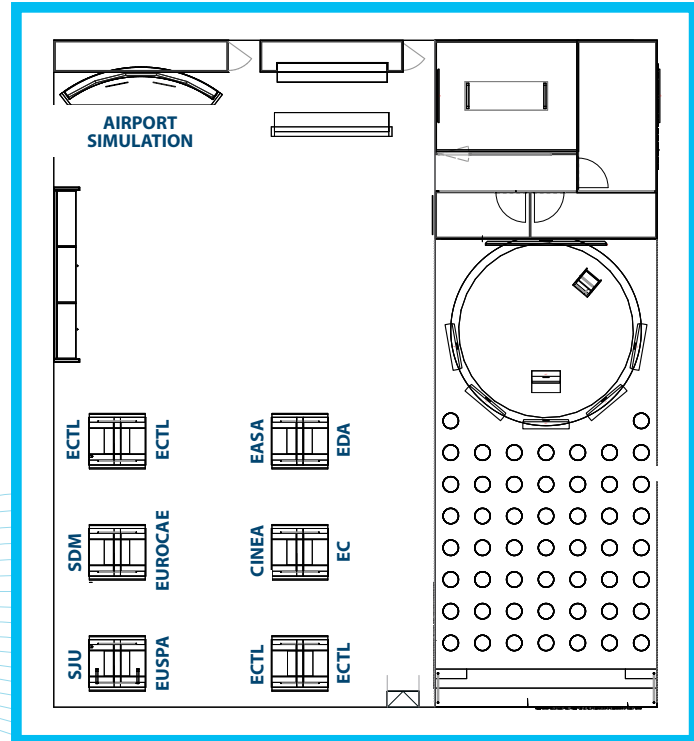
Airspace World  
8-10 March 2023,  
Geneva

# EUROPE FOR AVIATION

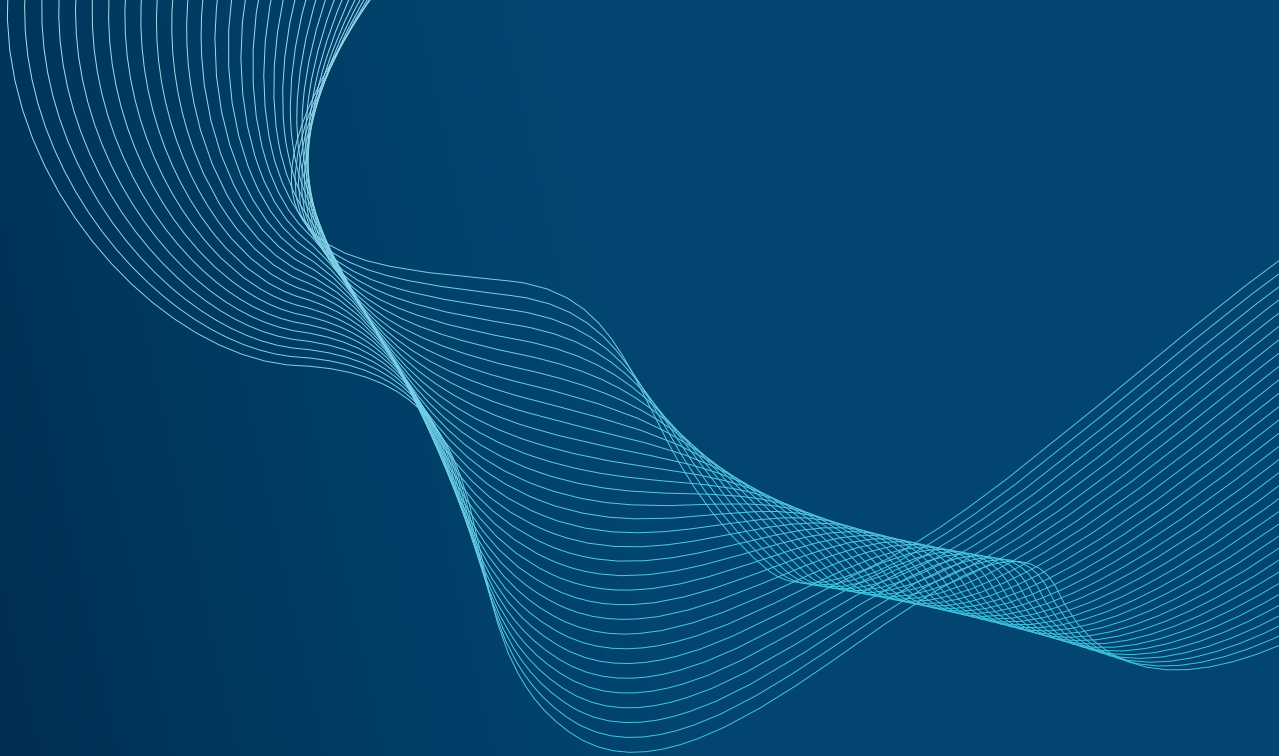
## THEATRE PROGRAMME

# EXHIBITION FLOOR PLAN & EUROPE FOR AVIATION STAND LAYOUT

#H22







**EUROPE FOR AVIATION**  
THEATRE PROGRAMME

# DAY 1 - WEDNESDAY, 8 MARCH 2023

## 10:15 - 10:45 **iNM – EUROCONTROL'S NM DIGITAL TRANSFORMATION**

The EUROCONTROL Network Manager (NM) has embarked on a digital transformation journey to replace its core legacy systems which have successfully ensured flow and network management for over 25 years. The long-term success of the ten-year iNM programme relies on more than system replacement, it requires a successful cultural transformation strategy by all partners. This session is a great opportunity for you to interact with the major players of the iNM Programme as they explain how they collectively partner to drive the digital transformation from a technical and cultural point of view.

*Moderator:*

Christine Most, iNM Change Manager, EUROCONTROL

*Speakers:*

Tony Licu, Head of the Digital Transformation Office, EUROCONTROL

Sil De Gang, iNM Programme Manager, EUROCONTROL

Jorge Mínguez Cortés, iNM Programme Deputy Director, INDRA

Tafoor Raja, iNM Programme Client Executive Partner, ATOS

## 10:45 - 11:15 **ARGOS: TAKING ATM TO THE NEXT LEVEL WITH AUTOMATION**

By 2030, when air traffic will have increased by potentially more than 20% compared to today, MUAC's ambition is to safely handle that traffic with the same number of controllers as currently. In order to achieve this objective, automation is key. Controllers should focus on the real, challenging work, do what they are best at, and leave the routine work to the machine. In this context, MUAC's automation strategy contains two objectives: automated decision-making and execution support in complex tactical scenarios; and a fully automated separation assurance in basic tactical scenarios. This session will showcase the key role that will be played by ATC Real Ground-breaking Operational System (ARGOS) in achieving these objectives and explain how this will work in practice.

*Speakers:*

Peter Hendrickx, Head of ATM Development, ARGOS Project Manager, EUROCONTROL MUAC

11:30 - 12:30

## PANEL DEBATE DECARBONISING AVIATION: MAKING NET ZERO POSSIBLE

Following an introductory speech, during which Salvatore Sciacchitano will provide the ICAO perspective on aviation sustainability, Henrik Hololei will address the EU initiatives with reference to the 'Fit for 55' package and present his views on sustainable aviation. His intervention will be followed by a panel introduced by Raúl Medina and focused on how we can harvest the 10% excess emission from inefficient navigation, from an ATM research, deployment and operations perspective.

**11:30** [Introductory speech](#) by Salvatore Sciacchitano, President of the ICAO Council

**11:35** [Interview](#) of Henrik Hololei, Director-General for Mobility and Transport, European Commission by Eamonn Brennan

**12:00** [Panel introduction](#) by Raúl Medina, Director General, EUROCONTROL

**12:05** [Panel](#) moderated by Andrew Charlton on contributions to sustainability through:

- research with Andreas Boschen, Executive Director, SESAR 3 Joint Undertaking
- deployment with Mariagrazia La Piscopia, Executive Director, SESAR Deployment Manager
- operations with Iacopo Prissinotti, Director Network Management, EUROCONTROL

12:30 - 13:30

# OFFICIAL STAND OPENING & RECEPTION

## 13:45 - 14:15 **PAVING THE WAY FOR ATM EVOLUTION: EASA SPECIFICATIONS**

With Opinion No 01-2023, EASA has proposed to streamline the certification of ATM/ANS equipment, paving the way for a much-needed evolution of ATM technology in Europe. The driving principle is the essential need to have a single and mutually recognised attestation of compliance of ATM/ANS equipment. This will enable a functional and efficient EU market for this equipment. The new framework also recognises the essential role and responsibility of the manufacturing industry in bringing solutions to the market that are fit for purpose and meet the required level of operational performance. The detailed specifications enabling the attestation will be produced in the coming months (Subtask 3 of the RMT.0161). These are the key to unlocking all the aimed benefits of the new framework. EASA is engaging with industry at large to develop their content and will publicly consult them in Q2 this year.

*Moderator:*

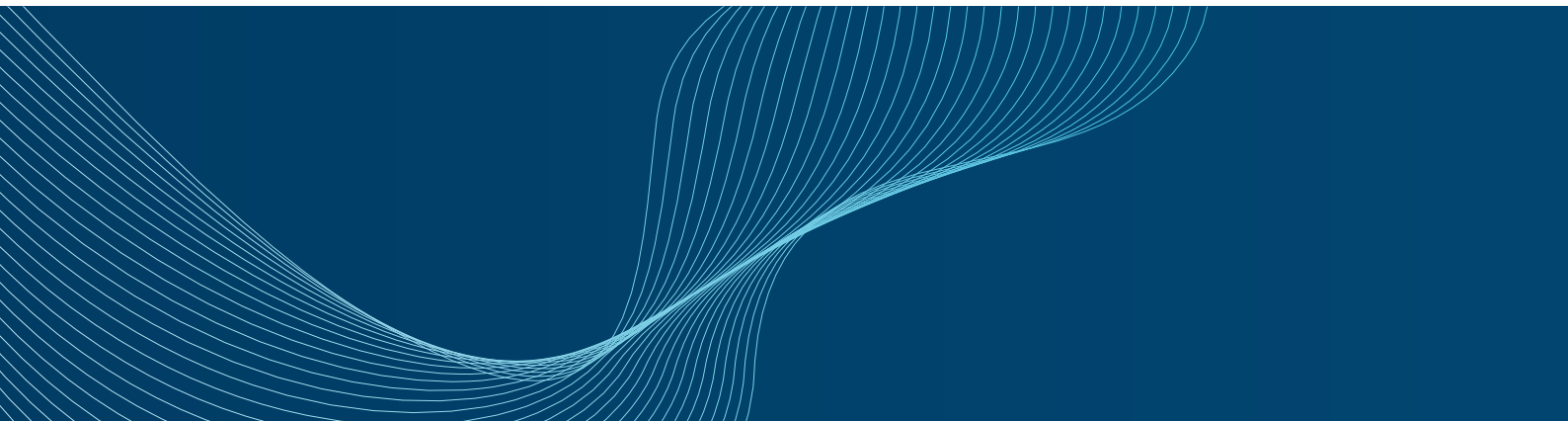
**Manuel Rivas Vila**, ATM Oversight Section Manager, EASA

*Speakers:*

**Gerald Caffrey**, Technical Director, Irish Aviation Authority (IAA)

**Michael Holzbauer**, Director European Affairs and ATM Programmes, FREQUENTIS

**Alex Milns**, Technical Programme Manager, EUROCAE



14:30 - 15:30

## PANEL DEBATE

### FUTURE AIR-GROUND CONNECTIVITY TO SUPPORT AVIATION:

### HOW TO AVOID A PREDICTED CRUNCH AND MAKE AVIATION FIT FOR THE DIGITAL FUTURE?

This panel will propose a policy discussion on one of the most important upcoming decisions related to CNS deployment, focused on communication. It will include an exchange of views on the strategic aspects (economic, safety, security, global interoperability, market design, impact on the environment, incentives, civil-military cooperation) to be considered when rolling out the future connectivity infrastructure to support aviation applications (ATC, AIS, airline operations and aircraft autonomy).

*Moderator:*

**Christine Berg**, Deputy Director Aviation, DG MOVE, European Commission

*Speakers:*

- **Setting the scene – the capacity issue**

**Iacopo Prissinotti**, Director Network Management, EUROCONTROL

- **Panel discussion on interoperable long-term solutions:  
How do we get out of the communication crunch?**

**Andreas Boschen**, Executive Director, SESAR 3 JU

**Jussi Myllärniemi**, Principal Advisor ATM to the Executive Director, EASA

**Christophe Vivier**, Head of the SES Unit, EDA

**Anna von Groote**, Director General, EUROCAE

- **Panel discussion on operations/service provision: How do we get there?**

**Mariagrazia La Piscopia**, Executive Director, SESAR DM

**Charlotte Neyret**, CEO ESSP

**Hugh McConelogue**, Director Airports, Ground Handling and Navigation Delivery, easyJet

**Jörg Pikolin**, Head of ATM Development & Regulatory Affairs Flight Operations, Lufthansa Group



15:45 - 16:15

## THE ADVENT OF AI IN AVIATION AND ATM: EXPLORING THE MILITARY AND CIVIL DIMENSIONS

With the advent of the emerging fourth industrial revolution, AI is poised to play a major role in the aviation industry. The integration of AI into air traffic management, military air operations, crewed and uncrewed aircraft has the potential to revolutionise the way we fly and operate today. AI can improve air traffic flow, reduce risk and increase safety by analysing vast amounts of data, providing real-time traffic updates, and predicting potential issues. In military air operations, among others, AI can aid in decision-making, enhance situational awareness, and support in real-time decision-making, leading to more efficient and effective missions. In addition, AI can play a critical role in drone operations by improving safety and reliability, while also supporting regulatory compliance. By leveraging the power of AI, we can achieve a safer, more efficient, and more regulated aviation industry.

*Moderator:*

João Caetano, Project Officer UAS Programmes, EDA

*Speakers:*

Hannes Alparslan, Project Officer Aviation Cybersecurity, EDA

Stephen Hanson, Aerospace Planning and Security, Aerospace Capabilities Defence Investment Division, NATO

Paul Bosman, Head of the ATM Infrastructure Division, EUROCONTROL

Athanassios Tziolas, Head of Department Air Traffic, EASA

16:30 – 17:30

## PANEL DEBATE

### IMPLEMENTING THE EUROPEAN DRONE STRATEGY 2.0: ADAPTING AIRSPACE CAPABILITIES

With the applicability of the U-space framework and the publication of the related “Acceptable Means of Compliance and Guidance Material”, the conditions are set to enable to start of a harmonised rollout of U-space across Europe. After an introduction on the Drone Strategy 2.0 by Eamonn Brennan, the panel will focus on airspace integration, and the actions needed to ensure that U-space establishes itself as an open and efficient system in a competitive environment, enabling the full realisation of the objectives set in the Drone Strategy 2.0.

*Moderator:*

Eamonn Brennan

*Speakers:*

**Joachim Lücking**, Head of the Aviation Safety Unit, DG MOVE, European Commission

**Benoît Curdy**, Head of Strategy & Innovation, Federal Office of Civil Aviation (FOCA), Switzerland

**Jan-Eric Putze**, CEO, Droniq

**Patrick Amar**, Head of Drones Programme, EUROCONTROL

**Christophe Vivier**, Head of the Single European Sky, EDA

**17:45 - 18:15**

## **SPACE FOR DRONES**

2023 started with high expectations for the UAS sector: the EC published the Drone Strategy 2.0, the new EU rules on dedicated airspace for drones (U-space) entered into force and the UAM deployment is moving forward from R&D to industrial operations. This growing market relies on robust navigation and position information, as well as precise mission planning of the involved aerial vehicles, manned and unmanned, to ensure the safety of their operations. This round table will introduce the contribution of the EU space services to meet the needs of these users, becoming “game-changers” for the UAS sector, enabling a harmonised U-space deployment and leveraging the UAM ecosystem. The speakers will discuss the role of EU navigation systems (Galileo and EGNOS) within the provision of U-space services that will guarantee the authenticity of UAS position and the information at the origin. In addition, they will target the role of Earth Observation and Copernicus to support UAM ecosystem, flight planning and risk assessment.

*Moderator:*

**Ernesto Llorente**, Galileo Market Development Expert, Aviation & Drones, EUSPA

*Speakers:*

**Robin Garrity**, Senior External Affairs Officer, SESAR 3 JU

**Munish Khurana**, Business Development Manager, EUROCONTROL

**José Manuel Álvarez**, Service Development Manager & Head of Innovation, ESSP-SAS

**Alberto Mennella**, Innovation Manager, TopView

**José Ignacio Rodríguez**, Operations and Business Development Manager, Bluenest (powered by Globalvia)

# DAY 2 - THURSDAY, 9 MARCH 2023

## 09:45 - 10:15 EUROPEAN ATCO LICENSING AND TRAINING: SHARED VISION TOWARDS THE FUTURE SCHEME

Air traffic controllers (ATCOs) are at the heart of the ATM/ANS system. For 15 years EASA has been the European regulatory in charge of the establishment of the ATCO licensing and training scheme. The Agency aims to secure the necessary update of the European ATCO licensing scheme, making use of various and wide stakeholder consultation platforms to define future policies. In this context, EASA has also established a high-level steering group to provide guidance on the related regulatory developments on a strategic level, which will also advice the Agency for the successful incorporation of a recently launched study on the ATCO fatigue into the European ATCO Training and Licensing Scheme. This session offers the opportunity to listen to and interact with some of the key stakeholders involved.

*Moderator:*

Jussi Myllärniemi, Principal Advisor ATM to the Executive Director, EASA

*Speakers:*

Peter Kearney, CEO, Irish Aviation Authority (IAA)

Marc Baumgartner, ATCO, IFATCA representative

Olivia Nuñez, ATM Expert, SESAR 3 JU

Christophe Vivier, Head of the Single European Sky, EDA

## 10:15 - 10:45 SUMMER 2023: NETWORK CHALLENGES

Looking ahead to the challenges expected in the European ATM Network for the Summer Season 2023 – with supporting information on how the various stakeholders can help, and early proposals for mitigations. There will also be a small ending portion on the New Ops Centre and proposed scenario for transition.

*Speaker:*

Steven Moore, Head of the ATM Network Operations Division, EUROCONTROL

## FABEC THEATRE

10:00-10:25

20 years of performance-oriented approach  
for ATM in Europe – a success story?

Marinus de Jong, Chairman of the PRC



**11:00 - 12:00**

## **PANEL DEBATE**

### **CIVIL-MILITARY COLLABORATION: LET'S BE INNOVATIVE AND MORE AMBITIOUS!**

The “new normal” in the EU stemming from Russia’s unprovoked and unjustified military aggression against Ukraine together with the need to reform ATM in Europe in order to cope with sustained air traffic growth and operations under the safest, most cost and flight-efficient and environmentally friendly conditions, has demonstrated a clear need for a change of mindset among all civil and military stakeholders. The requirement is to be innovative and more ambitious in terms of collaboration. The panel will discuss the possible actions in the operational, regulatory and technology domains that would allow civil and military aviation to reap the full benefits of the air domain, including airspace capacity.

#### *Moderators:*

**Christophe Vivier**, Head of the Single European Sky, EDA

**Jorge Pereira**, Head of CNS Coordination Unit, EUROCONTROL

#### *Speakers:*

**Athanassios Tziolas**, Head of Department Air Traffic, EASA

**Erich Klock**, Head of Strategy and Technical Execution, SESAR Deployment Manager

**Igor Kuren**, Military ATM expert, CMC Division, EUROCONTROL

**Stephen Hanson**, Aerospace Planning and Security, Aerospace Capabilities Defence Investment Division, NATO

**Vicente de Frutos Cristóbal**, Project Officer SESAR implementation, EDA

**Robin Garrity**, Senior External Affairs Officer, SESAR 3 JU

**12:15 - 12:45**

## **FUTURE & LONG-TERM COMMUNICATION INFRASTRUCTURE**

The demand for air/ground communication is steadily increasing. The increase is driven by the airborne /airline (AOC) communication needs of modern airframes with today’s flight efficiency requirements together with modern air traffic management applications like Controller Pilot Datalink Communication. At the same time, the commonly used current air/ground link (VDL mode 2) seems to come to its capacity limitations.

In this session, experts will address the following questions:

What is driving the data demand increase for airlines? What benefits will new air traffic control applications bring to the air traffic controller and the airlines? How will we address the expected capacity crunch and the future communication demands? What is available from R&D perspective and what is the deployment scenario?

*Moderator:*

**Thomas Körber**, Transversal Expert, SESAR DM

*Speakers:*

**Jörg Pikolin**, Head of Group ATM Development, Capt. A320, Lufthansa Group

**Viktor Jagasits**, ATCO and Datalink expert, EUROCONTROL MUAC

**Ruben Flohr**, ATM Expert, architecture & systems engineering, SESAR3 JU

**Jacky Pouzet**, Head of Communication and Frequency Coordination, EUROCONTROL

**13:00 - 13:45**

## **PANEL DEBATE**

### **DRIVING INNOVATION IN AVIATION**

The aim of this session is to discuss how to foster innovation in aviation and to accelerate the process through collaboration. The panel will also explore trends, success and failure stories.

*Moderator:*

**Laurent Renou**, Head of Air Transport Innovation, EUROCONTROL

*Speakers:*

**Andreas Boschen**, Executive Director, SESAR 3 JU

**Kat Morse**, Senior Manager Innovation, IATA

**Emanuele Calà**, Vice President, Innovation & Quality, Aeroporti di Roma S.p.A

**Niels Lokman**, Chief Operating Officer, EUROCONTROL MUAC

14:00 - 14:30

# BUILDING A PARTNERSHIP FOR ATS COMMON DATALINK SERVICES

Mariagrazia La Piscopia, Executive Director, SESAR Deployment Manager

John Santurbano, Director Maastricht Upper Area Control Centre, EUROCONTROL

Geoffroy Ville, Deputy Director Strategy and Resources, DSN

**Followed by a reception on  
the DSN Stand #F25**



**14:45 - 16:00**

## **PANEL DEBATE** **CP1 IS DELIVERING**

The functionalities included in the EU Common Project One (CP1) Regulation increase the levels of automation, cyber-secure data sharing and connectivity in ATM, providing a safer, more efficient and sustainable ATM environment. Prominent examples of projects coordinated by SESAR Deployment Manager (SDM) will be provided by the operational stakeholders participating in this panel, bringing efficiency to European ATM, in the context of the SESAR deployment. The panel will also highlight overall safety and operational improvements, in addition to financial benefits brought by SESAR common projects under the coordination of SDM.

### *Moderator:*

**Ralph Schwarzendahl**, Head of Performance & CBA,  
SESAR Deployment Manager

### *Speakers:*

**Marco de Sciscio**, SESAR Team Leader, DG MOVE, European Commission

**Bryan Jolly**, Senior ATM/ANS Expert, EASA

**Patrick Souchu**, Programme Director SESAR, DSNA France

**Razvan Bucuroiu**, Head of the Network Strategy and Development Division,  
EUROCONTROL

**Jörg Pikolin**, Head of ATM Development & Regulatory Affairs, Lufthansa

**Jean-Marc Flon**, Director Air Operations Safety and Development  
Department, Compliance Monitoring Manager, Aéroport de Paris

## **16:10 - 16:40**    **TRAJECTORY BASED OPERATIONS**

In Europe, the rollout of Trajectory Based Operations (TBO) has started. The new TBO flight plan, the eFPL, is already in use in the European network. The aim of this session is to provide an overview of the concepts that underpin TBO, and the evolution from the old paradigm based on a filed flight plan, which cannot be changed, and tactical ATC interventions during the flight. The session will also give an update on the joint work between the EUROCONTROL Network Manager, SESAR Deployment Manager (SDM) and SESAR 3 Joint Undertaking on the Network 4D Trajectory CONOPS, including the ATC-ATC exchanges evolution work in this context, and the latest evolutions related to FF-ICE implementation.

### *Speakers:*

**Olivia Nuñez**, ATM Expert, SESAR 3 JU

**Razvan Bucuroiu**, Head of the Network Strategy and Development Division, EUROCONTROL

**Magnus Mølbæk**, AF5 SWIM Expert, SESAR DM

## **16:45 - 17:30**    **SPACE OPERATIONS AND ATM**

Space operations are increasing with new traffic comprising commercial and military air transport operations at higher altitudes, suborbital flights, launchers and re-entry of space objects.

The panel will discuss the evolving needs of these new entrants at higher altitudes, the challenges of safely accommodating them, of evolving space services such as CNS as well as the regulation required to embrace these new vehicles. The panel will also cover the implications for the EU Space Programme. This session complements the overview provided by the session on Higher Airspace Operations - on 9 March at 13:00 in the Wing Theatre.

*Moderator:* **Carmen Aguilera**, Head of section Operational Market Development and critical applications, EUSPA

### *Speakers:*

**Olivia Nuñez**, ATM Expert, SESAR 3 JU

**Steven Moore**, Head of the ATM Network Operations Division, EUROCONTROL

**Nathalie Le Cam**, New Air Mobility and Space, EASA

**Xabier Mendaza**, CNS Service Evolution Manager, ESSP-SAS

**Vicente de Frutos Cristóbal**, Project Officer SESAR Implementation, EDA



# DAY 3 - FRIDAY, 10 MARCH 2023

**09:45 - 10:45**

## **SAFE OPERATION OF VTOL AND UAS IN URBAN ENVIRONMENT**

In this session, the panel will address Advanced/Innovative Air Mobility (A/IAM), a new air transportation system made possible by innovative technologies applied to Unmanned Aircraft Systems (UAS), Vertical Take-Off and Landing (VTOL) aircraft, Vertiports and traffic management systems. Discussions will also focus on how the integration in the urban environment is making operation safe through airspace U-Space/UTM.

*Moderator:*

**Anna von Groote**, Director General, EUROCAE

*Speakers:*

**Munish Khurana**, Business Development Manager, EUROCONTROL

**Alain Siebert**, Chief Economist & Master Planning, SESAR 3 JU

**11:00 - 12:00**

## **AF6 INITIAL TRAJECTORY INFORMATION SHARING**

AF6 Initial Trajectory Information Sharing is mandated in the EU Common Project One (CP1) Regulation. To be considered as the first implementation step in Europe to move towards Trajectory Based Operations (TBO), it is necessary that airspace users, ANSPs and the Network Manager liaise and process the ADS-C/EPP data as part of ATS B2. This session will give an overview of the EU Regulatory Framework and explain the deployment approach proposed to the stakeholders through the SDP. It will also provide a vision of future ATS B2 applications currently under R&D and detail the work being done under the Operational Excellence Programme to support a harmonised implementation of an ADS-C Common Service. Finally, it will show the operational use of EPP and its operational benefits at MUAC airspace, where ADS-C/EPP has been operational since May 2022.

### *Speakers:*

Cristian Pradera, ATM Modernisation and Planning Coordinator, SESAR DM

Eivan Cerasi, Deputy Head of Standardisation, EUROCONTROL

Ruben Flohr, ATM Expert, architecture & systems engineering, SESAR 3 JU

Viktor Jagasits, Systems Monitoring and Revision Team Coordinator, EUROCONTROL MUAC

Noud De Lang, Programme Manager, EUROCONTROL EUROCONTROL MUAC

**12:15 - 13:00**

## **CAN LEGISLATION AND STANDARDISATION SUPPORT AVIATION BECOMING MORE CYBER RESILIENT?**

This session shall give an overview of the current status of cybersecurity legislation and standardisation for aviation. The panel will discuss the benefits, potential drawbacks and the impact these developments have on the affected organisations. In addition, the panellists will identify potential gaps, how they could be detected and how cybersecurity research could contribute to better results.

### *Moderator:*

Hannes Alparslan, Project Officer Aviation Cybersecurity, EDA

### *Speakers:*

Luca Capoferri, SESAR Coordination Officer, EASA

Kristof Lamont, ATM & Cybersecurity Expert, EUROCONTROL

Martin Strohmeier, Security Researcher, Swiss Cyber Defence Campus

**13:15 - 14:00**

## **REMOTE TOWERS: BENEFITS AND CHALLENGES**

The panel will bring together the perspectives of the regulator (EASA), a supplier (Frequentis) and an ANSP (HungaroControl) in remote tower implementations, highlighting the benefits available and some of the challenges encountered in delivering a remote tower service.

*Moderator:*

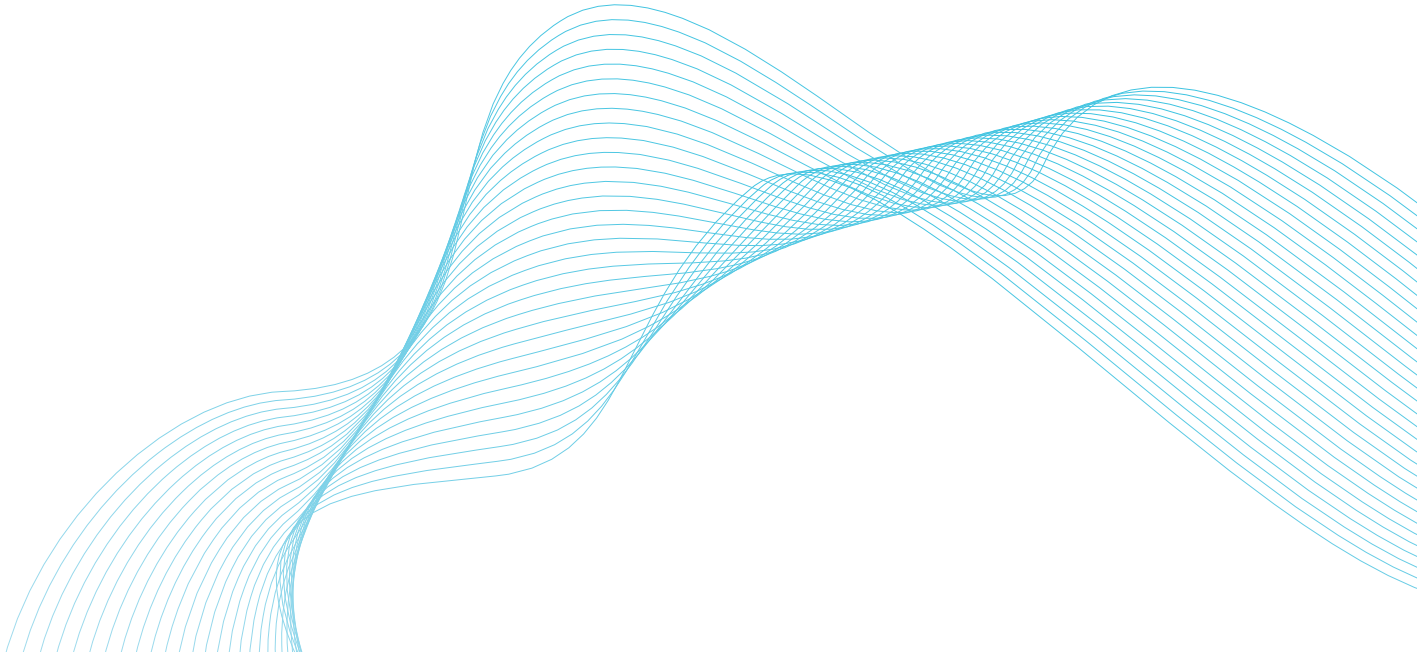
**Alex Milns**, Technical Programme Manager, EUROCAE

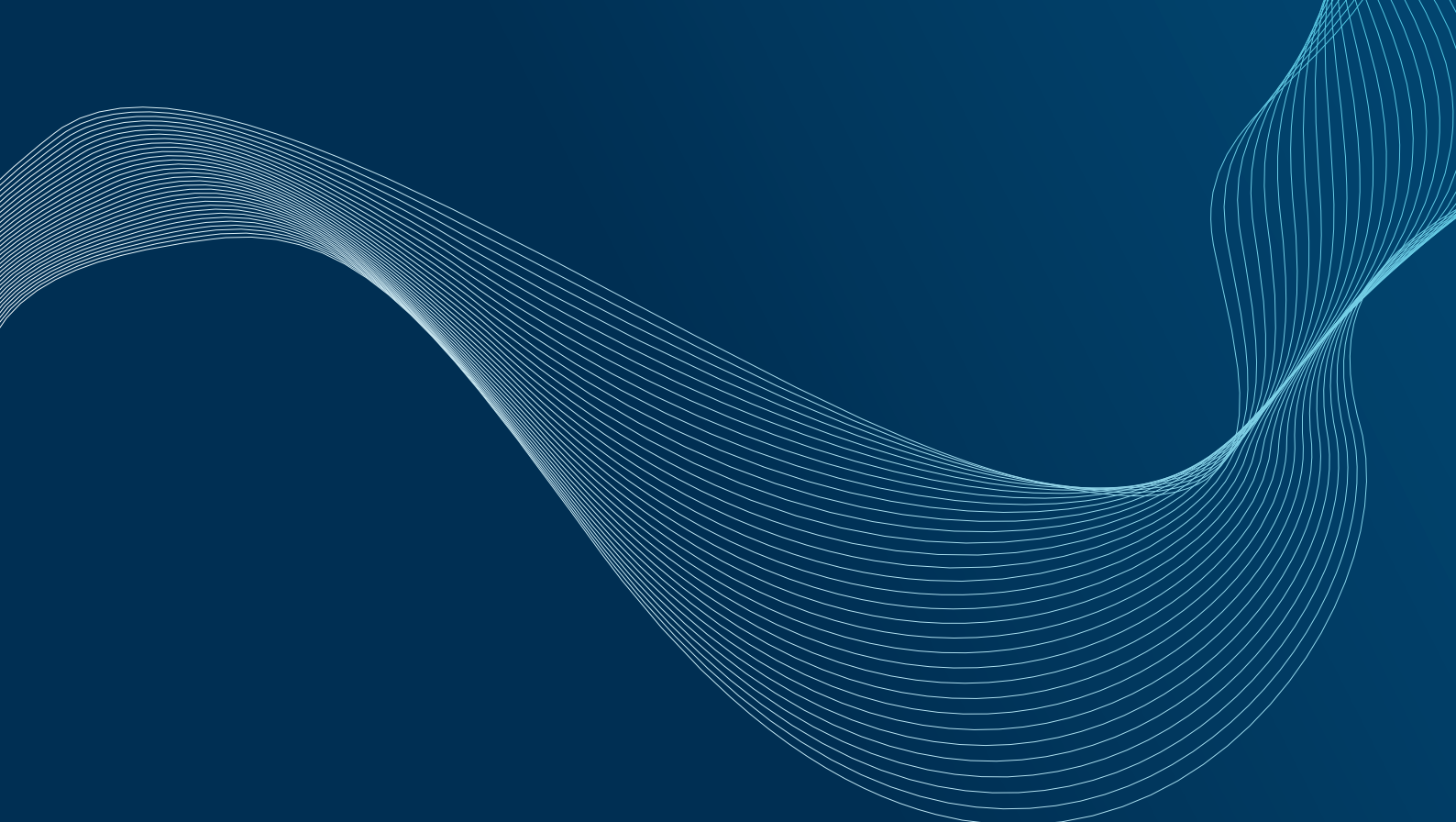
*Speakers:*

**Jussi Myllärniemi**, Principal Advisor ATM to the Executive Director, EASA

**Eric Wernsperger**, Senior Sales Manager Remote Tower Solutions, Frequentis

**Csaba Gergely**, Senior ATM Advisor, HungaroControl





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