



At the core of the Engage KTN is the definition of various thematic challenges: new ideas suggested by the research community, not already included within the scope of an existing SESAR project. They are developed along with the ATM concepts roadmap and complementarily with some of the network's PhDs and theses.

Thematic challenge 3

Efficient provision and use of meteorological information in ATM



2nd workshop programme

Edition 2.0, 01 November 2019

Workshop date: **05 November 2019**
Host: SESAR Joint Undertaking
Address: Avenue de Cortenbergh 100, 1000 Brussels, Belgium
Web details for access: <https://sesarju.eu/about-us/visiting-us>

Abstract

In this workshop we take forward the discussions of our first event, held at the SESAR JU premises in November 2018, and introduce the research now being supported by the SESAR KTN, Engage, through its newly-launched PhDs and catalyst fund projects. Our presentations start with the PhD presentations, offering time for discussions on problems and opportunities in this research, as well as remaining gaps. We then turn to the NM perspective and environmental advances, to pave the way for the description of newly funded catalyst projects. We conclude with a facilitated workshop, a key output of which will be how to integrate these early activities in the wider ATM innovation, and what the next steps ought to be.

Programme

(May be subject to further small changes)

0900-0930 Registration

SESSION 1 Introduction

0930-0945 ***Welcome and introduction to the programme***

Welcome by our hosts, SJU and the introduction to the SESAR KTN, Engage, and the day's programme

Dr Tatjana Bolic (University of Trieste), Luca Crecco (SESAR JU)

SESSION 2 MET and the Engage PhDs

0945-1015 ***A pilot/dispatcher support tool based on the enhanced provision of thunderstorm forecasts considering its inherent uncertainty ('STORMY')***

Prof Manuel Soler (UC3M)

1015-1045 ***Weather Impact on Flight Efficiency for Stockholm Arlanda Airport Arrivals***

Anastasia Lemetti (Linköping University)

1045-1100 ***EASA's Weather Information to Pilots Strategy Paper¹***

Christopher Tyson (EASA)

1100-1115 ***Discussion - problems and opportunities***

1115-1130 ***Coffee break***

¹ Tentative timing.

1130-1200 ***MET advances in the NM***
Rosalind Lapsley (EUROCONTROL)

1200-1230 ***Aviation environmental impact assessment***
Dr Sigrun Matthes (DLR)

1230-1330 ***Lunch***

SESSION 3 The Engage catalyst funded projects & industry perspectives

1330-1350 ***airport-sCAle seveRe weather nowcastinG project ('CARGO')***
Dr Riccardo Biondi (University of Padova)

1350-1410 ***Operational alert Products for ATM via SWIM ('OPAS')***
Dr Hugues Brenot (BIRA)

1410-1430 ***Probabilistic weather avoidance routes for medium-term storm avoidance ('PSA-Met')***
Prof Damian Rivas (University of Seville)

1430-1450 ***MET enhances ATFCM***
Kamel Rebaï (METSAFE) and Maxime Warnier (METSAFE)

1450-1510 ***Coffee break***

SESSION 4 Facilitated workshop

1510-1515 ***Introduction to the facilitated workshop***
Tatjana Bolic

1515-1615 ***Facilitated workshop***

- Problems and opportunities coming from catalyst funded projects.
- Further areas to address – en-route and airport.

1615-1645 ***Wrap-up, conclusions, wider next steps***
Tatjana Bolic, Luca Crecco

Request a booking

To request a place, please visit: engagektn.com/thematic-challenges



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