



*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



### **2<sup>nd</sup> workshop draft programme**

Edition 1.0, 29 August 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.

## Draft programme

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 ***Integrating weather prediction models into ATM planning***

Topic and speaker TBC

1045-1115 ***Discussion problems and opportunities***

1115-1130 ***Coffee break***

1130-1200 ***MET advances in the NM***

Rosalind Lapsley (EUROCONTROL)

1200-1230 ***Aviation environmental impact assessment***

Topic and speaker TBC

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***  
Topic and speaker TBC

1450-1510 ***Coffee break***

### **SESSION 4 Facilitated workshop**

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

1515-1615 ***Facilitated workshop***

Topic TBC

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](https://engagektn.com/thematic-challenges)



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