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

3rd workshop programme

Edition 1.0, 03 December 2020

Workshop date:	**27 January 2020, 09:30-16:30**
Host:	Engage KTN, virtual event
Further information:	engagektn.com/thematic-challenges

Abstract

The overall goal of this edition is to streamline the innovation pipeline in the area of efficient provision and use of meteorological/environmental information in the ATM. We start by presenting research results supported by the SESAR's KTN, Engage, through the catalyst funded projects and PhDs, aiming at discussion on finding the ways of bringing the valuable results to the higher TRL levels and foster the collaboration in this research area. The next step is the overview of the newly funded projects in the MET/ENV area, the progress in the European forecast provision, and finally the plans for MET/ENV research in the Strategic Research and Innovation Agenda of future Integrated ATM programme. The overall goal is to discuss and list the kind of information of tools would the climate change and the digitalisation of ATM require from MET/ENV-related research.

Programme

0930-0945 Welcome by SESAR Joint Undertaking and Engage KTN
Welcome by our hosts, SJU and the introduction to the SESAR KTN, Engage, and the day's programme
Dr Tatjana Bolic (University of Westminster), Luca Crecco (SESAR JU)

SESSION 1 Catalyst Funding Wave 1 results

0945-1015 ***Probabilistic weather avoidance routes for medium-term storm avoidance ('PSA-Met')***
Dr Antonio Franco Espin, (University of Seville)

1015-1045 ***airport-sCAle seveRe weather nowcastinG project ('CARGO')***
Dr Riccardo Biondi (University of Padova)

1045-1115 ***Operational alert Products for ATM via SWIM ('OPAS')***
Dr Hugues Brenot (BIRA)

1115-1130 ***Coffee break***

SESSION 2 Catalyst Funding Wave 2 and the Engage PhDs

1130-1210 ***MET enhanced ATFCM and WIPA***
Gladys Mercan (FRACS) and Kamel Rebaï (METSAFE)

1210-1230 **Metsis**
Dr Emmanuel Sunil (NLR)

1230-1245 **Engage PhDs**

"Integrating weather prediction models into ATM planning", Anastasia Lemetti (Linköping University)
"A pilot/dispatcher support tool based on the enhanced provision of thunderstorm forecasts considering its inherent uncertainty ('STORMY')", Eduardo Andrés (UC3M)

1245-1300 **ALARM project**
Prof Manuel Soler (UC3M)

1300-1400 ***Lunch***

SESSION 3 New developments for MET/ENV in ATM

1400-1415 **Integration of dynamic weather cells in collaborative ATFCM - ISOBAR project**
Marta Sánchez Cidoncha (CRIDA)

1415-1445 ***Discussion - Catalyst Funding results and how they can be further exploited***
Moderator: Dr Tatjana Bolic (University of Westminster)

1445-1500 **Overview, *synergies and possibilities for collaboration between new MET/ENV projects***
Luca Crecco (SESAR JU)

1500-1520 ***European weather forecast provision***
Rosalind Lapsley (EUROCONTROL)

1520-1535 ***New SRIA and MET/ENV***
Philippe Lenne (SESAR JU)

1535-1615 ***Discussion - information and tools from MET/ENV related research needed to address the climate change and the digitalisation of ATM***
Moderator: Luca Crecco (SESAR JU)

- Problems and opportunities in climate change and ATM digitalisation.
- MET/ENV performance assessment needs.

1615-1630 ***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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