



*ENV and MET SESAR exploratory research projects: key findings and solutions
workshop
Naples 6th July, 2022
Draft agenda*

As most of the H2020-SESAR-2019-2 projects will be completed by mid-2022, we are pleased to invite you to the event to be held on 6 July in Naples. The event will be hosted by the Parthenope University of Naples, coordinator of the CREATE project, and will take place at "Villa Doria D'Angri", <https://www.uniparthenope.it/ricerca-e-terza-missione/terza-missione/villa-doria-dangri-la-citta>, a neoclassical historical-artistic mansion, today the host of cultural and scientific events organized by the Parthenope University.

The speakers will present the results achieved by their exploratory research projects after almost two years of activities. It will be a public workshop intended as an opportunity to exchange experiences and stimulate new initiatives.

The event will be structured in two sessions:

Session 1: SESAR exploratory research projects key findings - let's enjoy the long-hanging fruits, shall we? SESAR environmental/meteorological projects have already outlined several solutions. The scientific community, but also airport authorities, local communities, policy makers and manufacturers can use these solutions to better understand the global and local impact of aviation on climate and environment, how these effects can be mitigated, and how it is possible to improve the resilience of the ATM system to the climate changes expected in the near future.

Session 2: The future of aviation in terms of air quality/meteorology management. New technologies and decision systems should be put in place to mitigate climate and environmental impacts. Working collectively towards solutions should not stop here and some insights to what the future might bring could help us in defining policy and research goals. A discussion among projects representatives will be held, and a document, summarizing lessons learned from projects and future perspectives, will be produced.

Agenda

Session 1 – 9:00-13:15

9:00-9:15 Welcome and opening session

The MET/ENV SESAR projects: key findings and solutions

9:15-9:40: CREATE - Innovative operations and climate and weather models to improve ATM resilience and reduce impacts

9:40-10:05: FlyATM4E - Flying Air Traffic Management for the benefit of environment and climate

10:05-10:30: ALARM - multi-hAzard monitoring and earLy wARning systeM



10:30-10:50: Q/A session on CREATE, FlyATM4E and ALARM projects

10:50-11:05 Coffee break

11:05-11:30: ISOBAR - Artificial Intelligence Solutions to Meteo-Based DCB Imbalances for Network Operations Planning

11:30-11:55: FMPMET - Meteorological uncertainty management for Flow Management Positions

11:55-12:20: SINOPTICA - Satellite-borne and IN-situ Observations to Predict The Initiation of Convection for ATM

12:20-12:45: DYNCAAT - Dynamic Configuration Adjustment in the TMA

12:45-13:15: Q/A session on ISOBAR, FMPMET, SINOPTICA and DYNCAAT projects

13:15-14:30 Lunch break

Session 2 – 14:30-16:00

Roundtable on synergies and exploitation. The MET/ENV SESAR projects: lessons learned and future perspectives. What are the needs of future aviation and how cutting-edge innovative research can help to achieve a greener, safer, and more efficient aviation overall? How MET/ENV SESAR projects can be further exploited? How key findings could be brought at a higher maturity level? What recommendations should be kept in mind in future projects?