

ASDA SEMINAR 2026

SIMULATION ENVIRONMENTS AND CHALLENGES FOR FUTURE ATM

WHEN

March 12-13 2026

WHAT

The seminar will bring together researchers, practitioners, and stakeholders to discuss the role of simulation in the evolution of Air Traffic Management (ATM). Facing increasing system complexity, advanced simulation environments are essential to support research, validation, and the assessment of future ATM concepts. The event will review the **state of the art in ATM simulation**, with a specific focus on the **modularity, integrability, interoperability and networking of simulation infrastructures** to enable distributed experimentation and collaborative research. Key challenges such as scalability, human-machine interaction, data integration, and validation of novel operational scenarios will be addressed. Organized by ASDA – Association for the Scientific Development of Air Traffic Management in Europe, and hosted by the University of Bologna, the seminar aims to foster knowledge exchange and strengthen collaboration within the European ATM research community.

WHERE

University of Bologna, Department of Industrial Engineering
Via Montaspro, 97, Forlì

FINAL PROGRAMME

Day 1—Thursday MARCH 12th

8:45 – 9:00 Welcoming of participants

9:00 – 9:30 Introduction to the seminar programme and objectives

9:30 – 11:00 STATE of the art of Simulation Environments and Networks for research in ATM

Mercury - open simulator—Tanja Bolic—University of Westminster (UK)

SESAR Project VISORS—Gianluca Corrado—CIRA (IT)

Federated Simulation within the ATLAS project—Jonas Spoor—Technische Universität Braunschweig (DE)

11:00 – 11:30 Coffee Break

11:30 – 13:00 Technologies for Simulation Environments and Networks for research in ATM

Towards interoperable simulation ecosystems for ATM research—Angel Martinez—CRIDA (ES)

Cutting Edge Technologies for Visual Displays and Simulation Solutions—Andrea Gimbo—ST Engineering Antycip (IT)

Industrial & Technological Challenges for ATM Simulation—Michele Mosciatti, Roberto Petrassi—Leonardo (IT)

13:00 – 14:00 Light Lunch

14:00 – 16:30 Lab Visits—Virtual Reality Lab and ENAV Academy

17:30 – 19:00 BAROQUE, Exhibition at [San Domenico Civic Museum, Forlì](#), Piazza Guido da Montefeltro, Forlì

19:30 Dinner hosted by ASDA at [Osteria del Ferrovicchio](#), Piazza Dante Alighieri, 22, Forlì

Day 2—Friday MARCH 13th

9:00-10:30 Challenges and Impact of Simulation Environments and Networks for research in ATM

SESAR Project ANTICIPATE—Miquel Angel Piera—Universitat Autònoma de Barcelona (ES)

Regulatory and Standardization Challenges of Simulation for Research in ATM – Giuseppe Contissa – Univ. of Bologna (IT)

Open Data for Aviation Research—Enrico Spinielli—EUROCONTROL (BE)

10:30 – 10:45 Coffee break

10:45 – 12.15 Open Debate, Conclusions and Closure of the Event

12.15 – 13.15 Light Lunch

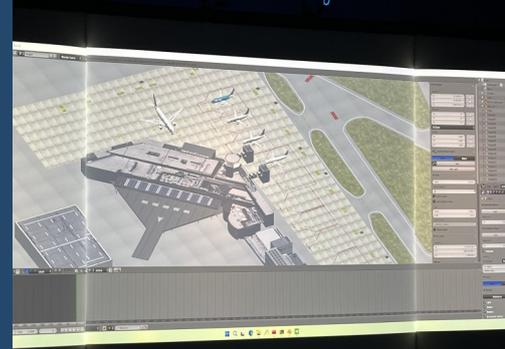
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ASDA
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Development of ATM in Europe