



From the DIALOG Lab



DIALOG is a SESAR project developing a digital assistant to support air traffic controllers through real-time intent recognition and workload monitoring. The goal is to improve Human-AI teamwork in increasingly complex and safety-critical contexts. We are working to ensure AI can act as a trusted teammate in the control room – not just a tool.

👉 Learn more about DIALOG and its mission on our [website](#) and follow us on [LinkedIn](#).

From data collection to early prototypes

In its first year, DIALOG finalized operational use cases and collected multimodal datasets (voice, eye tracking, heart rate) from initial trials. Based on this, the team defined user requirements and is now preparing the first prototypes of the Teamwork Assistant. These integrate the **Intent Inferring Service (IIS)** and the **Teammate Awareness Service (TAS)**, now entering a maturity assessment phase (September 2025 – January 2026). This milestone brings us closer to validation in operational environments.





In dialogue with experts – stories behind the project

At its core, DIALOG is about collaboration: between humans and AI, between organisations, and across disciplines. To reflect this, we have produced a series of short videos featuring the researchers and practitioners behind the project. These stories bring to life the people, expertise, and perspectives driving our work.

👉 [Watch the videos](#) on our website

Exploring AI in Aviation – Insights from EASA AI Days 2025



At the end of this summer, the **European Union Aviation Safety Agency (EASA)** hosted the **AI Days 2025** in Cologne, bringing together regulators, researchers, and industry leaders to shape the future of AI in aviation.

The event focused on pressing topics such as regulation, assurance, human-centred design, and operational applications. These discussions are crucial as aviation seeks to harness AI's potential while ensuring reliability, safety, and public trust. For DIALOG, the event is particularly relevant. Building trustworthy, human-centred AI is at the core of our mission. The Teamwork Assistant aims to support air traffic controllers in complex, safety-critical environments – directly aligned with the priorities discussed at AI Days.

👉 Curious about the event and its outcomes?
Explore more insights directly on the [EASA website](#).

DIALOG

Save the Date

SESAR Innovation Days (SIDs) 2025

1–4 December 2025 | Lake Bled, Slovenia
DIALOG will showcase early prototypes and connect with the ATM research community at this landmark event on exploratory research and collaboration.



DIALOG Advisory Board Meeting

In the coming months, we'll host our Advisory Board meeting — a key opportunity to review progress, validate prototypes, and gather expert input to guide the next phase of development. Stay tuned; we'll be sharing highlights and results with you.



Consortium



Radboud University



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