



Press release
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GreAT Project Concludes Successfully, Making Air Traffic Greener and Reducing Climate Impact

On 24th May 2023, the 'Greener Air Traffic Operations' (GreAT) project held its final event. The project has made significant strides in optimizing air traffic control practices and procedures to minimize environmental impact.

One of the major achievements of the project is the substantial reduction in emissions across various flight operations and maneuvers. GreAT has demonstrated significant savings, amounting to several percentage points, for aerodrome ground traffic, arriving and departing traffic, as well as cruising flights. These accomplishments are a testament to the project's commitment to making air travel more sustainable.

The international team has investigated various concepts and concept elements that enable or contribute to a greener air traffic management. This includes arrival and departure procedures at medium-size

and hub airports, taxi operations on the airport surface as well as en-route traffic management. These efforts have culminated in fast-time and real-time simulations, validating the effectiveness of GreAT's ideas.

After a successful project runtime of 42 months, GreAT came to a close in summer 2023. In a larger final event, which took place on 24th May 2023 at KLM Headquarter in Amsterdam, the consortium presented in-depth insights into their research findings and unveiled key concepts and proposals. DLR as well as HungaroControl supported by PildoLabs, took the stage to showcase new environmentally friendly yet efficient traffic management procedures for the terminal areas of medium-sized and hub airports.

The findings and concepts generated by GreAT will serve as valuable resources for the aviation industry, paving the way for a more sustainable and environmentally conscious future.

About GreAT

The Greener Air Traffic Operations (GreAT) project was an ambitious research and innovation initiative funded under the Horizon 2020 framework. Launched on 1st January 2020, GreAT aimed to reduce the impact of air



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transport on climate change by optimizing air traffic control practices and procedures.

The project was conducted by DLR (Germany), acting as project coordinator, HungaroControl – Hungarian Air Navigation Services (Hungary), Universidad Politécnica de Madrid (UPM, Spain), L-UP (France), Royal Dutch Airlines (Koninklijke Luchtvaart Maatschappij; KLM, Netherlands), the Italian Aerospace Research Centre (Centro Italiano Ricerche Aerospaziali; CIRA, Italy), and PildoLabs (Spain) on the European side. The GreAT project included coordinated activities with a consortium of six Chinese partners as well.

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