

## Project Overview

AEON is a SESAR JU funded project that aims at innovating airport ground operations with more environmentally friendly taxiing operations. AEON defines and validates a concept of operations for engine-off taxiing techniques, making use of novel technologies that are coming onto the market, such as Taxi Bots, E-Taxi and Single Engine Taxiing.

[Visit our website](#)

## Updates from the first six months of activity



### AEON Survey for Ground Professionals

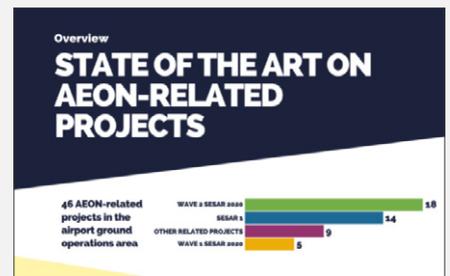
In February we launched a survey with the purpose of getting expert opinions on the main perks and drawbacks associated with the deployment of a number of green taxiing techniques analyzed within the project, such as the TaxiBots, the e-Taxi and the Single Engine Taxiing (SET).

[Go to the dashboard](#)

### State of the Art

The Consortium set the basis for the initial concept of taxiing operations by analyzing the literature on collaborative Human-Machine Interface (HMI), multi-agent path planning and the management of a fleet of electric towing vehicles. Further, AEON studied other SJU funded research projects on airport ground operations.

[Read the article](#)



### A Keystone to a sustainable green aviation!

Aviation is an integral part of any future transport ecosystem. It provides overall global mobility and is in many cases the only practical connection in a national and international context. AEON suggests the next steps towards a sustainable ground operations and how aviation stakeholders can collaborate to achieve this near to be reality!

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**“Climate action is also a massive opportunity for our economies. It creates new markets. It mobilises investment in new and transforming industries, and it unleashes innovation for a healthier and more prosperous future.”**

*President of the EU Commission  
Ursula von der Leyen, at the  
Global Leaders Summit.*

## Eyes on us



### SESAR JU E-news

Since AEON began, we have gained a lot of attention from stakeholders in the aviation sector. In January the SESAR JU, that founded the project in the framework of the SESAR exploratory research, focussed on AEON as project of the month in its e-News. AEON was then included for the second time in a row in the SJU e-news of February, when the Consortium launched a survey to gather the opinion of professionals in ground operations.

[Know more about our inclusion in the SJU e-news](#)

### ACI Europe – Taxi bots, drones, multimodality new SESAR innovations for airports in the pipeline

At the end of April 2021, the ACI Europe Airport business, the magazine of the Airport Council International, a non-profit organization representing more than 1,861 airports around the world, included the AEON project in one of its publications.

[Read the article on the ACI Europe Airport](#)



## Upcoming Events



### Advisory Board

The AEON Advisory Board (AB) consists of a group of external experts and stakeholders with noteworthy and recognized expertise in the field of solutions for greener ground operations at airports. It complements the expertise already included in the Consortium and acts as an independent consultation body. In particular, its role is to follow the activity of the project in order to review and steer the main project results, establish connections with other related initiatives and projects and share information from/to other relevant projects and/or initiatives. In the 6 months of activity, the cooperation with the AB was based on bilateral meetings with each of the members, while in September the first plenary workshop is awaited. It will serve to present the initial version of the concept of green taxiing operations and collect experts' opinions.

### CONOPS first issue

At the end of October, the Consortium is going to release four key documents: the preliminary version of the Concept of Operations for the integrated usage of the green taxiing solutions taken into account by AEON (D1.1), the Use cases (D3.1), the Description of the validation platform (D4.1), and the Solution validation plan (D5.1). These documents provide an essential description of the path that the AEON project will follow during the next year of activity. All the results expected for October are public and will be uploaded on the AEON website as soon as approved by the SJU.

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### ClimOP Workshop

ClimOP (Climate assessment of Innovative Mitigation strategies towards Operational improvements in aviation) is one of the projects related to AEON, with which we established promising synergies. The ClimOP project is an H2020 funded research project seeking to develop a mitigation strategy to decrease the climate impact of aviation, both in terms of CO<sub>2</sub> and non-CO<sub>2</sub> emissions. The project will arrange a public workshop in November 2021 to present the work made to develop a common air traffic scenario to compare the effectiveness and feasibility of the selected operational improvements. The AEON Project has been invited to attend and present its CONOPS. Stay tuned for further updates!

[Discover more about the ClimOP project](#)



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