

CONTEXT & AMBITIONS

The growth of the drone economy and the implementation of Urban Air Mobility require a new air traffic management framework for low-altitude operations. This framework, known as U-space, involves a range of digital and automated services aimed at providing safe, efficient, and secure access to airspace for a large number of drones. It will accommodate routine missions in any class of airspace and environment while ensuring compatibility with manned aviation and air traffic control. To achieve this vision, demonstrators will play a crucial role, bridging the gap between research and industrialization, and promoting market uptake.

In this context, ÉALÚ-AER's ambition is to demonstrate U-space architecture operations (U1 and U2 services) and the integration with ATM, establishing Ireland's first Digital Sky Demonstrator.

RELATED GLOBAL ACTIVITIES & PROJECTS

The project will coordinate with wider global activities carried out by EASA, CINEA and other European Agencies, ICAO, EUROCAE, ASTM, ISO, EUROCONTROL and other SESAR Digital Sky Demonstrators addressing U-space and urban air mobility such as U-ELCOM and BURDI.

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CONSORTIUM





START NOVEMBER 2022
END OCTOBER 2025

Social Acceptance Campaign



ÉALÚ-AER

Enhanced Automation for
U-Space/ATM integration


JOINT UNDERTAKING

 Funded by
the European Union

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SOCIAL ACCEPTANCE CAMPAIGN

The views and opinions of the general public play a significant role in determining the future growth and wider acceptance of new technologies and services. Therefore, it is essential to assess the confidence and acceptance of citizens and potential users to ensure the success of Urban Air Mobility (UAM).

To promote social acceptance, the following key steps are crucial:

- **Inform:** familiarize the public with the new technologies and services, providing transparent information about key concerns, potential risks, and possible mitigations.

- **Engage:** involve the public and potential users from an early stage, ensuring their needs and concerns are considered in the decision-making and development process.
- **Implement mitigations:** address any concerns or risks through practical measures aimed at preventing negative impacts on citizens and the environment

ÉALÚ-AER will perform a comprehensive study on the societal acceptance of UAM operations across Ireland, examining the attitudes, expectations and concerns of citizens with respect to UAM, new business models and technologies.



WHO ARE THE TARGET GROUPS?

We would like to collect the opinion of the following groups:



CITIZENS



INDUSTRY AND
COMMERCIAL USERS



LOCAL
AUTHORITIES



AVIATION
STAKEHOLDERS

WHICH INFORMATION DO WE NEED?

We would like to gather information on the following areas:

- General feelings toward drones and new UAM services
- Acceptance level toward different drone applications including freight delivery, emergency services, surveillance and monitoring, passenger transportation.
- Strategic needs for the Irish ecosystem
- Main issues and concerns

WHICH ACTIVITIES ARE WE GOING TO CARRY OUT?

- Workshops, focus groups and interviews with local and national stakeholders
- Extensive survey on the Irish population