



# EU Drone Days

**Launch of the  
European Drone Strategy 2.0**

**SESAR U-space Showcase**

**Brussels, 29-30 November 2022**



**#EUDroneDays**

# CONSORTIUM

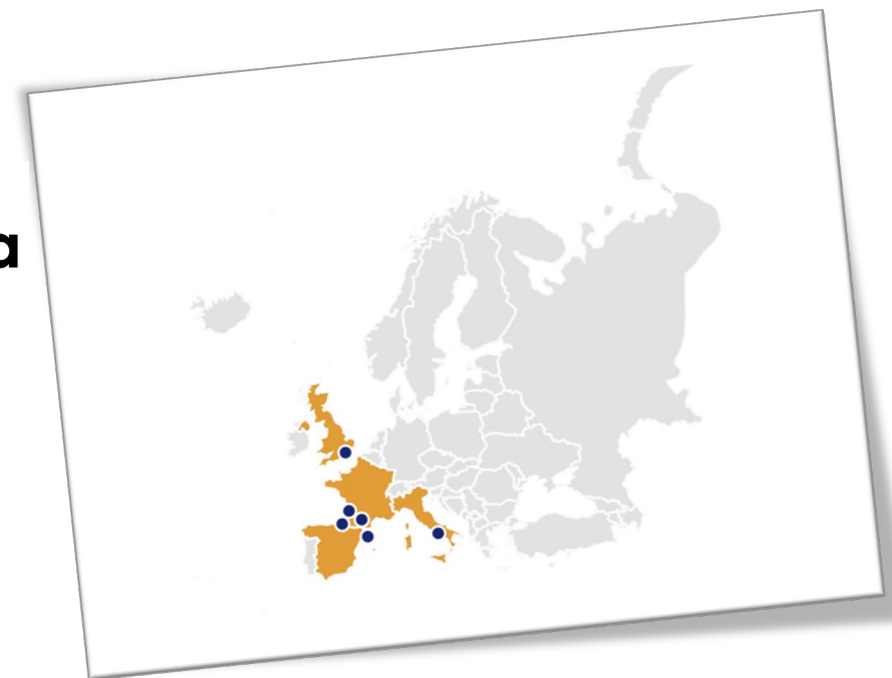
## Innovative companies



## Research institutes



## A Competitiveness Cluster



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# Objectives

- Develop a strategic and tactical deconfliction service for the resolution unexpected conflict
- Provide the infrastructure and capabilities to **enable a set of U-space Services** including conflict resolution;
- Use a **secure datalink** compliant with standards in development by EUROCAE and RTCA;
- Allow its usage in **different types** of unmanned and manned platforms

# Related tasks

- Assessment on safety and security
- Assessment on social acceptance

# A pioneering Very Large-scale Demonstration project

## 4 use cases



### Exercise 1

Autonomous drones flight management - within the same navigation corridor (medical + goods delivery)

### Exercise 2

Autonomous drones + eVTOL flight management: goods delivery + eVTOL with simulated passenger.

### Exercise 3

Autonomous drones + eVTOL + helicopter flight management: goods delivery, eVTOL air taxi and a manned medical transport helicopter

### Exercise 4

Deconfliction action involving an emergency landing.

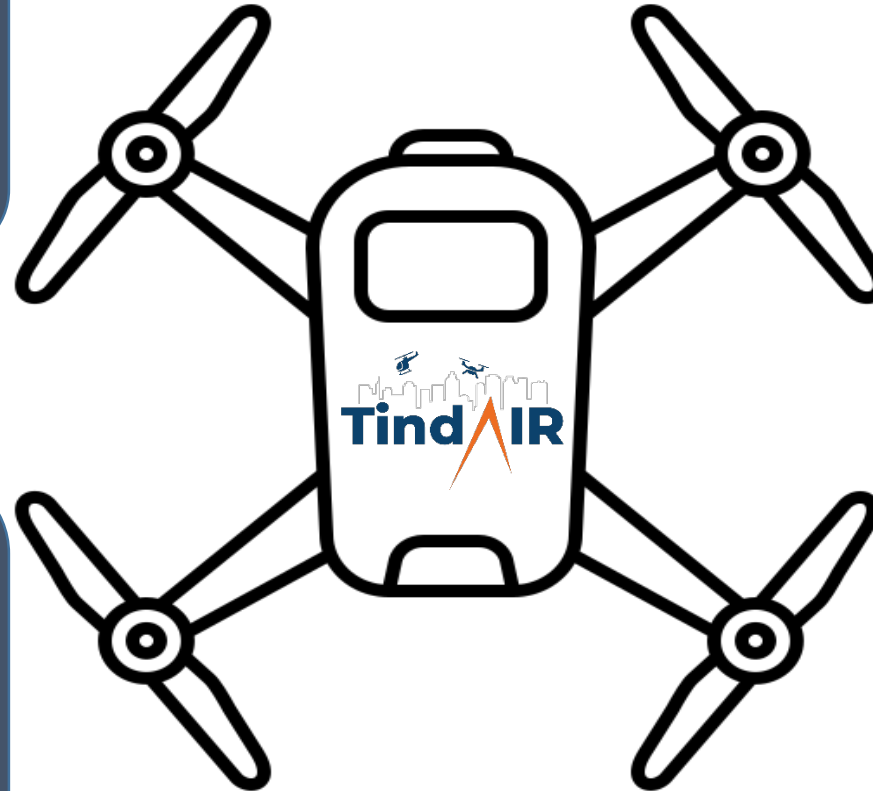
# Project's Results

## Flight demonstrations

- 4 VLD
- 4 Use cases
- 11 scenarios
- Interaction with manned aviation
- 5 types of deconfliction resolution
- Use of 8 U-space services

## Technical centralised solution

- Conflict resolution at strategic and tactical level
- Diverse manoeuvre considered: holding, rerouting, speed/altitude change, take-off delay)
- Diverse UAV platforms: Manned and Unmanned
- Flight monitoring
- Emergency management
- Use of the of DO362 standard



## Social acceptance activities

- Social acceptance survey
- Social acceptance interviews from our AB members
- Social acceptance WS

## Communication activities

- 1 open day + 5 demo days + 2 workshops
- LinkedIn 850+ subscribers / Twitter 270 followers / Website – 2.8k impressions, 81 visitors in the last 90 days
- 1 scientific publication
- Participation in 13 congresses and the UAM Explain initiative
- Participation in Eurocontrol WS

# CONTACT DETAILS



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