2019
World ATM Congress
SESAR walking tours

#PoweredBySESAR
DIODE [D-Flight Internet of Drones Environment] project born in response to the European Commission's "Connecting Europe Facility (CEF)" funding program.

**Objective:** contribute to the definition of the regulation to exploit the airspace up to 150 meters (AGL)

**Distinguished factors:**
- Simultaneity
- Real Life Missions
- Services Front Runner

2019 World ATM Congress
Project Overview

2 SESSIONS composed by 6 CONTEMPORARY MISSIONS with unmanned and manned flight INTEGRATION in the same area

Demonstration in a LIVE environment, CLOSE to an AIRPORT

Each mission pursuing a BUSINESS

VLOS and BVLOS Professional and Recreational
Different C2 equipment on board

2019 World ATM Congress
Technologies @work in operational missions

Several communication technologies experienced

Several stakeholders involved

Managing complexity

2019 World ATM Congress
U-space roll-out by

- **2019 (U1)**
- **2022 (U2)**
- **2027 (U3)**
- **2035 (U4)**

**U-Space Italian Roadmap**

**Tour 11**

**Foundation services**
- E-registration
- E-Identification
- Geo-fencing

**Initial services**
- Flight planning management
- Flight approval
- Tracking
- Airspace dynamic information
- Procedural interfaces ATC

**Enhanced services**
- Collaborative Interfaces ATC

**Full services**

**2019 World ATM Congress**
Conclusions

DIODE will demonstrate examples of real and practical exploitation of the U-Space services, in highly complex environment.

DIODE is a front runner in the effort of the development of the U-Space regulations.

DIODE distinguished factors: strong interaction between drones, demonstration activities will be executed in a real-life environment, evolution of the Italian roadmap for the U-Space services.

Thank you for your attention.

For more information:
visit us at diodeproject.eu
follow us on @diodeprojectSJU
contact us info@diodeproject.eu

2019 World ATM Congress