

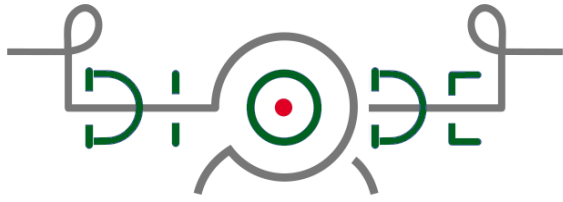


DIODE project

We straighten the paths.

 **D**-flight **I**nternet **O**f **D**rones **E**nvironment.





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

DIODE will contribute to the definition of the regulation to exploit the airspace up to 120 meters (400 feet).

DIODE project aims to demonstrate the capability to safely manage multiple drones flying at the same time to accomplish multiple tasks and missions.



2 SESSIONS with **SIMULTANEOUS, INTEGRATED, unmanned and manned flights, 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

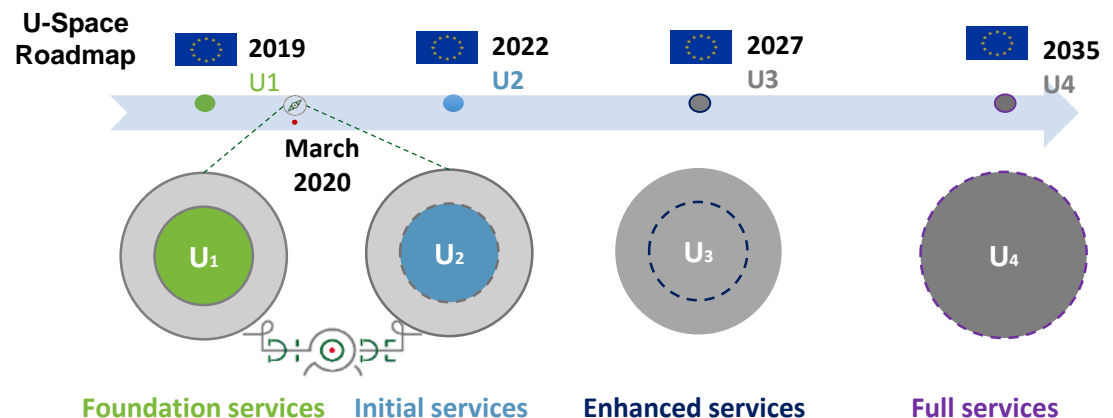


DIODE project, coordinated by ENAV, is carried out by a consortium of high-profile Italian companies

Their effort will make Italy a **front runner** in the process of the development of **U-Space** regulations and exploitation.

U-space

"**U-space** is a set of new services relying on a high level of digitalisation and automation of functions and specific procedures designed to support safe, efficient and secure access to airspace for large numbers of drones"

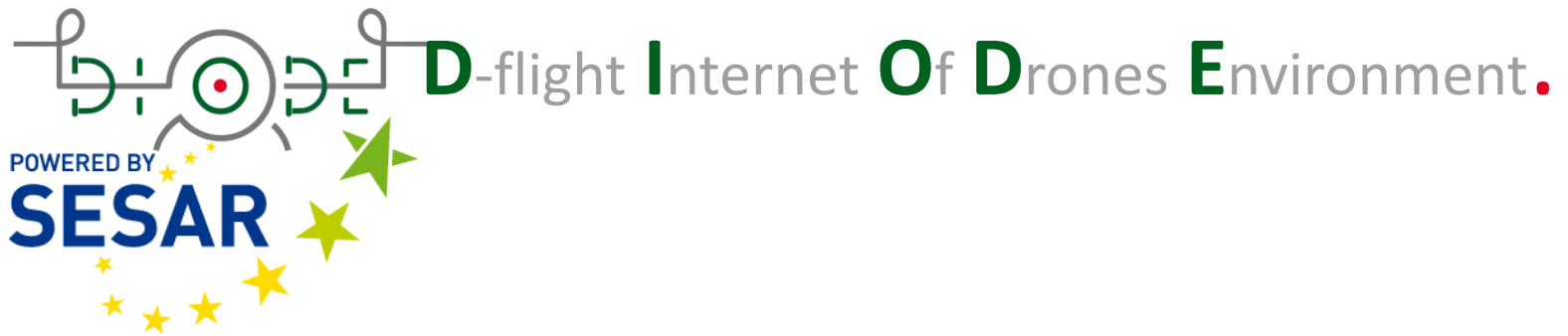


- **Precision agriculture:** health assessment of the plantations and estimation of its productivity, as well as for spreading out a biological treatment
- **Parcel Delivery:** delivery service of a parcel in emergency circumstances
- **Road Traffic Patrolling:** simulation of a routine surveys along a road runway, currently performed by the local police
- **Professional Photographer:** recording video of a wedding event
- **Railway survey:** survey on the railway infrastructure
- **Electrical asset survey:** performing seasonal survey of the electrical infrastructure



11 missions.

- **Archaeologist:** monitoring of the Monastery of Sant'Antonio al Monte and its famous cypress considered part of the so-called "Monumental Trees"
- **Search and Rescue:** simulation of SAR operations for an elderly person lost in the nearby lands for more than 48 hours
- **Airport Infrastructure Inspection:** flight of a drone into a small area inside the airport perimeter in order to verify the integrity of physical ATC (Airport Traffic Control) assets
- **General Aviation operations:** simulation of an emergency landing of a general aviation aircraft in the Rieti airport during drones operations in the same area
- **Leisure flight:** a private citizen flying his commercial drone for taking pictures of his house



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