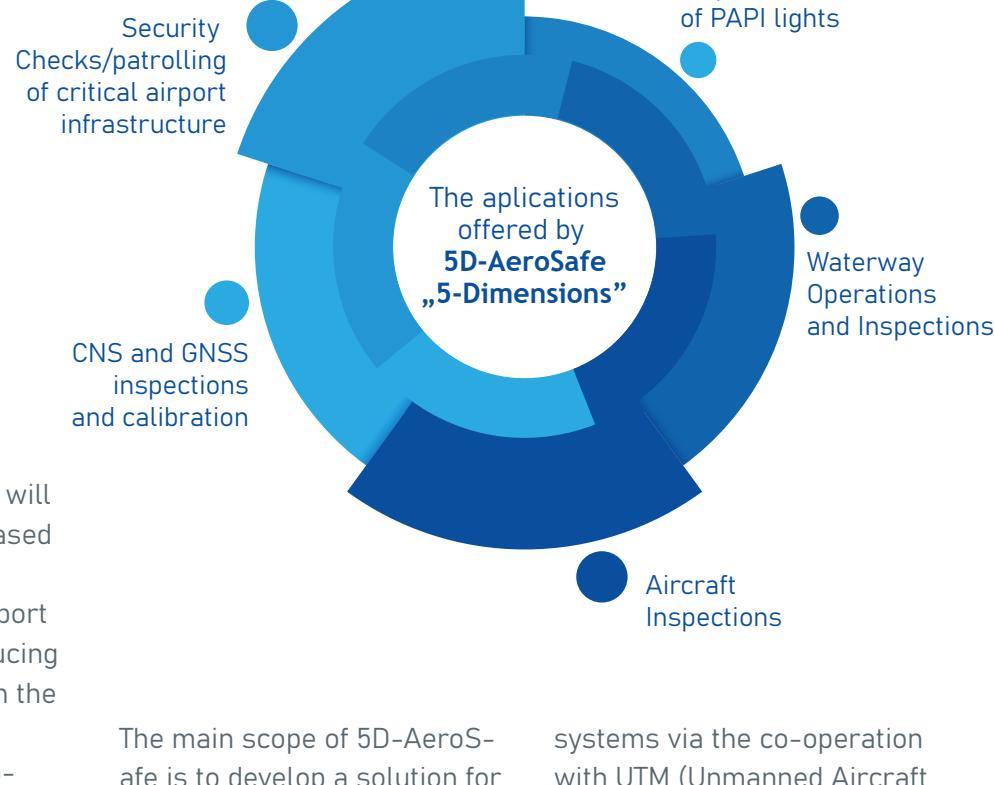


**01.**

The 5D-AeroSafe project will develop a set of drone-based services to increase the safety and security of airport and waterway, while reducing operational costs through the offering of five services, namely: CNS/GNSS equipment inspection and calibration, security checks in the airport perimeter and approaches, runways and taxiways inspections, aircraft inspections, waterways operation and inspections. The challenge is to integrate the flight of drones in restricted areas where they will co-exist with numerous commercial flights without increasing risks.



The main scope of 5D-AeroSafe is to develop a solution for the safe and efficient integration of UAS in airport and waterway daily operations, that will conduct flight inspections, safeguard airport restricted areas, inspect runways and taxiways.

This concept will allow the smooth operation and integration of UAS in Aerodrome ATM (Air Traffic Management)

systems via the co-operation with UTM (Unmanned Aircraft System Traffic Management) Systems, enhancing mutual situation awareness.

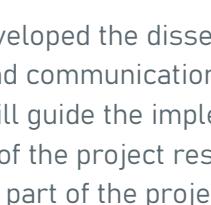
The UAVs will operate in an area where potential conflicts are numerous, so the 5D-AeroSafe system needs to take care about the safe integration with ATM and ground movements.

**02.**

At the beginning of November 2020 the consortium organised the first project's workshop (on-line due to COVID-19), to initiate discussions and allow the exchange of knowledge and experience, to validate the existing requirements, and possibly extract

new functional, non-functional, and/or user requirements. The workshop's aim was to initiate discussions, between the consortium and the newly compiled advisory board, on the regulatory framework concerning UAV operations, the envisioned

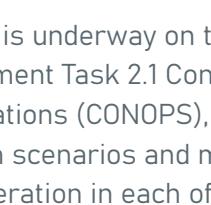
concept of operations, and the use cases, wherein the project outcomes will be assessed. This allowed the discovery of potential barriers or issues and ignited the extraction of new requirements for the project.

**03.**

We developed the dissemination and communication plan, that will guide the implementation of the project results during part of the project life time and the plan for communication that describes the development of the 5D-AeroSafe dissemination and communication strategy. Nowadays, when organizing events and conferences is limited and difficult, the plan is a valuable source of promotional activities

**04.**

November 2020 - Work on WP5 Core (UTM) Platform and Generic Ground Station Dev. has started, which is to end with the integration of the entire system – it consists of UAV, GCS, GGCS and UTM platform connected to airport ATM.

**05.**

Work is underway on the WP2 document Task 2.1 Concept of Operations (CONOPS), in which scenarios and methods of operation in each of them are developed