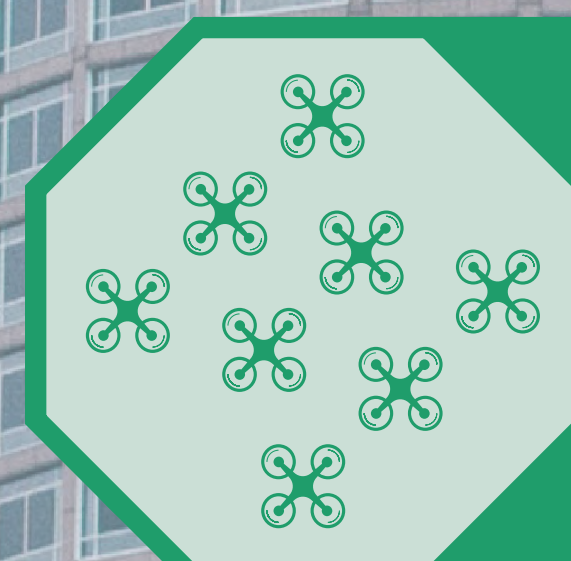
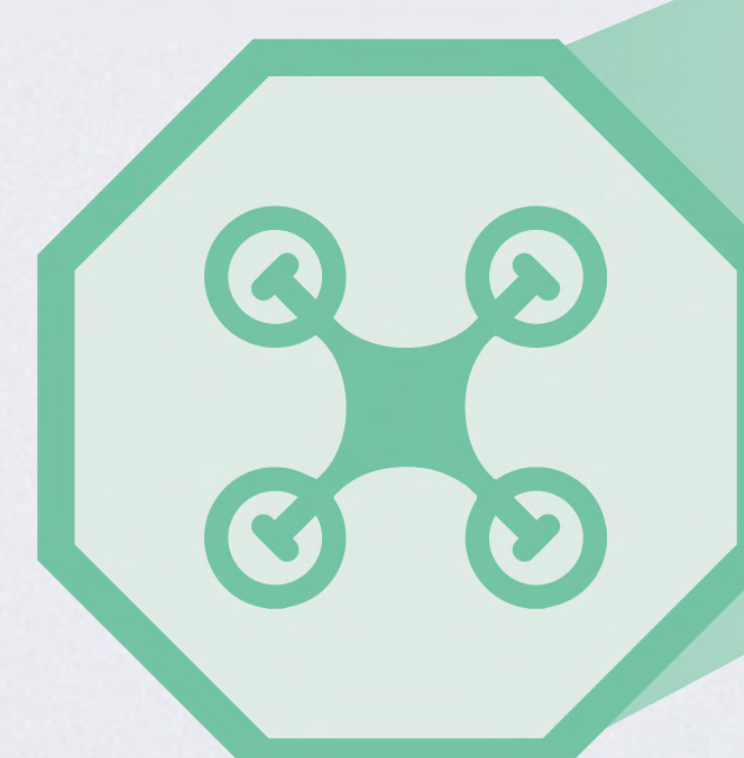


Fast Track

SPATIO

U-Space Separation Management

PROJECT DURATION:
September 2023 -
August 2026



SPATIO will integrate a **Dynamic Capacity Balance (DCB)** and a **Separation Management Service (SMS)** into a Strategic Conflict Resolution (SCR) service, thus determining the maximum number of operations in a given U-space airspace and improving the existing regulation.

SPATIO addresses tactical conflicts by developing two approaches in the implementation of the **Tactical Conflict Resolution (TCR)** service. In particular, the service will be developed considering that resolution instructions will be implemented both manually and automatically so that the separation minima provided by the SMS are always maintained.



According to the separation and capacity management needs, SPATIO will develop a **classification of U-space airspace**, considering services that should be implemented, regulatory and standardisation needs, as well as costs and benefits associated with the implementation of U-space services.

SPATIO solutions will enable safe and secure multiple Unmanned Aerial Systems operations while establishing and monitoring indicators for noise and visual impact on the population. Effectively communicating these results to the public will heighten citizens' awareness and foster **social acceptance** of U-space operations.

