

# HIGH ALTITUDE PSEUDO SATELLITES

RESEARCH STUDY | FIRST INSIGHT

This month, Frontex has started a new research study: "Research study on High Altitude Pseudo Satellites (HAPS)". Through this study, Frontex aims at contributing to developments in research and innovation relevant to its area of operations, to bridge the gap between technological and research advancements and the needs of the European Border and Coast Guard (EBCG).

The outcomes from the research would serve as a baseline to review and evaluate whether and how Frontex and the project stakeholders can utilise HAPS and maximise the solutions they provide. The research study is carried out in coordination with an external contractor. Throughout its duration, Frontex will regularly publish insights on the study.

## WHAT? - CONTEXT AND OBJECTIVES

The EU is aiming at strengthening its innovation capability and ensuring its global competitiveness. High Altitude Pseudo-Satellites (HAPS) are flying devices, closely mirroring the capacity and operability of satellites. While this technology is still in the early stages of development, it presents significant potential uses in the context of surveillance, internal security and border control. For this purpose, Frontex supported by the external contractor will carry out a research study on the HAPS market and an assessment of their use as capability enablers/multipliers.

## HOW? - APPROACH AND METHODOLOGY

In order to deliver these objectives, the research team will carry out four work packages:

- 1 Overview of the HAPS market
- 2 Specific assessment on HAPS and potential use cases
- 3 Fundamental rights impact assessment
- 4 Data sharing and dissemination

The research team will use a wide range of data collection and analysis tools across the work packages, including: desk research and literature review, benchmarking via SWOT analysis, market research, stakeholders consultations (interviews, workshops), fundamental rights checklist and data triangulation. The study insights will be published on Frontex website throughout its duration and presented in a webinar at its end.

## WHO? - STUDY STAKEHOLDERS



## WHEN? - PLANNING

The project was kicked-off officially on the

**24TH NOVEMBER 2022**

and will be closed the latest by the

**END OF SEPTEMBER 2023**

## QUESTIONS?

If you have any questions regarding this research study, you can contact Frontex at:

✉ [RESEARCH@FRONTEX.EUROPA.EU](mailto:RESEARCH@FRONTEX.EUROPA.EU)

