

**CLS (Collecte Localisation Satellites)**

[gfabritius@cls.fr](mailto:gfabritius@cls.fr) / Head, maritime Surveillance Unit / +33 633 269 949

## Targeted topics

|  |  |
|--|--|
| SU-BES02-2018-2019-2020 subtopic 1       | Technologies to enhance border and external security - subtopic 1: Providing integrated situational awareness and applying augmented reality to border security  |
| SU-BES02-2018-2019-2020 subtopic 6       | Technologies to enhance border and external security - subtopic 6: Open  |
| SU-BES03-EBCGA-2018-2019-2020 subtopic 1 | Demonstration of applied solutions to enhance border and external security - subtopic 1: Remotely piloted aircrafts & underwater autonomous platforms to be used from on-board offshore patrol vessels |
| SU-BES03-EBCGA-2018-2019-2020 subtopic 4 | Demonstration of applied solutions to enhance border and external security - subtopic 4: Open  |

# Competencies

- *Space & RPAS based data collection, fusion and analytics to provide unrivalled maritime situational awareness*
- *CLS involved since few years in FP6, FP7 and H2020 projects (EfficienSea 2.0 on-going & others, in other areas). Currently service provider of EU agencies (EMSA European Maritime Safety Agency and FRONTEX for instance), along the Copernicus Security services*
- *key data processing, unique data (ARGOS) for space-based IoT solutions to support law enforcement, Analytics on space-based and RPAS data to support law enforcement at sea (illegal immigration, illegal trafficking, etc.), SATCOM (Ka/Ku) and mission center for RPAS maritime surveillance missions*

## Project ideaS

- *Join a consortium wishing to offer a scalable secured back-end to run maritime surveillance mission (satellite and RPAS data) for classified operations, while possibly mutualized for non-classified needs among the EU Member States*
- *Propose a field-demonstration of existing capabilities*
- *Support on-going R&D for SATCOM (Ka/Ku) onboard long-range (but non military) RPAS assets (UAV & UAS) + ARGOS back-up*
- *Provide "New Space" paradigm and business models to support the use of Copernicus and new space data by a wider community of users, incl. for security and border control missions*