



## ADVANCED LOW FLYING AIRCRAFT DETECTION AND TRACKING

### MESSAGE FROM THE COORDINATOR

Four months have passed since our last newsletter and the ALFA project partners have been working towards the achievement their project objectives. Following are a few of their accomplishments:

- A **first version** of the **radar classifier development** was completed
- A **first version** of the **detection and tracking algorithm** was built and tested
- A **stand-alone GUI for the control station** was developed
- A **demonstration** of the **RF-detection capabilities** was performed

Besides the individual work, the partners came together for a **technical meeting** which took place in Madrid in November. Another highlight of the project was the **first ALFA workshop** which was held in Brussels on the 4<sup>th</sup> of December.

### NEWSLETTER December 2018 Issue 5

#### Consortium

9 partners (6 countries)

Project number: **700002**

Project website: [www.alfa-h2020.eu](http://www.alfa-h2020.eu)

#### Project Coordinator

Dr. Klaus-Michael KOCH  
coordination@alfa-h2020.eu

Project start: **1<sup>st</sup> January, 2017**

Duration: **3 years**

#### Technical Leader

Rob van HEIJSTER, MSc.  
rob.vanheijster@tno.nl

Total cost: **EUR 4,613.831,25**

EC contribution: **EUR 4,613.831,25**

# MESSAGE FROM THE TECHNICAL LEAD

From a technical perspective, the ALFA consortium faced a shift in its activities. The first half of the project has been centered around end user requirements, problem definition, concept development and the design and development of sub-systems. The second half of the project, which has now started, is strongly focused on integration, demonstration and system validation. For this last activity, ALFA is lucky to have both GC and GNR on board as valuable end-users.

During the last technical meeting the team has made firm assignments to achieve a seamless integration of all subsystems and to be ready for the “pre-demonstration” early summer 2019.



## ALFA TECHNICAL MEETING, MADRID



The ALFA technical meeting took place at the ATOS premises in Madrid on November 21 and 22, 2018. The first day started with a presentation about the technical status of the project and the overall meeting goals. Afterwards, the status, the results and the future tasks of the technical work packages were presented by the WP leaders. At the end of the first day, a technical workshop dealing with the threat assessment and landing site prediction functionalities was held.

In the evening, the consortium partners met for dinner in the centre of Madrid. In addition to typical Spanish food,

the partners enjoyed the informal atmosphere and the opportunity to unwind a bit. The second day of the meeting was dedicated to the planning of the first ALFA workshop in Brussels on 4th of December 2018. Afterwards, another technical workshop about system integration and testing was held. Finally, concrete action points were summarized and responsibilities were defined.

All in all, it was a very successful and engaging meeting, providing input that can be used for further research and developments within the ALFA project.

# THE FIRST ALFA WORKSHOP

The first ALFA Workshop took place on 4th of December, 2018 at the BAO Congress Center in Brussels.

It was co-located with the 12th Community of Users (CoU) Meeting which was preceding the Security Research Event (SRE) 2018. This one-day workshop was organised under the umbrella of the European Union H2020 projects ALFA (Advanced Low Flying Aircrafts Detection and Tracking) and SafeShore.

The results and achievements of these correlating projects were shown. In the beginning, a key note speech was given and afterwards, the needs of the end-users with respect to the system were covered within the end-users sessions.

After the lunch break the technical presentations of the projects ALFA and SafeShore were given. Another European project, MARI-SA was introduced to the audience. The workshop created synergy between partners and end-users. More detailed information and the presentation material is publicly available on the website (<https://alfa-h2020.eu/news/1st-alfa-workshop>).



## UPCOMING EVENTS

**March 5-7, 2019**

Technical Meeting at TUBS premises in Braunschweig, Germany

**Summer and Early Autumn, 2019**

Functional Demonstration of true system capabilities of ALFA in Portugal and Spain



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