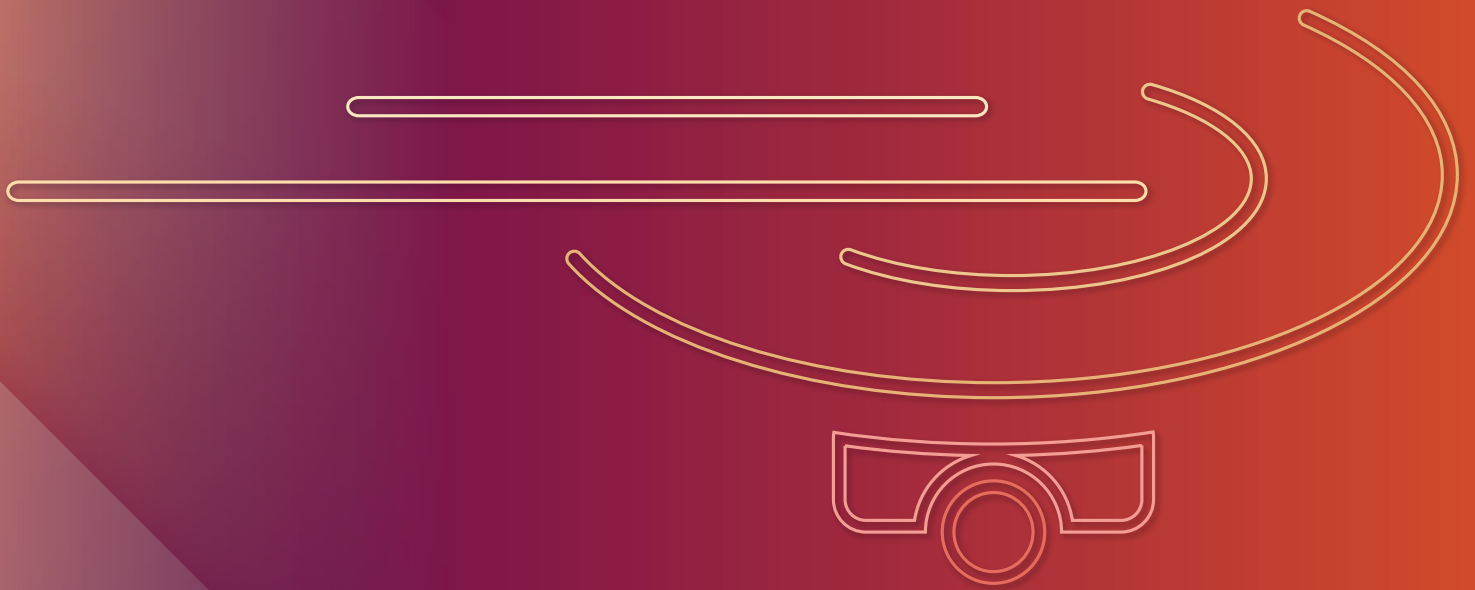


NEWSLETTER



EDITORIAL

As **BorderUAS** is gradually approximating the final phase of field-trial execution, a statutory (as defined by the signed GA's foreseen timeline) series of **Test/Functional Flights** will come into being, to oversee the successful bridging between the preparatory and **field-trial** execution phases, ensuring thus an uneventful transition.



Hangar Installation & UAV Platform

construction are prerequisites to the initiation of Test/Functional Flights phase, and both are expected to be brought off foreseeably by **end of May**.

In the months leading up to the Test/Functional phase **BorderUAS** Consortium Members have successfully carried out a range of requirements relevant to it.

Thus far **BorderUAS** has witnessed the fine-tuning of field-trial related scenarios, the assembly of **Hangar installation parts**, and lastly the mustering of all **UAV payload** components in the city of **Zagreb** where the **Test/Functional** phase is expected to take place.

PROJECT PROGRES

2ND INTEGRATION WORKSHOP & LEAs WORKSHOP

BorderUAS affiliated partners are delighted to announce that last week saw their participation in back-to-back workshops held in physical presence/hybrid mode at two separate locales in the city of **Zagreb**.

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2ND INTEGRATION WORKSHOP & LEAs WORKSHOP

BorderUAS consortium members assembled on 14-15 March in the context of the **2nd Integration Workshop** to discuss the progress of payload integration onto **HSF's UAV platform prototype**.

Consortium partners shared their time between delivering articulate presentations in the conference room and occupying themselves with hands-on integration work at **HSF's** premises where the **UAV prototype is being assembled**.

Following the **2-day integration workshop**, on **16 March**, WP6 leaders of KEMEA chaired the **2nd LEAs' workshop** (on-site) that assembled project's end-users to take them step-by-step through the mechanisms & scenarios partaking to the **3 ensuing field-trials** in place to test the readiness of the UAV solution.

All in all, **BorderUAS** affiliates concluded that conference sessions and on-site integration work partook significantly in gap identification, further task delegation, and end-user preparation as **BorderUAS** project is about to enter its final phase with the staging of the three (3) ensuing field-trials.

EVENTS

TECNOSEC 2023

TECNOSEC – Exhibition & Congress of High Police, Security and Intelligence Technologies took place in **Madrid** on the **26th** and **27th** of **April 2023**. This year's focus was on **AI** in videosurveillance and use of drones.

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TECNOSEC 2023

Our consortium partner **Vicomtech** participated as an exhibitor and presented the general activities of the **BorderUAS** project and in particular, the activities developed by Vicomtech related to intelligent security video analytics and digital security within the project. **TECNOSEC** attracted a specialized and motivated audience, closely related to high security and intelligence technologies, creating a very knowledgeable ecosystem relevant to the topics and markets addressed in the project **BorderUAS**. As such, the exchange and face-to-face communication with customers allowed to showcase the benefits of the proposed solution in a more **efficient** and **targeted** way.

BorderUAS gained some significant visibility in this exhibition that gathered more than 3500 visitors from around the world. You can find more about the **TECNOSEC** at <https://www.tecnosec.es/en/>



THE QUEST FOR SILENCE

The conference “Noise Management: The Quest for Silence“, organized by Dirigent Acoustics (**DIRACS**), covered all aspects of environmental noise through lectures and an equipment exhibition. More than 90 participants from Serbia, North Macedonia, Slovenia, Bosnia and Herzegovina, Montenegro, Germany, the Netherlands, Poland, Romania, Italy, and Belgium took part in the event in the fantastic surroundings of the **Science and Technology Park Belgrade** conference center.

The most modern solutions for measuring, monitoring, and calculating environmental noise were demonstrated, with a special part of the meeting being the presentation of innovative solutions developed by **DIRACS**. One of these presentations was focused on showcasing the latest acoustic sensor prototype developed as part of the **BorderUAS** Project to the eager conference participants.

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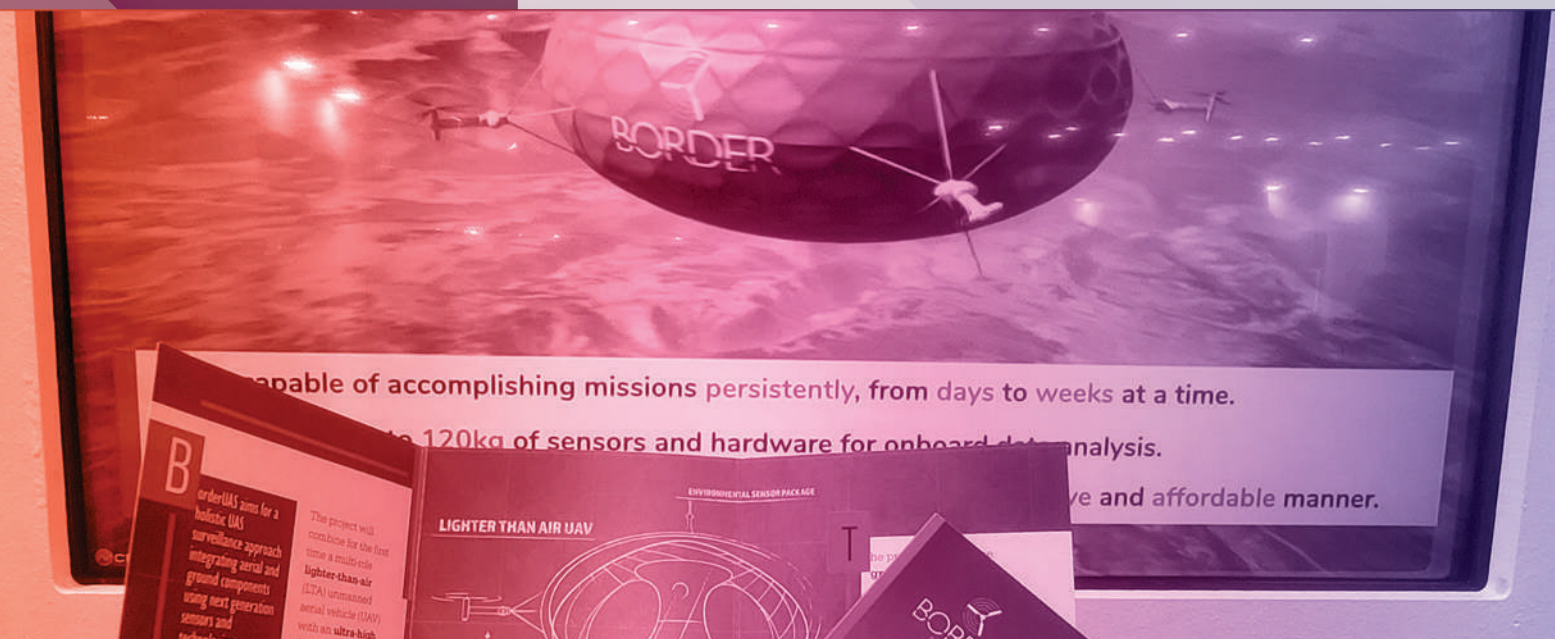
DEFEA 2023

BorderUAS project was featured in the **DEFEA** Exhibition that took place in Athens, Greece between 9-11th of May 2023.

The project was presented by the **KEMEA** partner in a dedicated exhibition booth where other security projects that **KEMEA** is involved in were also featured. The project reached high visibility with more than 300 exhibitors participating from 78 different countries during those days.

Representatives from **KEMEA** welcomed all the visitors that passed by the booth and presented to them the objectives and the developments of the project so far, they referred to the next steps of the project focusing mainly on **UAV** testings and pilot executions.

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DUAL-USE CONCERNS IN RESEARCH AND EU FUNDED PROJECTS



Have you ever heard about the term dual-use items?

What is dual-use research referred to?

According to the **World Health Organisation** (WHO) “Dual-use research of concern (DURC) describes research that is intended to provide a clear benefit, but which could easily be misapplied to do harm. It usually refers to work in the life sciences, but the principles are also applicable to other fields including engineering and information technology”.

These types of concerns, refer to specific outcomes that could cause damage both to humans (regarding health, safety, security) and the environment (nature).

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DUAL-USE CONCERNS

This is something we encounter often in EU funded projects. **European Commission** requests occasionally, from researchers to carry out scrutiny regarding dual-use concerns as the research evolves. The decision of such requests stems from the nature of the research, the programme and the likelihood of the results to be misused. To this end, the definition of ‘dual-use’ as interpreted by the applicable European legal framework can work as a good guide on identifying the possibility of dual – use items in research.

More specifically, we refer to the ‘**Council Regulation** (EC) 428/2009 setting up a community regime for the control of exports, transfer, brokering and transit of dual-use items’ or other items for which any document(s) must be submitted throughout research activities. According to this regulation the definition of the dual-use items are “in general, those which can be potentially used for both civil and military purposes”.

A list of categories of potential dual-use items (including software and technologies) are listed below as they are mentioned in the Regulation:

- Nuclear Materials, facilities and equipment
- Special materials and related equipment
- Materials Processing
- Electronics
- Computers
- Telecommunications and “information security”
- Sensors and lasers
- Navigation and avionics
- Marine
- Aerospace and Propulsion

DUAL-USE CONCERNS

The possibility of research being misused is something that concerns science constantly and this is because of the consequences this might cause at a societal or ethical level. Either intentionally or unintentionally there is always a possibility that some research results might be used for the wrong reasons or in a wrong way.

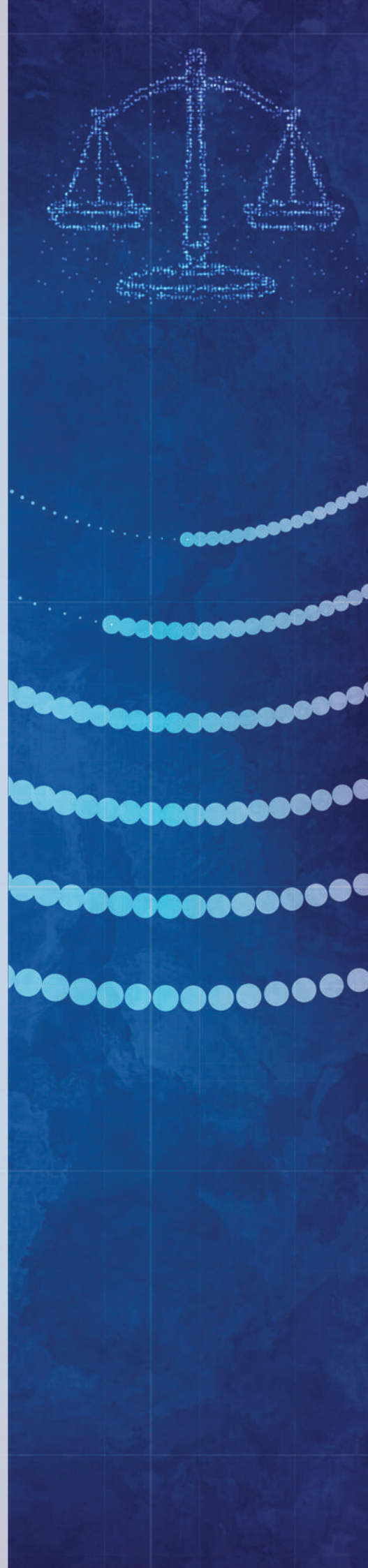
Some recommended steps to mitigate the possibility of dual-use concerns in research are:

1. Identify the potential involvement of dual-use items at an early stage
2. Grant authorisation/license or obtain other relevant documents that are required in case of dual-use items involvement
3. Check the national rules governing relevant software or technologies, and contact the national authorities in charge
4. Identify any implications
5. Design risk-mitigation strategies

Things might end up more complicated when research requires pilot testings in multiple countries which means that technology and equipment should move around the different sites. In case of identified software or technologies that can be characterised as potential dual-use items, researchers should examine all national procedures and licenses required in the countries involved in the testings.

Although **BorderUAS** research activities and outcomes exclusively focus on civil applications, the legal team of the project based on the abovementioned Council Regulation to conduct an exhaustive study in order to meet the EC requirements on dual-use concerns in research outcomes of the project.

One of the main objectives of the project is constantly to ensure that **BorderUAS** research is compliant with all applicable national, European and international dual-use legislation.



CONTACT

If you are interested in our progress and developments, stay tuned through our various dissemination channels and the frequent blogposts that are available through our [website](https://borderuas.eu/).



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