

# ORGANIZING SCHOOLS

**246**  
**REGISTERED**  
**48**  
**TEAMS**



2 EUROPEAN CITIES

Plovdiv in Bulgaria  
Nicosia in Cyprus

5 FRENCH CITIES

Lyon Paris  
Bordeaux Toulouse  
Salon-de-Provence

**+90**  
**EXPERTS**

## DEFINSPACE 2022



**3 PARTNERS**



**16 SPONSORS**



**17**  
**TEAMS**  
**QUALIFIED**  
**FOR THE FINAL**

## 2<sup>ND</sup> EDITION OF THE SPACE DEFENSE HACKATHON

DefInSpace is part of the strategy of the CDE to promote the search for innovative solutions in order to achieve its missions in terms of controlling space, and to publicly promote its image.

With New Space marked by the wide-scale emergence of new technologies, with the access to space now opening to the private sector and with "low-cost" access to space, real threats against our spatial capacities have appeared. Space becomes a field for confrontation and a stake for national security. DefInSpace is the occasion for the French Ministry of Armed Forces to communicate on its activities and on the spatial problems it will have to face, by demonstrating that they can be addressed in an agile and collective way. It is also the opportunity for participants to discover the unknown world of spatial Defence, while shedding a new and innovative light on the current and future challenges.

In each country, after the 24 hours of the hackathon, a jury composed of members from various backgrounds (schools, industries, academic world and Armed Forces) will have studied the projects and will choose the teams who will participate in the international semi-finals.

### OBJECTIVES OF THE EVENT



Foster the emergence of innovative ideas that will enable the CDE to address concepts and technologies that can modify the use of space on the short and middle term, benefiting armed forces;



Promote the knowledge of spatial Defence and its ecosystem, in France and in Europe;



Promote the image of the CDE in the general public of France and Europe, through its role and its missions serving spatial Defence.

## CHALLENGES

Students and young workers joined the hackathon and worked in teams on 2 challenges related to Space Traffic Management (STM):

### CHALLENGE 1 (GENERAL):

How can the EU approach this problematic, both on the regulatory and strategic levels (autonomy, stakes, space diplomacy...)?

What are the stakes for the Ministries of defence of the member states?

### CHALLENGE 2 (TECHNICAL):

What resources (sensors, networks, data processing...) are mandatory to benefit from an autonomous and reliable Space Traffic Management on EU level?

What contribution could the armed forces of the EU member states bring?

## THE FINAL

At the end of 24 hours of the hackathon, 17 teams are qualified for the semi-finals: these as well as the Grand Final take place in Paris on Tuesday June 28 in the Coeur Défense - Paris la Défense. A jury made up of experts will designate the 2 winning teams, one for each of the 2 challenges.



## THE PRIZE

DefInSpace winners will have the unique opportunity to attend the launch of a rocket and its satellites at the European Space port in Kourou, French Guiana.

## FRENCH SPACE COMMANDMENT



The French Space Commandment (CDE) is an inter-army based organisation, placed under the command of the Chief of Defence staff for matters related to capacities, cooperation and operations and under the command of the Air and Space Chief of Defence staff for operational preparation, organisation and skill generating.

The CDE was launched in 2019 by the French President, Emmanuel Macron, and the Minister of Armed Forces, Florence Parly, to implement France's new Spatial Defence Strategy. Its creation helps improve the operational efficiency, consistency, visibility and simplicity of the French Military Space organisation.



## AEROSPACE VALLEY

Based in France, Aerospace Valley is Europe's first aerospace cluster, the only community in the world federating all the actors of the value chain for all of the aeronautics and space segments, in the Occitanie and Nouvelle-Aquitaine regions. Supporting the strategic sectors of Aeronautics, Space and Drones and thanks to its 5 Excellency Ecosystems - Embedded and Communicating Systems, Structures and Mechanical Systems, Propulsion and Embedded Energy, Data and Artificial Intelligence, Products and Services for the Industry - Aerospace Valley drives a supportive, competitive and attractive community, aimed at fostering innovation in view of growth.

Ranking among the world top three clusters for the performance of its cooperative R&T projects (among which 675 have already been financed since the cluster was launched in 2005, for a total amount of € 1.6 Billion invested and €682 Million public aid), Aerospace Valley is in charge of animating a dynamic network of international reputation, composed of 807 members (companies, research laboratories, training centres, universities and schools, local authorities, economic development structures), including 592 SMEs.

More info on: [www.aerospace-valley.com](http://www.aerospace-valley.com)