The Van Allen Foundation had a decisive role in the emergence of the Newspace in France. Today, the duo Van Allen Foundation (FVA) and University Space Center of Montpellier (CSUM) has two priority ambitions. One is focused on combating the climate change, which is illustrated by the Robusta-3A Mediterranean nanosatellite. The data collected during this demonstration mission will be used in a meteorological research program which could help improve the forecast of Cévenols episodes. The other aim, as part of the MUSE I-Site policy, is to collaborate with emerging countries, especially African, eager to acquire spatial skills. This ambitious project is based on innovative training from the UM, showcases of CSUM expertise and set up with FVA industrial partners.

Together we must achieve these ambitions; like us, support the Van Allen Foundation.

Jean-Claude GAYSSOT, President of the Van Allen Foundation
Former Minister, President of the Port of Sète-Frontignan

JOIN US AND DEDUCT YOUR DONATION FROM YOUR TAXES!

Make a donation:
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- private and corporate -
→ from 1€

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the local support
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Support Montpellier University

French leader in university nanosatellites

Innovation | Education | Network
The University of Montpellier initiated the development of the nano-satellite sector in France in 2006 by:

- creating the first French University Space Center, the CSUM, where students develop from A to Z nanosatellites, supervised by academics with industry cooperation.
- setting up the Van Allen Foundation (FVA), which offers strategic and financial support. The goal is to raise new funds, especially through corporate donations, in order to continue the adventure.

### 2006

1st 1U ROBUSTA Nanosatellite (2006-12), in the frame of the CNES EXPRESSO call for project Funded by CNES

### 2011

1st French CSU Creation of the University Space Center of Montpellier

### 2012

Launch of ROBUSTA on VEGA. 1er French nanosatellite in orbit

2ème 1U ROBUSTA 1B (2012-15)

### 2013

1er 3U Méditerranée Nanosatellite (2013-21)

### 2014

3ème 1U MTCube Nanosatellite (2014-19)

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**TECHNOLOGICAL INNOVATION**

Nanosatellites provide a low cost and rapid solution to test new technologies in space for industry and research. They enable data collection for a range of potential applications: humanitarian, environmental...

**INNOVATION at the University Space Center**

- 2 nanosatellites lines: CubeSat 1U and 3U
- Expert grasp of the technology: nanosatellites developed entirely in-house and launched into orbit
- International collaboration
- CSU resources available to industry: resources for testing, construction and satellite-related systems

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**STRATEGIC SUPPORT by the Van Allen Foundation**

- Nanosatellite development strategy by the foundation’s Board of directors
- Privileged access for the industrial partners of the university of Montpellier research (laboratories, platforms) and training network
- Support for institutional relationships and international partnerships
- Promotion of the nanosatellite sector
**PRACTICAL TOP-FLIGHT TRAINING**

The CSU welcomes students developing nanosatellites in the frame of internships or final projects. Internship grants are funded by the Van Allen Foundation. The students work on every aspects of space missions: upstream at the Concurrent Design facility, development, Assembly Integration and Testing, and finally launch and in orbit operations.

### PROJECT-BASED CULTURE at the University Space Center
- Welcoming students of all levels, all fields, all universities and higher schools Bac+1 to Bac+8 (in mechanics, electronics, computer science…)
- Future operational employees at the end of their study program
- Developing sought-after skills: systems engineering, team projects management
- Working methods and tools used in the profession
- Interactions with space agencies and industry: projects, contribution to training courses, participation in trade fairs

### FINANCIAL SUPPORT by the Van Allen Foundation
- Providing funding for study programs: post-doctoral students, doctoral students, student internships, Master, Lpro and DUT programmes
- International: sponsoring 3 students at JPL/ NASA for their theses
- Funding for project technology: launches, equipment, materials...

> **2.5 M€ already invested**
(by 350.000€ /an)

by the Van Allen foundation in training & projects