Press release

NANOSTAR Detailed Design and Testing Challenges: Online registration is open!

> NANOSTAR is a European project to support the training and development of **student nanosatellites** in the south west of Europe.
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> In this phase, each institution of the Project will be offering specific challenges on the design, development and testing of nanosatellite components.

October 4, 2019

NANOSTAR specific design, development and testing challenges start!

In this project phase, each institution will support a large number of different design and testing challenges of nanosatellite components. Some of these challenges are related to components of the winner nanosatellite design of the first preliminary design competition (https://nanostarproject.eu/contents-produced-by-the-winning-teams-of-the-first-preliminary-design-competition/), others to nanosatellite testing facilities, and there will also be a challenge on the detailed design of a Roscoff's worms payload, which is a key component of the second edition of the preliminary design competition (https://nanostarproject.eu/student-challenges/registration-predesign-challenge-second-edition/).

How to participate

Students participate to these specific challenges in teams (of any size). The advisor of each student group will be a member of the challenge-hosting institution. Students are encouraged to register at https://nanostarproject.eu/student-challenges/registration-phase-2/ and to indicate the specific challenge they are interested in.

At the end of each specific challenge, each team will have to deliver a report, based on the template that can be downloaded at https://nanostarproject.eu/student-challenges/registration-phase-2/.

Finally, each team will have the opportunity of presenting remotely the challenge work at a final NANOSTAR project event, to be announced soon.

NANOSTAR project

The nanosatellite standard is today used by many universities and companies to attract the best students and engineers, that supports the universities and industries competitiveness.

Several countries from the north of Europe have strongly invested in this approach, creating a commercial offer that has become very well positioned in the market. However, Southern Europe, despite its strong influence in the space sector, has only 14% of the projects in the European nanosatellite sector and no company created in this field.

NANOSTAR is a collaborative platform to provide a relevant training on nanosat technology through Student Challenges.

NANOSTAR project is funded by the Interreg Sudoe Programme through the European Regional Development Fund (ERDF).

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The consortium is composed of 2 aerospace clusters, 7 universities plus 3 ESA-BIC centres as associates, in **France, Spain and Portugal**:

- Aerospace Valley (Project coordinator) www.aerospace-valley.com
- Madrid Aerospace Cluster www.madridaerospace.es
- Institut Polytechnique de Bordeaux www.bordeaux-inp.fr
- Institut Supérieur de l'Aéronautique et de l'Espace www.isae-supaero.fr
- Université de Montpellier www.umontpellier.fr
- Universidad Politécnica de Madrid www.upm.es
- Universidad Carlos III de Madrid UC3M www.uc3m.es
- Universidade da Beira Interior UBI www.ubi.pt
- Instituto Superior Técnico http://tecnico.ulisboa.pt

Associates:

- ESA BIC Sud France
- Instituto Pedro Nunes - Associação para a Inovação e Desenvolvimento em Ciência e Tecnologia www.ipn.pt
- Fundación para el Conocimiento madrimasd en su función de ESA BIC España www.madrimasd.org

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