



CALL FOR PROPOSAL

Dutch CanSat Competition 2017-2018





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Have you ever dreamed of becoming an astronaut, a rocket scientist or a space engineer? Now's your chance! In the CanSat competition, you can lead your own space mission - with a satellite the size of a soft drinks can. Together with a group of fellow students, you will compete against teams from all over the country. Submit your proposal to be part of the Dutch CanSat Competition 2017-2018!

ESERO NL invites secondary school students to enter the Dutch CanSat Competition 2017 - 2018. The deadline for entries is **3 p.m. on Friday 13 October 2017**.

CanSats are small satellites which contain all the essential subsystems, such as power and communications, that can be found in a real satellite. But CanSats are different - they fit into a 330ml soft drinks can! CanSats do not go into space, but are launched with a rocket and then released at an altitude of 1 kilometre. CanSats have to perform two missions on their way back to the ground, and land safely.

The primary mission is the same for all participating teams: to measure the air temperature and air pressure on the return journey to Earth. The data must be transmitted by radio to the team's ground station at least once every second during the flight.

Each team is free to choose their own secondary mission. You could choose, for example, to measure a more advanced parameter, such as acceleration speed, GPS location or ambient radiation levels, or use a control mechanism, such as a parafoil, to land as close as possible to a particular target. You could even choose to make your CanSat release a small rover after landing.

During the competition, each team's efforts will be judged on scientific relevance, technical achievements and innovative aspects. Teamwork skills and outreach, such as media coverage, will also be assessed. The winning team will automatically be entered into the ESA European CanSat Competition 2018.

How to apply

To participate in the CanSat Competition, you will have to submit a research proposal. The guidelines and proposal form for the Dutch CanSat Competition 2017-2018 are published on the website of the Dutch CanSat Competition: www.ruimtevaartindeklas.nl/cansat. Please read these documents carefully before applying.

The deadline for proposals is **3 p.m. on Friday 13 October 2017**. The team leader must e-mail the completed proposal form before the deadline to info@ruimtevaartindeklas.nl. Please use the subject line: "2017 - 2018 CanSat Competition Proposal".

The number of participants is limited, a maximum of 50 teams will be admitted to the competition. The teams will be selected based on the quality of the research proposal and technical feasibility. Per school a maximum of 2 teams can participate in the competition.



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Timeline

When your proposal has been submitted and evaluated, you will receive a confirmation of your team's entry. The confirmation will include an invitation for the team leader (teacher) to attend the teachers' workshop in November.

4 September 2017	Call for proposals online
13 October 2017	Deadline submission research proposals
31 October 2017	Announcement team selection
11 November 2017	Teacher workshop
12 January 2018	Deadline progress report
End of January 2018	CanSat Test Day
7 March 2018	Deadline final design
End of March / First week of April 2018	CanSat Launch Event
9 April 2018	Deadline final paper
19 April 2018	Award Ceremony
27 June – 1 July 2018	European Competition

The exact dates and any changes will be communicated to the team leaders and announced on the website www.ruimtevaartindeklas.nl/cansat.

Contact details

For further information please contact:

Anne van de Ven (project manager)

info@ruimtevaartindeklas.nl

t +31 (0) 20 531 31 35

Oosterdok 2

1011 VX Amsterdam

Or visit <http://www.ruimtevaartindeklas.nl/cansat>