

Tuesday 8 October 2019
14h30 – 21h in all ESA Member States

Involving next European Space Generation

Project initiated by:





ESTACA, a highly specialized transport engineering school

- Founded in 1925, ESTACA is a member of ISAE group, 1st world cluster in aerospace training and research. ESTACA is highly specialized in the fields of aeronautics, space, automotive and railway industries.
- The industry has ranked ESTACA among the best engineering schools for its expertise in the transportation fields. ESTACA is a member of many leading European and international networks.
- The school is especially actively engaged in the PEGASUS network, including 27 European aeronautics and space universities.



HEC Paris, a world class business school

- Founded in 1881, HEC Paris has built itself on three core values: academic excellence, a strong sense of community and a commitment to diversity.
- Thanks to these values, the school has developed into one of the world's best business schools, as showcased in top international rankings.
- By training tomorrow's business leaders and entrepreneurs, we aim to be the architects of a responsible world with a positive impact on business

Tuesday 8 October 2019

“The UN General Assembly declares 4 to 10 October the **World Space Week** to celebrate each year at the international level the contributions of space science and technology to the betterment of the human condition”

UN General Assembly resolution, 6 December 1999

- From 21 June to 31 October 2019, **European Space Talks** (EST) initiatives will be organised across all ESA Member States. EST is an event organized by the European Space Agency (ESA) with the purpose to inform the European citizens about space activities and the unique benefits they can provide.



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The objective: involve the next Space Generation

ESA's next Ministerial Council, called 'Space19+', will be held in November 2019. Ministerial Councils bring together ESA's Member States and observers every two to three years to decide on new proposals and funding for ESA's next years of work. Space19+ will be an opportunity to direct Europe's 'next generation' ambitions in space, and address the challenges facing not only the European space sector but also European society as a whole.

The date and place of the next ESA Council meeting at ministerial level, called 'Space19+', are 27-28 November 2019. This meeting will be preceded by an ESA Council meeting at ordinary level on 26 November 2019. Both meetings will take place in Seville, Spain.

The purpose of holding a *European Space Talk* with students is to **involve** what we call **the next generation workforce**. Those who will deal with **sciences, business** and **law**.

The current students' future work will be based on the decisions taken during the upcoming Ministerial Council. We believe that they have the right to choose what they will be developing or working on for the next decades. Involving them will contribute to the support needed for Space19+.



What are the subjects



Space19+ four main programmatic pillars

- **Science and exploration** is the first pillar of Space19+. It brings together topics such as science for a better knowledge of space and the future of exploration.
- **Space safety and security** is covering two main aspects. The first one called Space safety program includes threats originated in space (space debris and near objects coming towards the Earth). The second one, Safety and security applications, involves threats originated on the surface of the earth (natural disasters). Cybersecurity is also included in the Space safety and security pillar.
- **Enabling and support** regroups launchers, operations, and technology developments. Its main purpose: to overextend the possible space activities by creating new technologies for the future (vehicles, launchers, artificial intelligence).
- **Applications** is the fourth and last pillar of Space19+. Earth observation, navigation and telecommunication are its main focus. The challenges it brings are climate change, new in-space navigation systems, and finally, 5G applications.

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Our Ambassadors: the European Astronauts

- For centuries, space has been a source of questioning. (By travelling many times), astronauts are at the very heart of space issues. They are the most qualified speakers to address a space themed event.
- Famous French astronauts such as **Claudie Haigneré** & **Thomas Pesquet** are already confirmed to share their knowledge. Other astronauts from ESA will be invited to be present in the main European space universities. During the evening, they will share their own experience and take part in a debate on the future of space activity in Europe. The audience will be able to interact on the many subjects.



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The audience

- **The students from business, engineering, architecture and law schools represent the most important part of the audience.** They will thus benefit from the unique appearances of those who contribute to a better knowledge of space environment. Beyond the passion it generates, the aerospace is a scientific discipline which requires testimonies to be well apprehended by everyone.
- **The access to the conference will be essentially Students** from schools and universities related to space (science, social sciences, business or law)
- The **space industry** is of crucial importance to the successful conduct of the event. During the afternoon, its major actors will be invited to exchange with students about the many jobs and career opportunities. Their presentation will address the various facets of jobs needed in the space sector (science, social sciences, business or law).

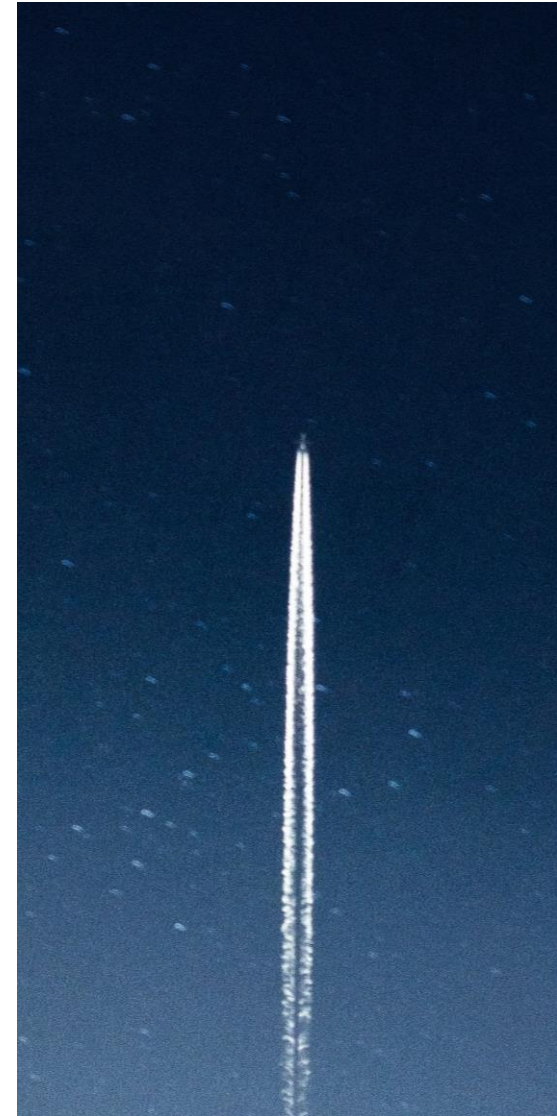


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The venues across all ESA Member States

- Simultaneous events are proposed in ESA's 22 Member States plus countries with whom ESA has a cooperation agreement. (e.g. Canada and Slovenia).
- Being at the epicentre of the initiative, HEC Paris and the Aerospace school ESTACA will host the main venue in the Paris region.



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The proposed Programme

2:30 pm to 5:30 pm: Career fair

- You will have the opportunity to meet 1000 to 1200 students from business, engineering, architecture and law schools

4:30 pm to 5:30 pm: Companies Meet-up

- Industry leaders and HR representatives, will present and interact with students on specific space projects with engineering and business perspectives and highlight the needs for young talents

18.00 – 19.00, Live Broadcast from Paris to European universities

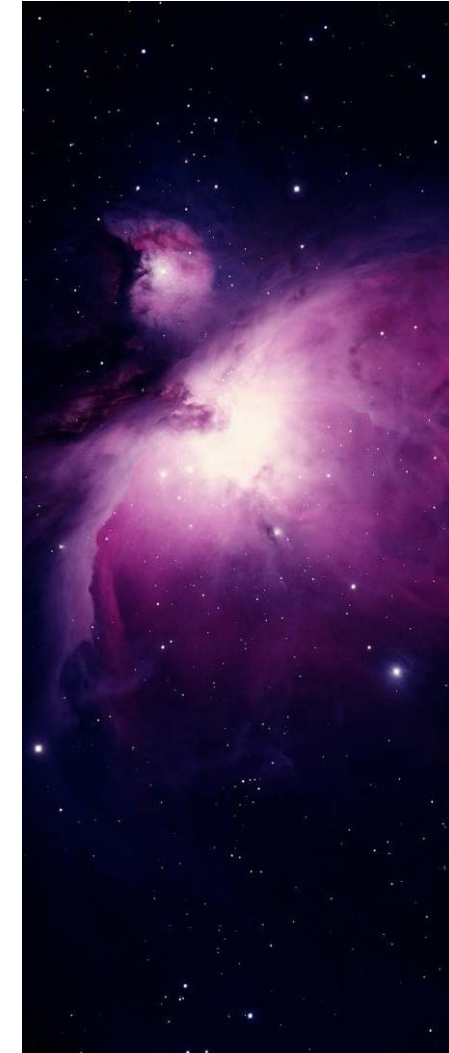
- European astronaut Thomas Pesquet located at HEC will introduce the overall objective of the initiative, its context and the topics which will be addressed in the European Space Talk format. He will share his views and experience to all European Universities through a livestream system. He will be followed by a message from the International Space Station Commander Luca Parmitano, one of his fellow classmate from the ESA astronaut selection in 2009.

19.00 – 20.00, Space Talk debates

- A European astronaut possibly located in as many European universities will then animate the second part in form of a local debate astronaut with the students. The objective is to create interaction leading to an on-line voting of all students from all participating countries on their preferred themes and projects they wish to work on in the future. This way, the students will be given a chance to shape their own future.

20.00 – 21.30, Live survey & cocktail reception

- Before and during the reception after a Q&A session, the students can share their opinion and use the European Space Talks website. Hopefully they will become a European Space Talk organiser themselves after this unique experience.



Companies Meet-up Meet-up on space careers

- **Industry representatives, mainly from Human Resources or Innovative Departments, would be dispatched in 3 assigned auditorium** to present their organisation and space projects. The purpose of these talks is to highlight the needs in terms of talents and competences expected as well as discuss about the career opportunities.



Companies Proposal

Space industry Representatives are warmly suggested to join the event

Company size	Price
Large companies	3K€
SME	1K€
Start-ups	150€

This Offer does include :

- 1 booth for the Career Fair
- A dedicated « Company Meet-Up » (please contact us to check availability)
- Assist to the Live Broadcast Talk with Thomas Pesquet
- cocktail networking

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Hosting a European Space Talk on 8 October

- Each Aerospace University can choose the venue and size. It can range from few hundreds to few thousands of students. ESA will support the organiser to host a European Astronaut wherever possible or suggest an expert who can play the role of anchor of the event. We suggest that moderation is done by the students.



- The event in France will take place in the Hall of Honour and relayed live through a dozen of auditoriums located on the HEC Campus, each of them accommodating between 100 to 400 students.

Project initiated by:



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