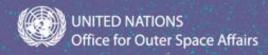
United Nations/Japan Long-term Fellowship Programme Post-graduate Study on Nano-Satellite Technologies (PNST)







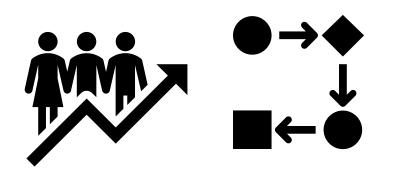


The goal of the **Access to Space 4 All Initiative** is to provide research and orbital opportunities for UN Member States to access space and to ensure that the benefits of space, in particular for sustainable development, are truly accessible to all





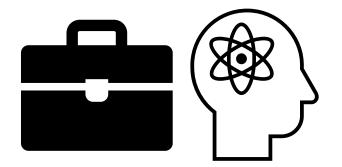




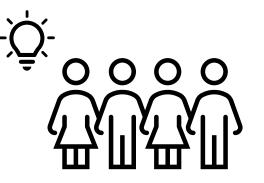
Hands-on Capacity from A-Z <u>Responsible & Sustainable Way</u>



Fosters international cooperation

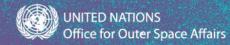


Provides cutting edge skills for jobs and other opportunities



Social Impact: To your country, region and young generations

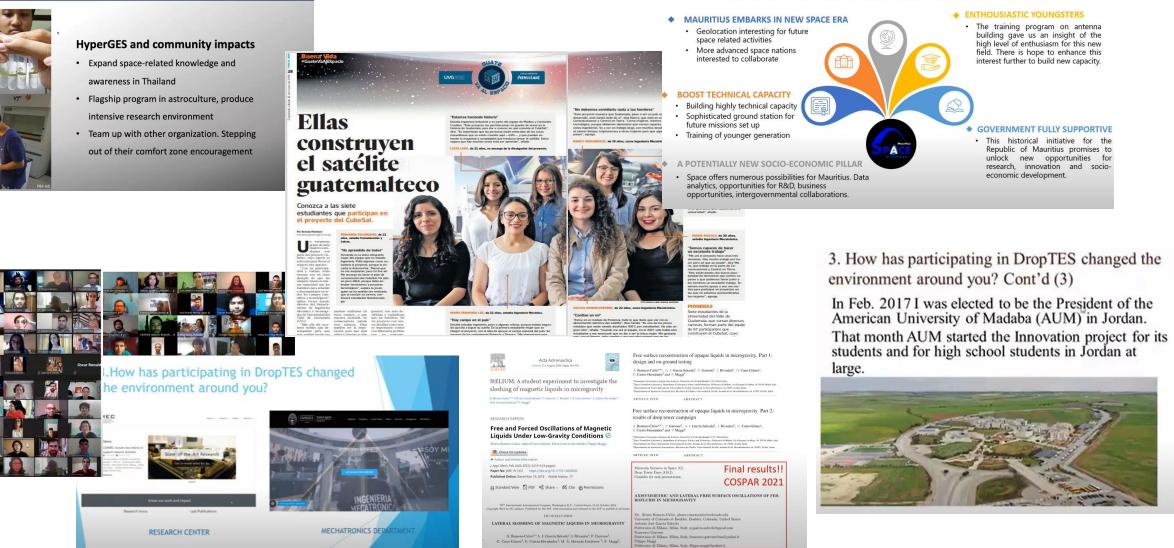




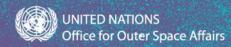
HyperGES "Watermeal, the Future Food Source for Space Exploration

FIRST MAURITIAN SATELLITE – OPENING NEW OPPORTUNITIES

JOURNEY TO SPACE ALTHOUGH NOT EASY BUT EXTREMELY REWARDING AND OFFERS HIGHLY PROMISING FUTURE





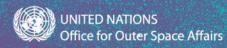




Space is relevant to the SDGs!

The 2030 Agenda for Sustainable Development <u>https://sdgs.un.org/2030agenda</u> To learn more about the SDGs go to <u>https://sdgs.un.org/goals</u> UNOOSA SDGs page <u>https://www.unoosa.org/oosa/en/ourwork/space4sdgs/index.html</u>





Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



Target 4.4

> By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

8 DECENT WORK AND ECONOMIC GROWTH Target 8.2 Ń

Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors



Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services

Goals

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation



Target 9.1

Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all



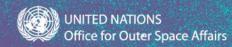
Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending











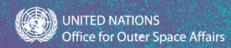


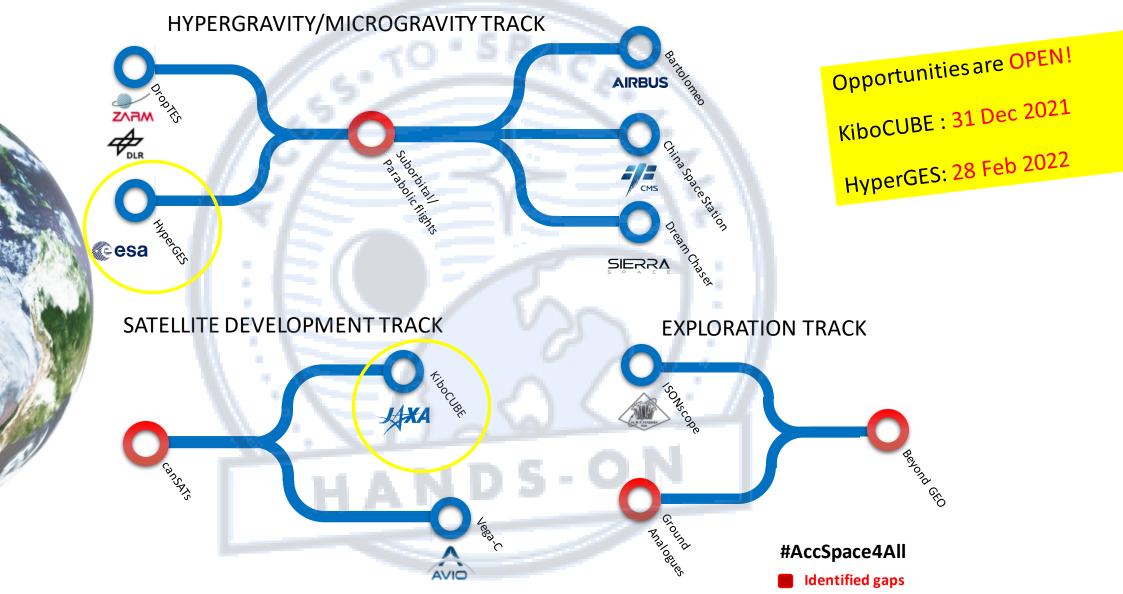
HANDS-ON COMPONENT

TOOLS COMPONENT

EDUCATION COMPONENT

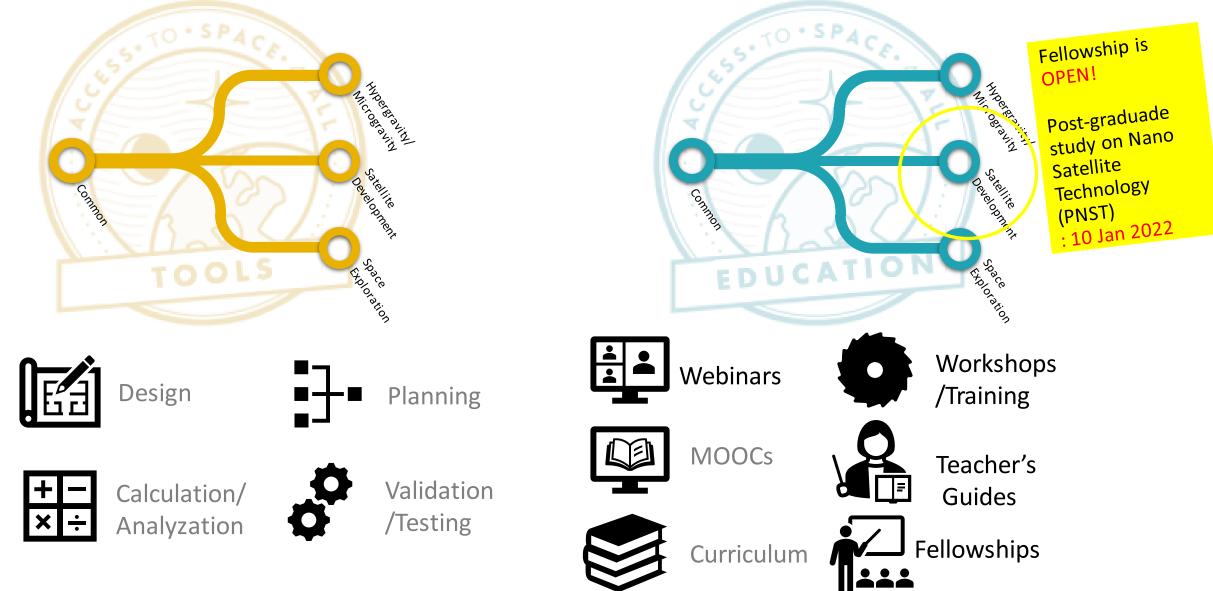












What is the Post-graduage study on Nano-Satellite Technologies (PNST) fellowship?

- A fellowship programme between the United Nations Office for Outer Space Affairs (UNOOSA) and Kyushu Institute of Technology (Kyutech) which started from 2013, for nationals of developing countries or nonspace faring nations. This programme is supported by the Ministry of Education, Culture, Sports, Science and Technology: MEXT of Japan.
- Provides opportunities for 3 students in the Master's Programme (2 years duration) and 3 students in the Doctoral Programme (3 years duration) to enrol in Kyutech's Space Engineering International Course (SEIC).

Photo credit: JAXA

Why PNST?

<u>1. Opportunity to study in an international environment at a leading university in the field of small satellites</u>

Hands-on, extensive research opportunity in nano-satellite systems through the use of the nano-satellite development and testing facilities available at Kyutech.

In 2018, 2019 and 2020, Kyutech was reported by Bryce Space and Technology to have had launched the highest number of small satellites among all academic operators.

2. Generous support from Japan

The selected candidates will each receive a grant under the MEXT scholarship of approximately 144,000 JPY per month for the duration of their fellowship study (2 or 3 years) to cover housing, food, local transportation, and other expenses. Also, according to the route as designated by MEXT, an economy class air ticket between an international airport in the country of his/her nationality and Narita International Airport or Fukuoka International Airport.

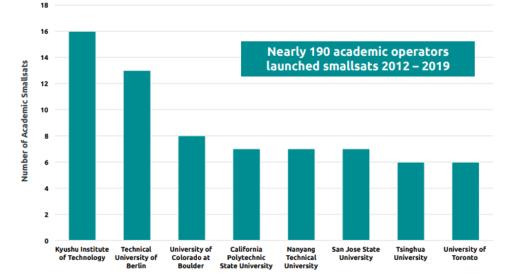
Fees for matriculation, tuition and entrance examinations will be paid by Kyutech.





Number of Academic Smallsats by Institution Academic and Non-Profit Smallsats











Where to begin...

- All documents/information can be found at: <u>https://www.unoosa.org/oosa/en/ourwork/psa/bsti/fellowships.html</u> <u>Read all documents/information on website carefully</u>
- Read interview article with current students in the programme Fatima Duran (El Salvador):

https://www.unoosa.org/documents/pdf/psa/bsti/fellowship/2022/Inter view Article PNST2021 Fatima Duran.pdf

Pooja Lepcha (Bhutan):

https://www.unoosa.org/documents/pdf/psa/bsti/fellowship/2021/Inter view with Pooja Lepcha PNST Kyutech- 30 Nov FINAL.pdf

 See past webinar to hear about the students' experiences and advices <u>https://www.unoosa.org/oosa/en/ourwork/psa/bsti/bsti-fellowship-programme-2021.html</u>

Wednessky 23 September 2021 10:30CEST on 1400CEST Beacone 17400CEST Beacone 17400CEST Beacone 17400CEST Agenda (TBD): Pagets - Introduction to PNST and she (Note Advances Intelling V UNCOSA (16min) Hama Sector 17400CEST - Introduction to PNST and SEIG (Space Engineering International Course) by Kyutech (15min) Aleas of work - Lighting Table from Current and Past Fellows (10min each) Begoinal Centres (P Space Sector) - Q and A and Prefunding fibrications <new> PNST INTERVIEW WITH A CURRENT FELLOW Begoint We Interview on of the current fellows, Ma, Fatima Duran from El Salvador! UN SPIDER</new>	UNITED N/ Office for 0	ATIONS Duter Space Affairs	y f 🛛 🛅 🗄	Search
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Requirements for Participation

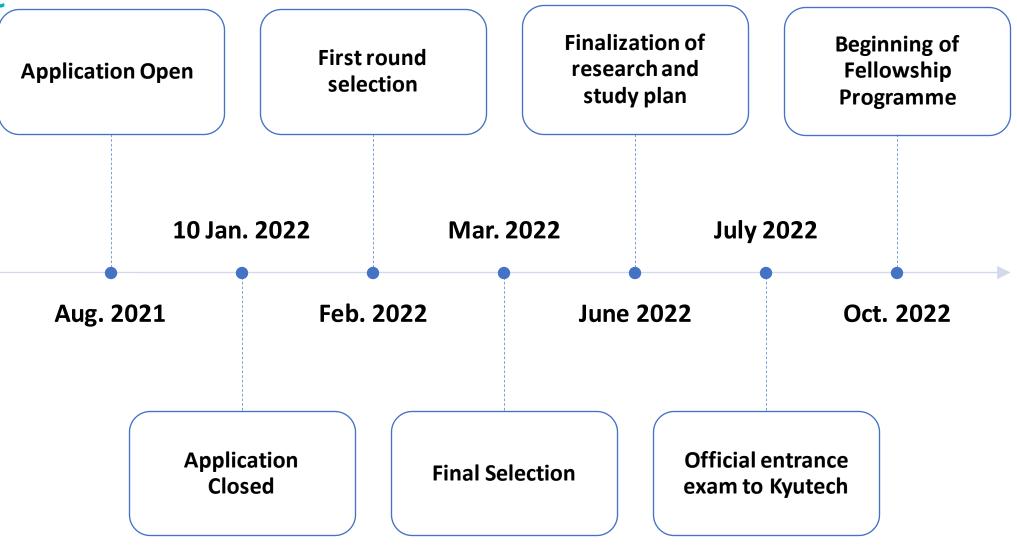
- Be nationals of developing countries or non-space-faring nations (countries without an established substantial capability to develop space technology/launch space objects);
- Be duly nominated by their institutions;
- Born on or after 2 April 1987;
- Should have the academic and professional background required by the specific fellowship programme. Candidates seeking a Master degree are expected to have completed studies ending with a Bachelor Degree or equivalent (4 year university degree) in engineering-related subjects. Candidates seeking a Doctorate degree are expected to have completed studies ending with a Master Degree or equivalent (5 years university degree) in engineering-related subjects. Candidates seeking a Doctorate degree are expected to have completed studies ending with a Master Degree or equivalent (5 years university degree) in engineering-related subjects. Degrees in different technological fields can be considered by the Doctor Commission; and
- Be able to make professional use of the experience gained in the fellowship programme.

<u>The Office for Outer Space Affairs is committed to achieving 50/50 gender balance in its programme and ensuring</u> <u>a balanced representation from different perspectives.</u> This programme intends to select 3 male and 3 female students for the fellowship.





Schedule



Thank you!

For inquires: UNOOSA Access to Space unoosa-access-to-space@un.org

