

# ACCESS TO SPACE FOR ALL



UNITED NATIONS  
Office for Outer Space Affairs



## A few facts first

~350-425 B\$

Value of Space Economy  
(today)

~1000-3000 B\$

Value of Space Economy  
(2040)

8 Year High

Space Employment in 2019

~39% Growth

Launch activity decade

~2 rocket launches

Per week in 2019

>80 countries

Have put a satellite in orbit  
(and counting!)

95 countries

Member of COPUOS



Nearly 40% of targets can be supported by Earth observation and Global Navigation Satellite Systems



## 4 QUALITY EDUCATION

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



Among others targets:

*“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”*

There is no technological innovation without education

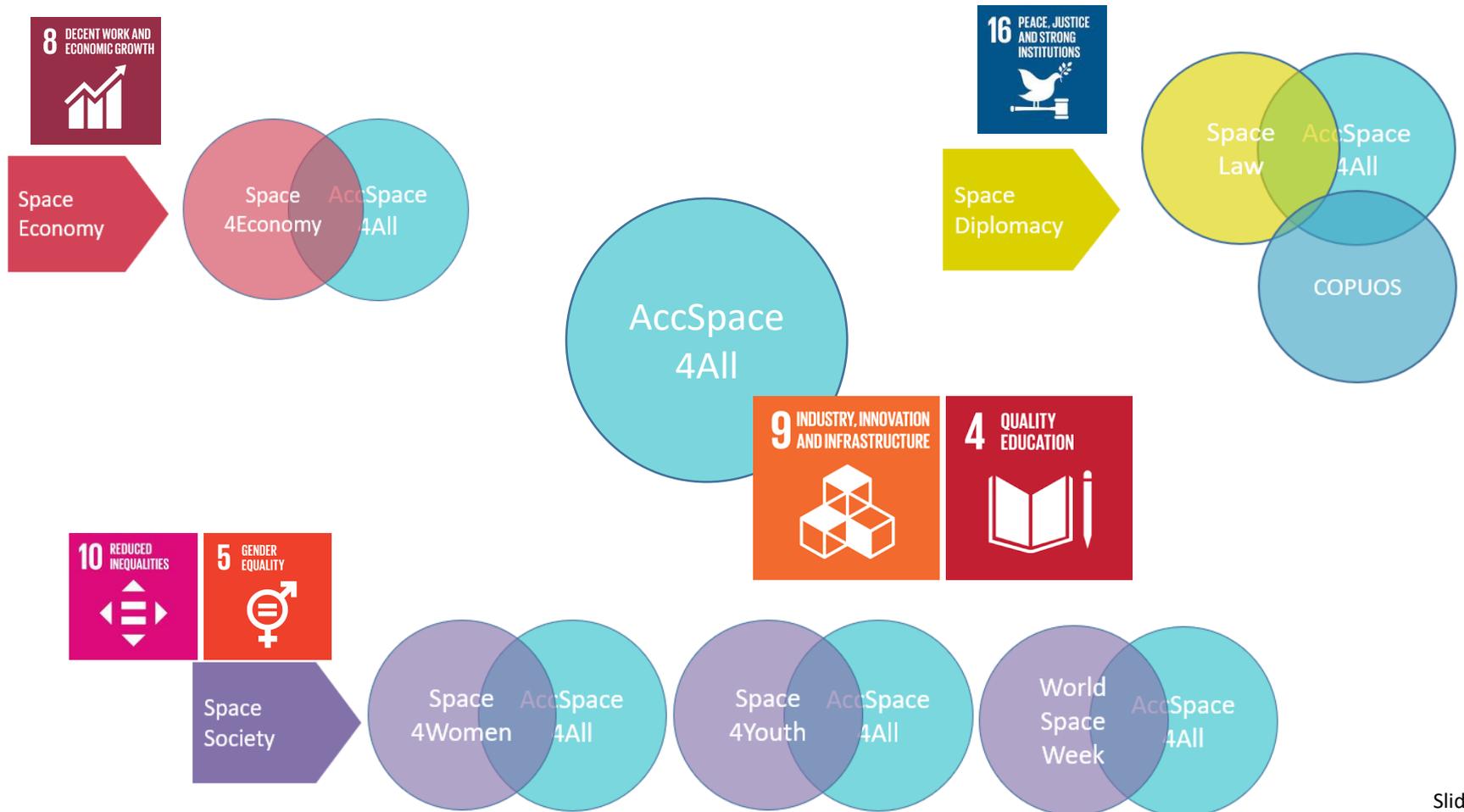
Education contributes to the economy



*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*

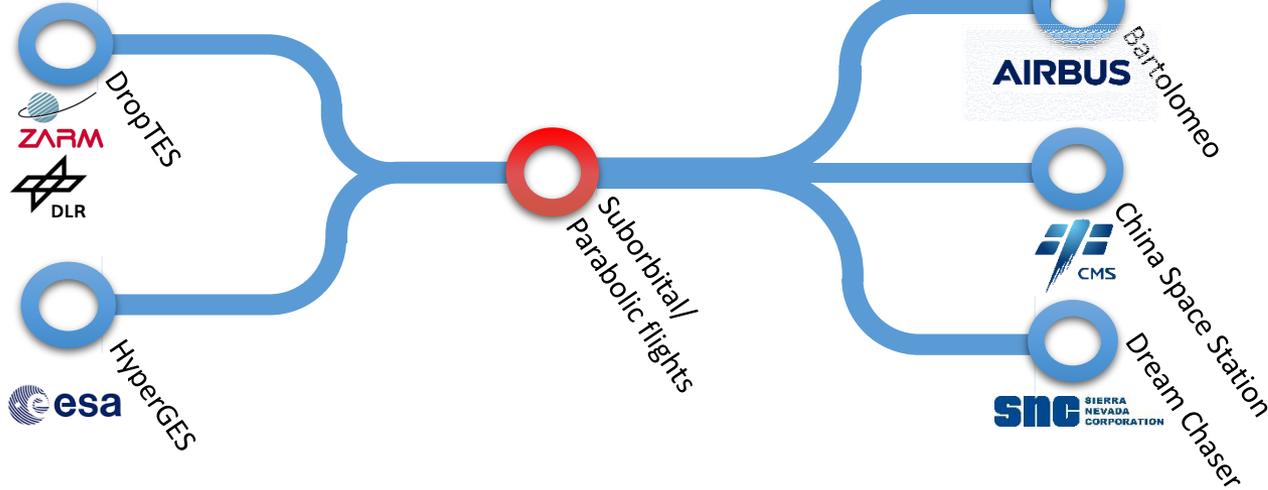
## Why Access to Space for All?

- ❑ You cannot learn to ride a bike by reading a book, **you have to ride a bike!**
- ❑ Cooperation: opportunities foster international cooperation and exchange of knowledge between countries
- ❑ Future: It is impossible to think in a future where space does not play a role!
- ❑ Jobs: Cutting edge skills
- ❑ Bridge the Space Divide in a responsible and sustainable manner
  - ❑ A clear path to develop capacity: Capacity from A to Z
  - ❑ Sustainable and Responsible

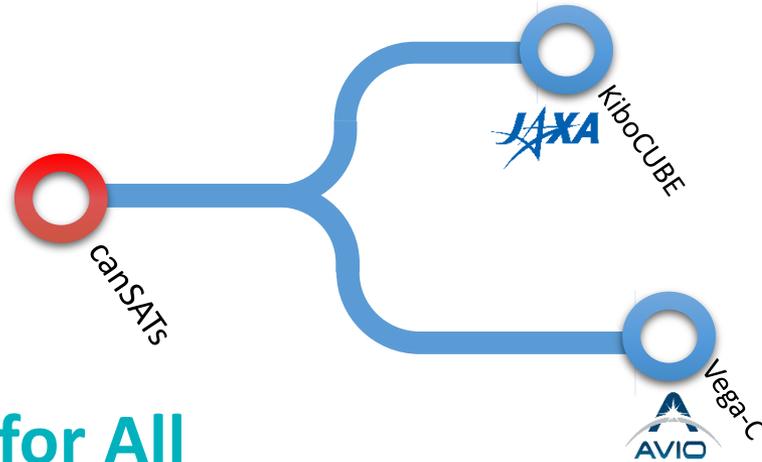




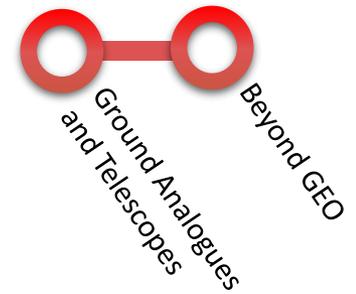
### HYPERGRAVITY/MICROGRAVITY TRACK



### SATELLITE DEVELOPMENT TRACK



### EXPLORATION TRACK



#AccSpace4All

■ Active opportunities

■ Identified gaps

# Access to Space for All

## Accessing Space with VEGA-C

The goal of Access to Space for All is to provide research and orbital opportunities to access space and to ensure that the benefits of space, in particular for sustainable development, are truly accessible to all. Under Access to Space for All, the United Nations Office for Outer Space Affairs (UNOOSA) and Avio S.p.A. (Avio) have joined forces at the 74th session of the UN General Assembly to announce an agreement to cooperate on providing institutions from UN Member States, in particular developing countries, with the opportunity to apply to use, free of charge, satellite slots for 1U CubeSat or aggregates using a Vega-C rocket.

The mission will be open to all Member States of the United Nations, and developing countries are particularly encouraged to participate.

A set of webinars is organized in the context of the collaboration with Avio to enable participants to take the most of this opportunity



Depiction of VEGA-C (Credit: Avio S.p.A.)

### MATERIALS

#### ANNOUNCEMENT OF OPPORTUNITY

Please note that the deadline for submitting applications is on **4 April 2021 at 23:59 CET**, Applications shall be submitting using the application form below:

- [Announcement of Opportunity](#)
- Application Form ( [doc](#), [pdf](#)). Please **ONLY** use the doc for submission, the pdf is only provided in case you may have compatibility issues with word.
- Videos and presentations on the opportunity and application form will be made available shortly



# Serie de Webinars sobre Access to Space for All

	Webinar Title	Learners will be able to	Date
COMMON WEBINARS TO ALL OPPORTUNITIES	Access to Space 4 All	<ul style="list-style-type: none"><li>- describe the Access to Space 4 All Initiative and why it is important</li><li>- describe the objectives of the Access to Space 4 All Initiative</li><li>- list the tracks</li><li>- list the opportunities</li><li>- list the partners of the Access to Space 4 All Initiative</li></ul>	30 September 2020
	How to raise awareness and engage the audience about your project	<ul style="list-style-type: none"><li>- prepare a successful communications plan</li><li>- approach media and permanent missions to raise awareness</li></ul>	28 October
	Space Law and Regulations	<ul style="list-style-type: none"><li>- to enhance understanding of fundamental principles of space law</li><li>- to understand the importance of space object registration</li><li>- describe the steps for frequency registration</li></ul>	11 November
	Ask a winner	<ul style="list-style-type: none"><li>- incorporate lessons learned from previous winners for example solutions and difficulties when undertaking their projects</li></ul>	25 November
	Artificial Intelligence and Access to Space	<ul style="list-style-type: none"><li>- Describe some of the tools that have been made possible by artificial intelligence and how they can be used in the context of Access to Space 4 All</li></ul>	02 December
	Space Engineering Basics	<ul style="list-style-type: none"><li>- describe the different phases of the space engineering process at high level</li><li>- describe the different reviews at high level</li><li>- apply to the development of a system</li></ul>	Date TBC



### DropTES: Master the Microgravity Path

Do you want to test your experiment or your device in microgravity conditions? Learn how to master microgravity experimentation with UNOOSA and the Center of Applied Space Technology and Microgravity (ZARM)! Learn from past winners and ask them questions!

**When:** 18 November 2020

Two sessions will be ca

Click the links to join the

**What:** Join this webinar thinking about applying

### Introduction to the Post-graduate study on Nano-Satellite Technologies (PNST) Fellowship Programme

PNST provides students a chance to enroll in Kyutech and take part in their Space Engineering International Course (SEIC), where you can experience all of this through on-the-job training

Do you want to get a chance to study about nano-satellite systems through using the amazing nano-satellite development and testing facilities provided by Kyutech, one of the most prominent universities in Japan. This is your best chance to learn about this incredible opportunity and ask current and graduate PNST fellows about their experiences! Don't miss it!

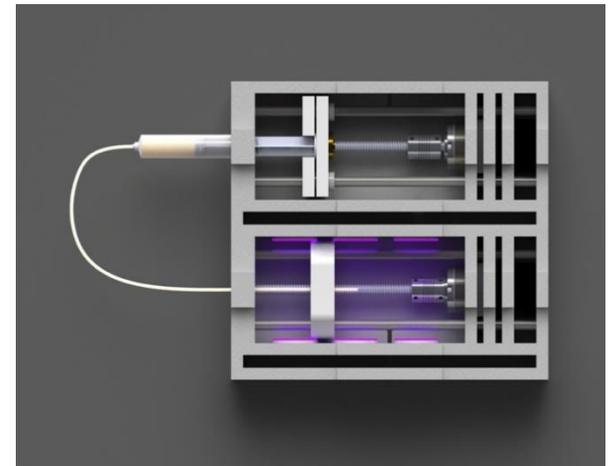
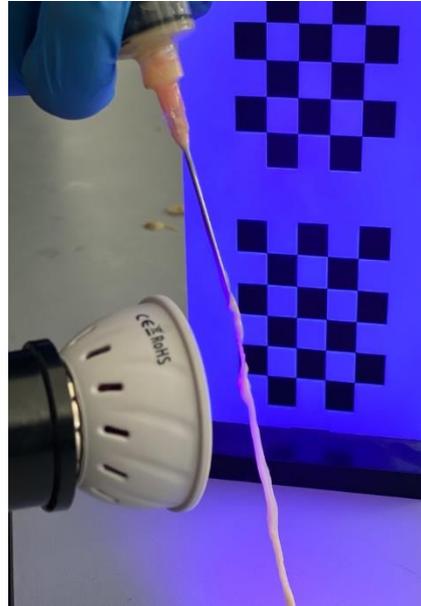
**When:** Monday, 7 December 2020 9:00CET  
Click the link to join the session at [9:00](#) CET.

**What:** Join this webinar if you want to learn more about a once in a life time fellowship opportunity to study nano-satellite development through on-the-job training at Japan.

# DropTES



# DropTES



## Top Facebook posts by total post reach (number of people who have seen the content)

Post Message

Reach ▾

The latest winners of the #DropTES fellowship with #UNOOSA to perform #microgravity research at the #Bremen Drop Tower in #Germany are a team from Universidad Católica Boliviana "San Pablo" and they are already working on their experiment! Together with industry partner Print3D #Bolivia, the 5 team members are conducting research on #3Dprinting under #microgravity conditions, that could benefit manufacturing techniques for both #space #exploration & life on Earth!

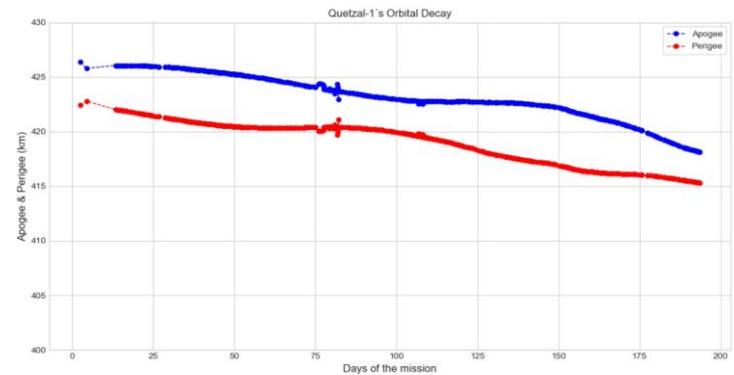
24,565



# KiboCUBE



Credit: Ivan Castro





#AccSpace4All #SpaceScience & #SpaceTechnology

**UNOOSA** @UNOOSA · 23 oct.  
Next week #UNOOSA is continuing our series of #webinars for prospective applicants to our #AccSpace4All Initiative, which offers opportunities for all countries to access & benefit from #space & its applications. [unoosa.org/oosa/en/ourwor...](http://unoosa.org/oosa/en/ourwor...)  
(1/4)  
[Mostrar este hilo](#)



宇宙飛行士を経て #国連宇宙部 @UNOOSA に勤務、現在 #京都大学 で教鞭をとる #土井隆雄 さんインタビュー(2016年) 🙌。あらゆる国や人に宇宙利用へのアクセスを、という気概に満ちたお話。10月4-10日は、#国連宇宙週間 #WorldSpaceWeek #AccSpace4All #SDGs Photo:NASA  
[blog.unic.or.jp/entry/2016/08/...](http://blog.unic.or.jp/entry/2016/08/...)



#AccSpace4All

En respuesta a @UNOOSA  
Someday C

#AccSpace4All



Today @MFA\_Lux  
law for new space  
#AccSpace4All  
40% of the 169 #  
global approach fo  
#LuxAid #Space4SDGs



Loving the initiative #AccSpace4All by @UNOOSA & @Avio\_Group (#VEGA) providing FREE satellite slots for 1U cubesats to ensure the benefits of Space, especially #AI4EO for #SustainableDevelopmentGoals. ACCESSIBLE TO ALL 🌐🌍🌎  
Program and applications open soon #SDGs

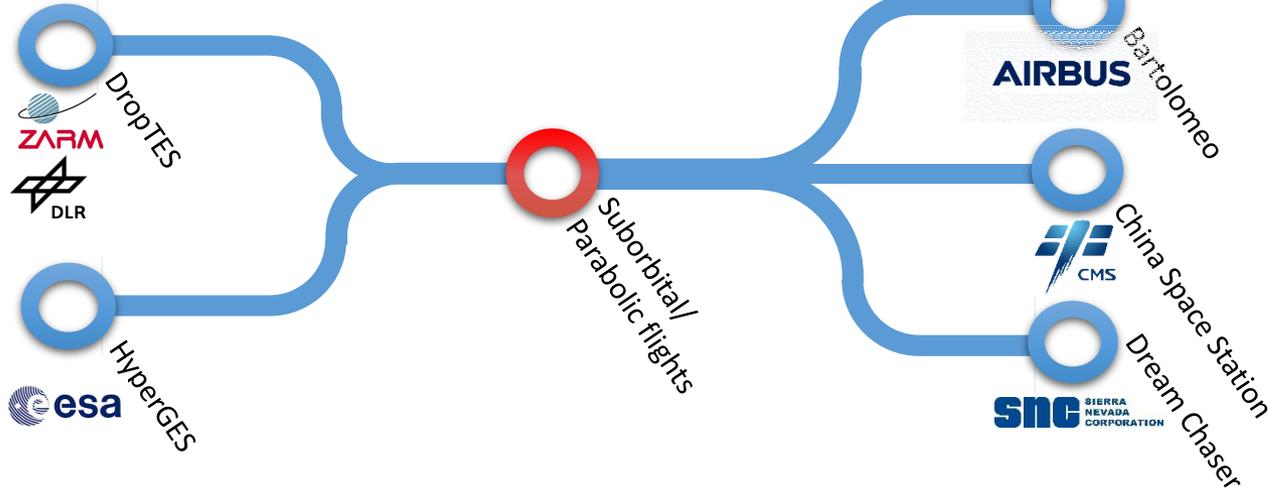


En respuesta a @UNOOSA y @Avio\_Group  
👍👉  
#AccSpace4All





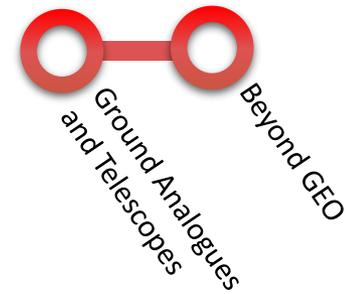
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**THANK YOU**



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