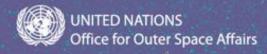
Opportunities for Space Exploration under the United Nations Access to Space for All Initiative



FOR OUTER SPACE AFFAIRS







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



New contributions to the Initiative are possible and encouraged.





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

Provides cutting edge skills for jobs and other opportunities

Fosters international cooperation

Social Impact: To your country, region and young generations

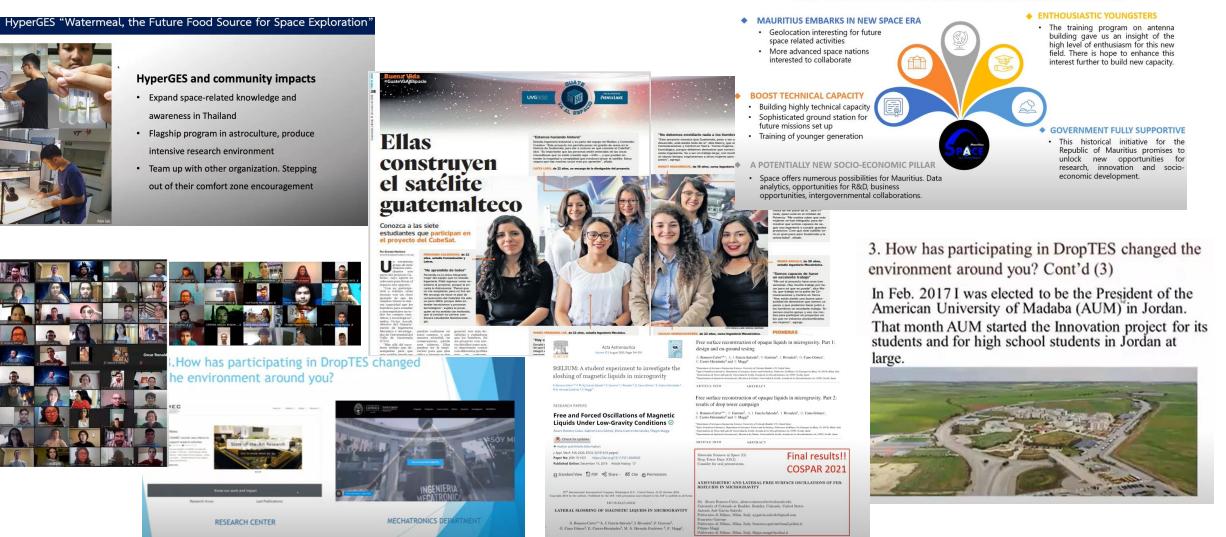




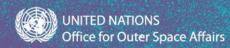
### What if there was no Access to Space for All?

#### FIRST MAURITIAN SATELLITE – OPENING NEW OPPORTUNITIES

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







### **Reach of Access to Space for All**

Daily Press Briefing by the Office of the Spokesperson for the Secretary-General

\*\*Space Week

And as you know, this is Space Week. So I want to flag that, tomorrow, the United Nations Office for Outer Space Affairs, based in Vienna, is organizing a webinar on KiboCUBE programme to mark the Space Week.

The KiboCUBE programme is a collaboration with the Japanese Aerospace Exploration Agency and gives developing countries the opportunity to deploy a satellite from the Japanese module of the International Space Station free of cost. Kenya and Guatemala have already deployed their first satellites into orbit through KiboCUBE, building their space technology skills and gaining access to data and imagery. In the webinar, past and current winners of KiboCUBE will discuss how the programme has helped them with access to space exploration. Other winners, such as Mauritius, Indonesia and Moldova, are set to deploy their satellites through KiboCUBE in the coming months and years.

"The Organization advanced a broad range of technology initiatives related to sustainable development. This included [...] the Access to Space for All initiative."

Report of the UN Secretary-General



8 OCTOBER 2020

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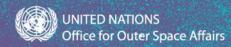
#### AccSpace4All Reach

~1,500,000 social media impressions so far in 2021



"Through its Access to Space for All initiative, UNOOSA bridges the space capabilities gap among countries, striving to make access to space assets and the benefits stemming from their use truly universal. " UNOOSA Annual Report



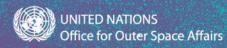




## Space is relevant to the SDGs!

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

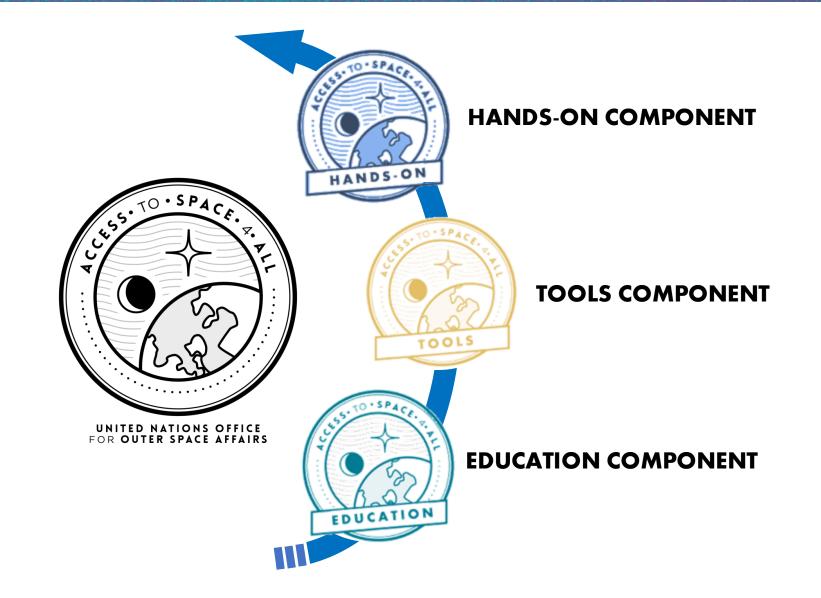




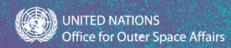


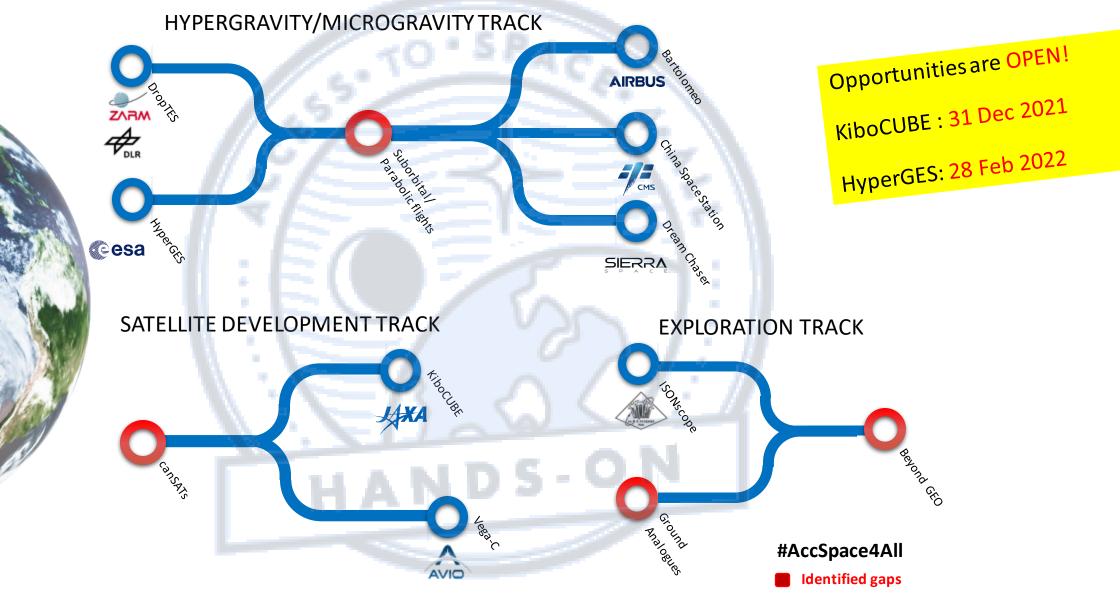




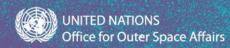


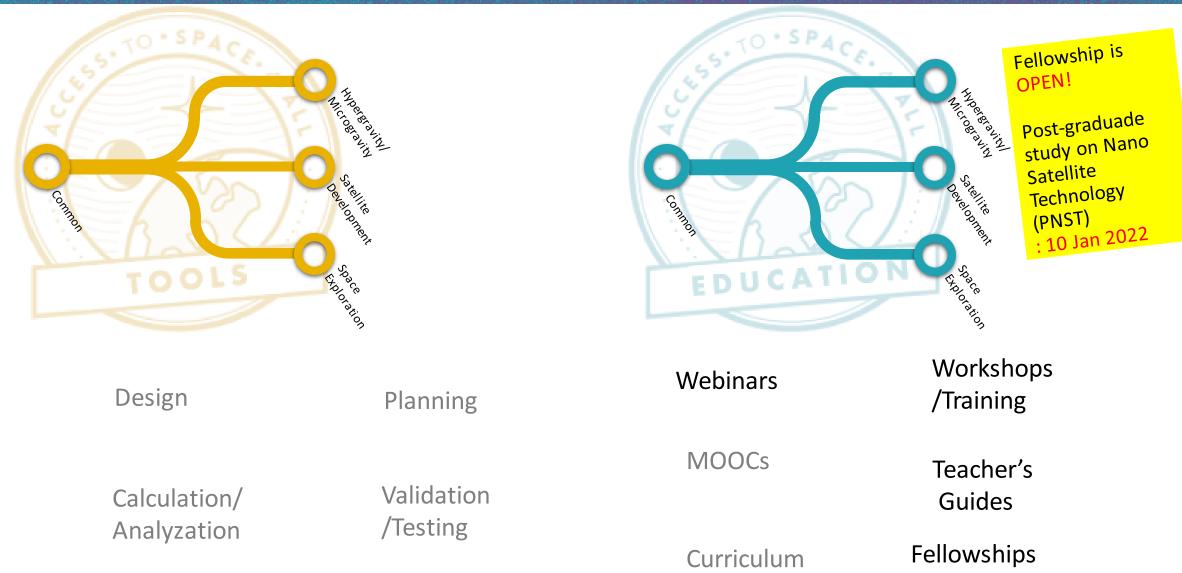














## **Exploration Track**





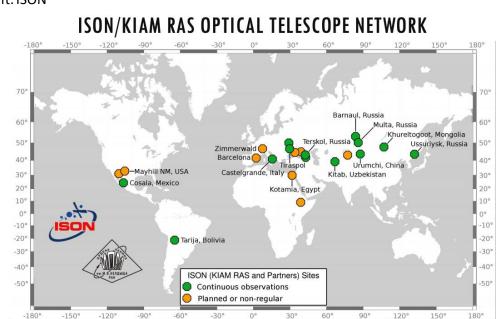
C/2012 S1 (ISON)

### **ISONscope**

- Partner: KIAM RAS (Keldysh Institute of Applied Mathematics, Russian Academy of Sciences)
- Established: 2020
- Aims to provide a small wide field-of-view telescopes to educational or research institutions from developing countries.
- The cooperation is under the International Scientific Optical Network (ISON) and winning teams are expected to contribute to the observation campaigns of ISON.

Photo credit: L. Elenn, ISON-NM observatory (H15)

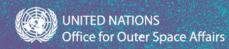




#### Photo credit: ISON



## **Access to Space for All Educational Content**





## "Tips for application" series of webinars

#### October – December 2020

- "How to Raise Awareness about Your Project"
- "Space Law and Regulations"
- "Experiences from Past Winners"
- "Artificial Intelligence and Access to Space for All"
- Two sessions each webinar, reach out for different time zone •
- About 60 participants each webinar •
- Twitter "AccSpace4All" rank top in the Office Available on OOSA's website:

https://www.unoosa.org/oosa/en/ourwork/access2space4all/accspace 4all tips.html

### **QUALITY EDUCATION**

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





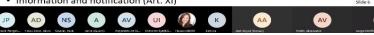
#### Outer Space Treaty

#### Entry into force: 10 October 1967

- Exploration and use of outer space province of all mankind (Article I)
- Principle of non-appropriation (Art. II)
- International law and UN Charter (Art. III)
- Prohibition of Weapons of mass destruction (Art. IV)
- International responsibility for national activities in outer space (Art. VI)
- International liability for damage (Art. VII)
- Registration of space object (Art. VIII)
- · Cooperation and mutual assistance, due regain harmful contamination, harmful interference (Art. IX)



Information and notification (Art. XI)





## **Access to Space for All Educational Content**





### **Workshops**

UN/IAF Workshop

## **Curriculum**

- Methodology ۲
- Syllabus for Direction ٠
- **Baseline for Education** ٠

## **MOOCs**

- A brand-new study platform. ٠
- Everything integrated in one platform. ۲
- Provide a better learning experience. ٠

### **QUALITY EDUCATION**

opportunities for all

Ensure inclusive and equitable quality education and promote lifelong learning





28th Workshop on Space Technology for Socio-Economic Benefits: **"Space Exploration** - A source of inspiration, innovation and discovery"

> 22-24 October 2021 Dubai, United Arab Emirates conjunction with the 72<sup>nd</sup> IAC

Help us help you! #AccSpace4All

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

