

# Access to Space for All Initiative ISONscope Q&A Webinar





# Upcoming activities of UNOOSA



## Pushing Frontiers: Human Spaceflight and Disability Virtual Event

[Join us in this multi-disciplinary webinar](#) to learn more about the ESA Parastronaut Feasibility Project.

Date: 31 March 2021 (Wednesday)

Time: 15:00hr to 16:30hr (CEST)

[Click here to register.](#) Deadline: 30 Mar 2021, 23:59hr (CEST)

## Youth4Climate 2021: Space as a tool to foster climate mitigation and adaptation

The United Nations Office for Outer Space Affairs, in collaboration with the Space Generation Advisory Council, is launching the [2021 edition of the Space4Youth Competition!](#)

To apply, please read the guidelines and rules in the [call for essays](#). Submissions must be received by **26 April 2021, 23:59 GMT**.

### Youth4Climate 2021 Space as a tool to foster climate mitigation and adaptation

The United Nations Office for Outer Space Affairs, in collaboration with the Space Generation Advisory Council, is launching the **2021 edition of the Space4Youth Competition!**

Are you passionate about space and climate?

Climate change is the defining issue of our time. Young people play a key role. UNOOSA and SGAC want to give a voice to and promote youth's ideas on how space can foster climate adaptation and mitigation.

Interested? Apply and become the next Space4Youth Competition Winner!





# Access to Space for All Initiative



*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*



UNITED NATIONS OFFICE  
FOR OUTER SPACE AFFAIRS



#AccSpace4All

## Access to Space and SDGs



**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**

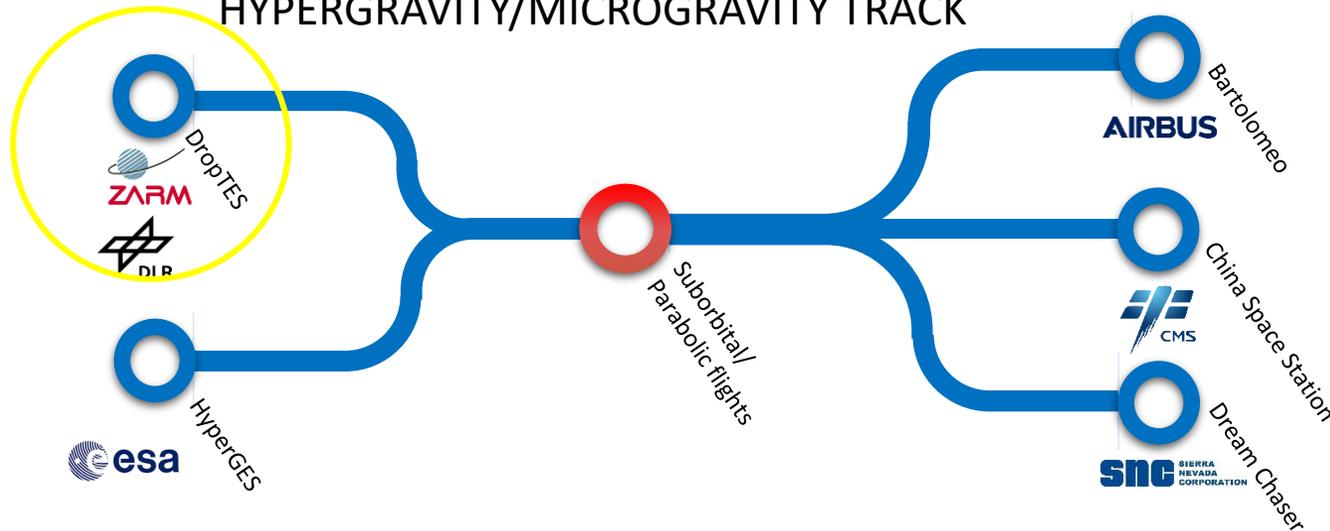
**Education contributes to the economy**



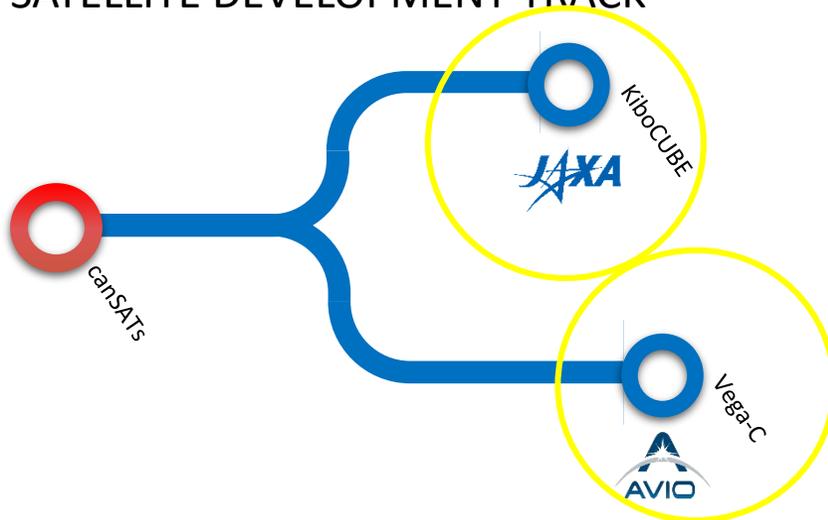
# Access to Space for All Initiative



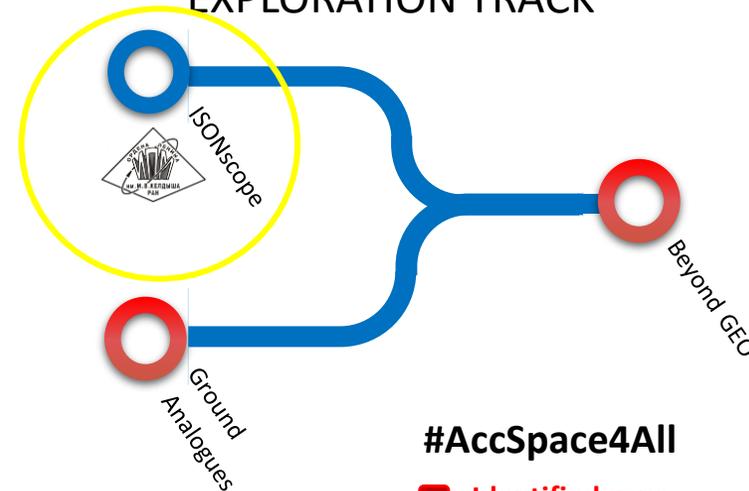
## HYPERGRAVITY/MICROGRAVITY TRACK



## SATELLITE DEVELOPMENT TRACK



## EXPLORATION TRACK



#AccSpace4All

■ Identified gaps



# Access to Space for All Initiative



Opportunities are **OPEN!**

Vega-C -Applications Open until **4 April 2021**

ISONscope -Applications Open until **1 May 2021**

KiboCUBE -Applications Open until **31 May 2021**

DropTES -Applications Open until **30 June 2021**

More Webinars are **COMING!**

Hypergravity/Microgravity Series Webinars Start from **21 April 2021**

Join us for a series of 9 webinars dedicated to the amazing field of Hypergravity and Microgravity!

Stay tuned every Wednesday! [Register NOW!](#)





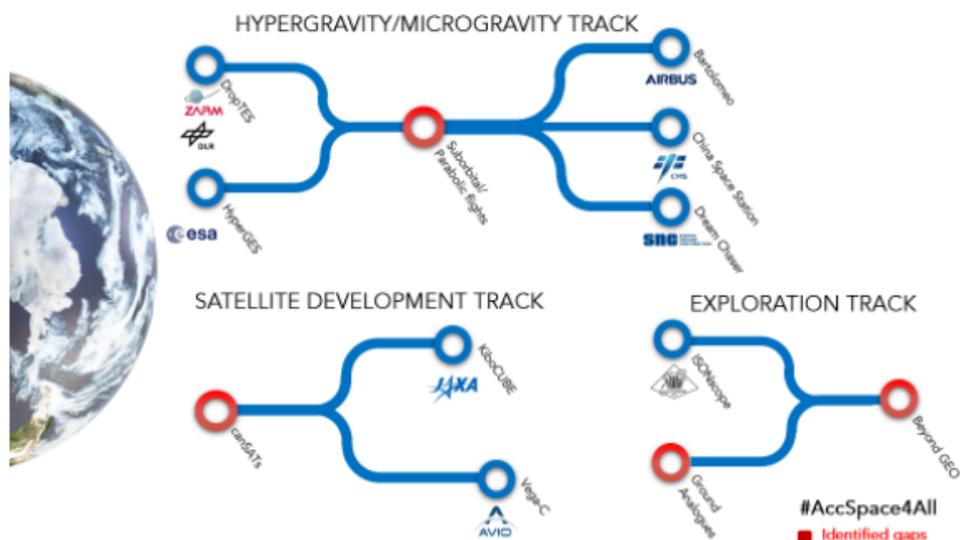
# Access to Space for All - ISONscope



<https://www.unoosa.org/oosa/en/ourwork/access2space4all/index.html>

## Access to Space for All Initiative

A single opportunity has limited impact but a structured initiative has long lasting effects permeating all societal pillars



The United Nations Office for Outer Space Affairs (UNOOSA) has conducted capacity-building activities such as conferences and training courses for almost 50 years. However, we have noticed an increasing demand for hands on expertise related to access to space. To answer to the increasing demand for hands-on capacity-building, UNOOSA started to provide hands on opportunities in collaboration with various partners back in 2012 and, in 2018, launched the Access to Space for All Initiative which organizes all the hands-on opportunities offered by UNOOSA in three different tracks of increasing complexity, aiming at developing capacity in different space-related areas from A to Z.

Jump to the specific pages of the opportunities listed in the table below or continue reading to get practical advice to improve your application.

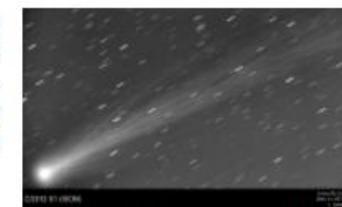
Hypergravity/Microgravity Track	Satellite Development Track	Exploration Track
DropTES	KiboCUBE	ISONscope
HyperGES	Vega-C	
Bartolomeo		
China Space Station		
Dream Chaser		

<https://www.unoosa.org/oosa/en/ourwork/psa/bssi/isonscope.html>

## Telescope provision in cooperation with Keldysh Institute of Applied Mathematics



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 Keldysh Institute of Applied Mathematics (Russian Academy of Sciences) (KIAM RAS) have joined forces to provide telescopes to developing countries and associated capacity-building on astronomy. Check out the upcoming webinar!



Comet ISON (Credit: L. Elenin, ISON-NM observatory (H15))

### OPPORTUNITY MATERIALS

#### DOCUMENTS

- Announcement of Opportunity
- Application Form ( doc and pdf)

#### ADDITIONAL MATERIAL

- Frequently Asked Questions
- List of equipment compliant with ISON

#### WEBINAR

**Find the Announcement of Opportunity and Application Form to start your application**



# Access to Space for All - ISONscope



https://www.unoosa.org/oosa/en/ourwork/access2space4all/index.html

https://www.unoosa.org/oosa/en/ourwork/access2space4all/accspace4all\_tips.html#Tag1

### ISONscope Q&A: Thursday 25 March 10:30CET/16:30CET

Please kindly register from the link [here](#).

We will give a short presentation in the beginning and answer questions we received from the forms beforehand and chats during the webinar.

DO NOT MISS OUT on this opportunity!

### Hypergravity/Microgravity Webinar Series: Every Wednesday 21 April - 16 June

A new series of 9 webinars with experts all over the world to introduce what Hypergravity/Microgravity is and the benefits, what type of research can be done, the fundamentals and technical aspects of research/development and more!

We will also dive into specific scientific topics such as life science, physical science and technology demonstration.

For more details, please click [here](#) for overview document.

Please kindly register for the first webinar on 21 April from the link [here](#).

### Past webinars

#### Information Briefing Webinar -What is the Access to Space for All Initiative?

10 March 2021 [Presentation / Video](#)

#### Tips on how to improve your application

The Office organized a series of webinars to help potential applicants to improve their applications. (Series conducted in Fall/Winter 2020)

#### How to raise awareness about your project

[Find all the materials of the webinar here](#)

#### Space Law and Regulations

[Find all the materials of the webinar here](#)

#### Ask a winner

[Find all the materials of the webinar here](#)

#### Access to Space for All and Artificial Intelligence

[Find all the materials of the webinar here](#)

initiative in contributions possible and



UNITED NATIONS Office for Outer Space Affairs



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Our Work > Access to Space for All

## Tips for an Access to Space for All application

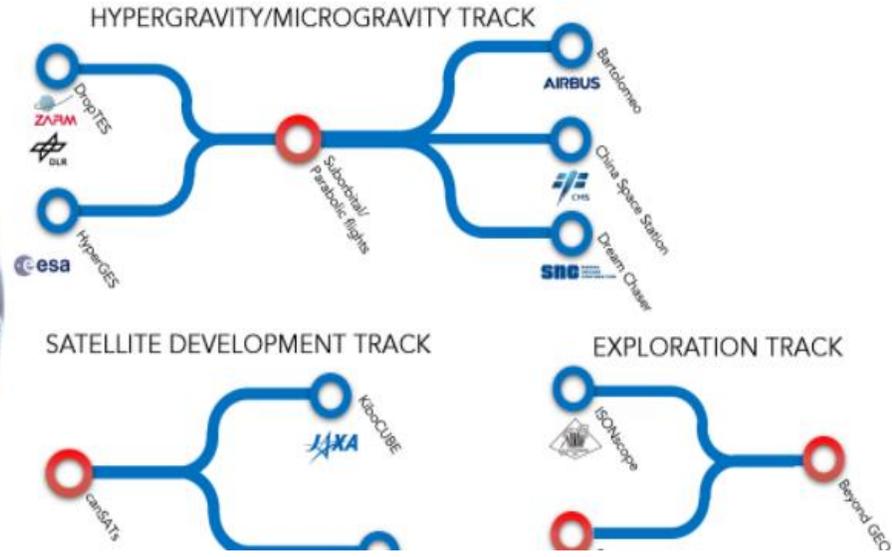
[Jump to the section on "How to Raise Awareness about Your Project"](#)

[Jump to the section on "Space Law and Regulations"](#)

[Jump to section on "Experiences from Past Winners"](#)

[Jump to section on "Artificial Intelligence and Access to Space for All"](#)

**Plenty of useful information helping you prepare a better application!**



- ### Our Work
- Secretariat of COPUOS
  - Programme on Space Applications
  - UN-SPIDER
  - International Committee on GNSS
  - UN-Space
  - UNISPACE+50
  - Space Law
  - Benefits of Space
  - Space4Health
  - Access to Space for All
  - Space for People with Disabilities
  - Space4Youth
  - Space4Water
  - Space4Women
  - World Space Forum
  - Worldwide Space Agencies



# Access to Space for All - ISONscope

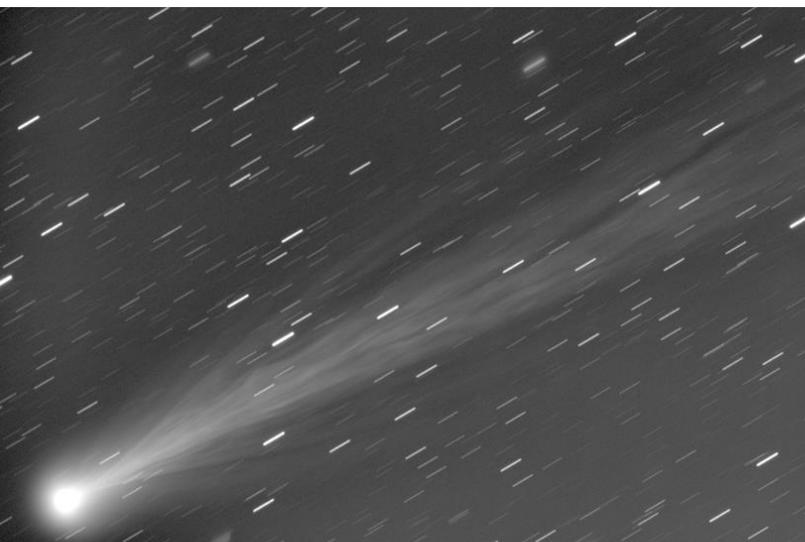


## ISONscope -Applications Open until 1 May 2021!

- 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)

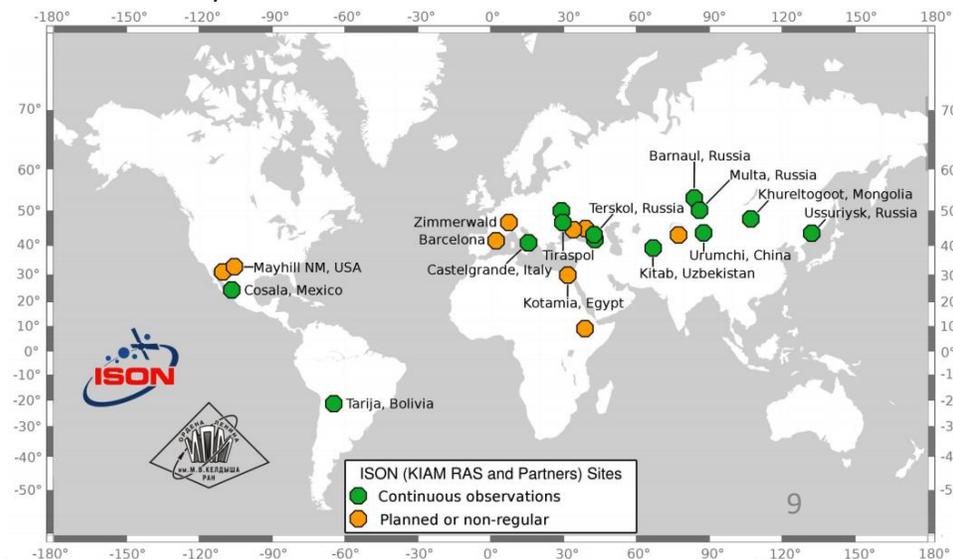


C/2012 S1 (ISON)

Photo credit: ISON



### ISON/KIAM RAS OPTICAL TELESCOPE NETWORK





# Access to Space for All - ISONscope



## United Nations/Keldysh Institute of Applied Mathematics, Russian Academy of Sciences, Cooperation Programme on Telescope Provision: ISONscope

### Announcement of Opportunity

27 January 2021

- 1. Thematic Area:** Access to Space for All
- 2. Title:** United Nations/Keldysh Institute of Applied Mathematics Cooperation Programme on Telescope Provision
- 3. Implementing Organizations:** United Nations Office for Outer Space Affairs (OOSA) and Keldysh Institute of Applied Mathematics, the Russian Academy of Sciences (KIAM RAS), which realizes the International Scientific Optical Network (ISON)
- 4. Deadline for Applications:** Fully completed application forms must be submitted to the United Nations Office for Outer Space Affairs **by 1 May at 23:59 CET**. Applicants will be notified of the outcome of their application by 1 July 2021.
- 5. Number of Opportunities:** 2 (one single organization cannot get two telescopes under this opportunity)



# Access to Space for All - ISONscope

## (A) Eligibility Criteria

This Opportunity is open to entities located in **developing countries** that are Member States of the United Nations. The following are eligible to apply:

- Heads of eligible institutions, namely, research organizations, higher education institutions and universities, regional or international organizations in developing countries<sup>1</sup>.

Entities applying for this are responsible for the preparation of the site where the telescope will be hosted, as well as its operations once installed.

To be eligible for this Opportunity, in addition to the above, the following criteria will be checked:

- Completeness of the application form (all mandatory fields filled in)
- Implementation feasibility
- Section 1.3 completed (signed and stamped)
- Description of all the costs to implement activities described in the application form shall be included in the budget section of the application form
- Conditions set in Paragraph 10 (Section B, Section C) are fulfilled.

<sup>1</sup>The list of developed countries, economies in transition and developing countries used for this opportunity can be found in the statistical annex (tables A.1, A.2 and A.3) of the [“World Economic Situation and Prospects 2020”](#) report



# Access to Space for All - ISONscope



## 9. Programme Schedule and Milestones

### (A) Programme Schedule

Application Submission	1 May 2021
Selection and notification of shortlisted applicants	1 May 2021
Additional documentation request	1 July 2021
Review and signature of an agreement with KIAM RAS	24 October 2021
Announcement of the winner	24 October 2021
Preparation period including technical coordination	Approximately 6—18 months (subject to the progress towards deployment)
Deployment and training of experts	To be determined and arranged by KIAM RAS taking into account the progress of the preparation for the deployment
Report to be submitted to OOSA	Every 6 months after the deployment

It must be noted that the deployment schedule may change due to deployment preparatory activities or for any other reasons.



# Access to Space for All - ISONscope

## (B) Selection Criteria

The Selection Board consists of members nominated by OOSA and will be supported by KIAM RAS and will review the incoming applications according to the following criteria:

- Completeness of application form.
- Completeness of the outreach and communications plan.
- Suitability of the long-term plan for maintaining the facility and the operations.
- Adequacy of the facility where the telescope will be hosted. Aspects such as light pollution, average number of clear night hours per year, station visibility diagram (azimuth-elevation mask), available infrastructure (e.g. road, electricity supply, connectivity...), etc, will be considered. Sites having significantly less than 1500 clear night hours per year are not eligible for the selection process. Sites having significant light pollution (more than 4 on the Bortle scale or 20.4 mag/arcsec<sup>2</sup>) are not eligible for the selection process.
- Envisaged number of nights per year when the telescope will be in operation (in view of presence of an operator of the telescope, etc.). Applications implying less than 100 observation nights per year are not eligible for the selection process.
- Science objectives to be achieved.
- Inclusive team.
- Compliance with the Programme Schedule (Paragraph 9, Section A), including the deployment schedule.
- The total budget available for the Programme implementation: preparatory work at the site, maintaining and operation of the telescope, maintaining the telescope pavilion, travel expenses, etc.
- Availability of equipment that consistent with items in **the list of the equipment compliant with ISON.**



# Access to Space for All - ISONscope



## 13. Application Submission

The **fully completed application documents of the letter of endorsement from the head of the entity** (Document 1) and **KIAM RAS Telescope Application** (Document 2) must be submitted to OOSA by 1 May 2021, 23:59 CET by email to the following address:

[unoosa@un.org](mailto:unoosa@un.org)

In the email, applying entities are requested to attach the application forms as a pdf-file (.pdf). **Text in the submitted file shall be selectable except for Section 1.3 of the application form. Section 1.3 should be submitted as a scan of the original.** Please note that the OOSA email account only accepts emails with a size limit of up to 10 Mbytes (please split your documentation if necessary). Submission of the complete application form is mandatory.

After receipt, OOSA, with the assistance of KIAM RAS, will proceed to evaluate each application. At OOSA's sole discretion, additional information may be requested from applicants, if necessary, to assist in the evaluation of the application. The selection process will be carried out in two stages, a set of entities will be shortlisted. Additional documentation may be requested from the shortlisted entities in order to conduct a further evaluation. This evaluation, if needed, is a pre-requisite aiming at the signature of the agreement on scientific and technical cooperation with KIAM RAS. Once the Selected Entity has signed the agreement with KIAM RAS, the selection results will be made public jointly by OOSA and KIAM RAS. All awards are final, are made at the sole discretion of OOSA, and not subject to challenge or review.

# Thank you

