



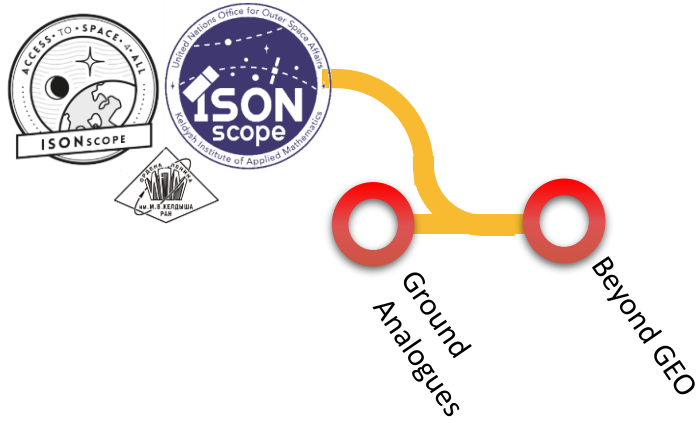
Access to Space for All ISONscope



UNITED NATIONS
Office for Outer Space Affairs



EXPLORATION TRACK



#AccSpace4All





SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 	SUSTAINABLE DEVELOPMENT GOALS





SUSTAINABLE DEVELOPMENT GOALS



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



**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)





Through this Announcement of Opportunity, OOSA and KIAM RAS undertake to provide a small wide field-of-view telescope, including an optical tube having an aperture of about 20 cm, telescope mount, CCD/CMOS camera (if necessary), focuser (if necessary), and training of experts to operate it.



(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 countries¹.

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.

¹The 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



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.



(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/arcsec²) 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**.



11. Roles and Responsibilities

1. The Selected Entity will conduct the following activities:
 - a. Provide a timeline of preparatory work at the site for the telescope installation.
 - b. Select a team of persons responsible for the telescope operation. The team will receive training from KIAM RAS.
 - c. Maintain the equipment and facilities related to the telescope and carry out regular observations.
 - d. Allocate at least 50% observing time for observation campaigns of KIAM RAS (ISON).
 - e. Submit a report on the executed activities (Operations Report) to OOSA every six months.
 - f. Submit a report on the progress in commissioning of the telescope and training of staff members to OOSA (Deployment and Training Report).
 - g. Provide the data to the Open Universe Nodes.
 - h. Cooperate with the public relations and promotion activities of OOSA and KIAM RAS including responding to press inquiries about the activities of the Selected Entity.





11. Roles and Responsibilities

3. KIAM RAS shall provide the telescope to the Selected Entity, including an optical tube, telescope mount, CCD/CMOS camera (if necessary), focuser (if necessary). The provision of the telescope will be implemented based on a signed agreement between KIAM RAS and Selected Entity for a period of 5 years with the possibility of further extension. The movement of the telescope and all related equipment to the country of the Selected Entity can be carried out based on temporary admission only (import regulations implying returning goods to the origin country after a certain amount of time).
4. KIAM RAS shall support the Selected Entity for installing and commissioning the telescope in-situ, and for appropriate training for its operation. KIAM RAS staff will be allocated to provide this support.
5. KIAM RAS shall provide and install the software needed for proper telescope operation and, images processing necessary to join KIAM RAS (ISON) observation campaigns.
6. KIAM RAS shall provide to the Selected Entity ephemerides and observing schedules needed to join KIAM RAS (ISON) observation campaigns.
7. KIAM RAS shall perform analyses of data obtained from the Selected Entity related to KIAM RAS (ISON) observation campaigns.





United Nations/Keldysh Institute of Applied Mathematics

ISON Telescope Provision Application Form

INSTRUCTIONS TO FILL IN THE APPLICATION FORM

Fill each and every section of this document with as much detail as you can, following the instructions given.







THANK YOU



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