



Access to Space for All initiative Expert Meeting

Technical Presentation

Sixty-sixth session of the Committee on the Peaceful Uses of Outer Space

31 May 2023



UNITED NATIONS OFFICE
FOR OUTER SPACE AFFAIRS

Hazuki Mori

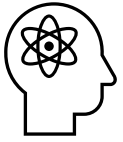
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Access to Space for All

Space Technology Capacity Building

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**



Acquire cutting-edge skills for jobs and other opportunities and **develop hands-on capabilities** from A-Z



Free of charge access to unique ground and space infrastructure, technology, and information



Gain international cooperation experience through working with the UN and space-faring partners



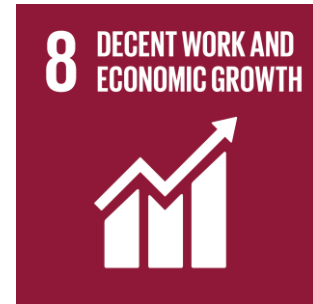
Visibility to their R&D and space activities



Motivate the young generation and **boost interest in STEM**

Access to Space for All in Numbers

- **9** Hands on Opportunities
- **1** Annual Fellowship
- **32** Awardees involving **44** Entities from **32** countries
- **5** CubeSats launched
- **7** Microgravity Experiments performed
- **20** projects in development
- **68** Scholarships granted
- **100+** Hours of educational content on YouTube





Access to Space for All Opportunities



HYPERGRAVITY/
MICROGRAVITY



Suborbital and
parabolic flights



SATELLITE
DEVELOPMENT

canSATs

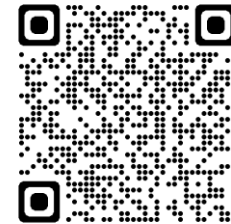


SPACE
EXPLORATION



Ground
Analogue

Beyond GEO





Access to Space for All

Overview of the Expert Meeting



Details

Date: 15 - 17 May 2023

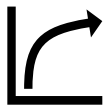
Format: online

Target Audience: partners, awardees, government, potential applicants and partners, and the general public

Objectives



Share and gain insights from success stories and challenges on capacity-building activities and effective outreach



Discuss **how to improve** the Access to Space for All initiative



Bring together partners, awardees, supporting governments, and potential future partners and applicants of the initiative to **build new partnerships**



Raise awareness of the Access to Space for All initiative





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Agenda of Expert Meeting

Day 1 Monday 15 May

- Opening Remarks
- Overview of the Access to Space for All initiative
- Session 1: Introduction of the Hypergravity and Microgravity Track

Day 2 Tuesday 16 May

- Session 2: Introduction to the Satellite Development Track
- Session 3: Introduction to the Space Exploration Track

Day 3 Wednesday 17 May

- Session 4: Effective Outreach
- Session 5: Lessons Learned and Way Forward
(Only for partners, awardees and past applicants)



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Presentations and **Videos** are available on our website!

Click [here](#) or scan the **QR code**

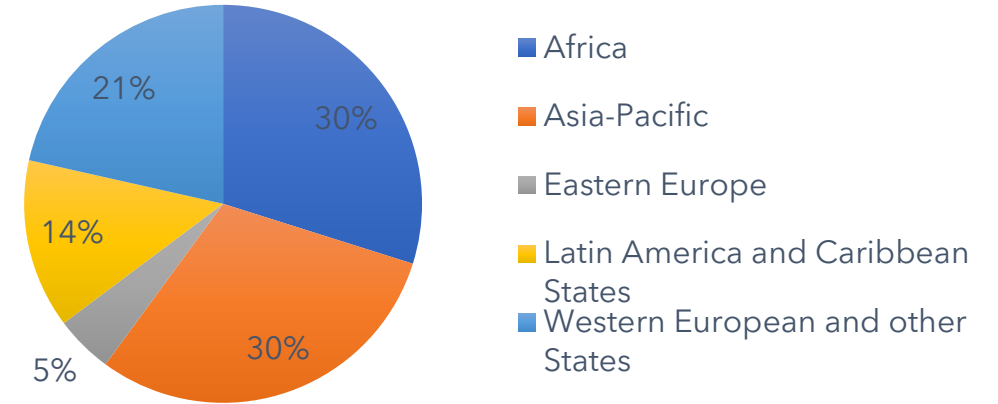


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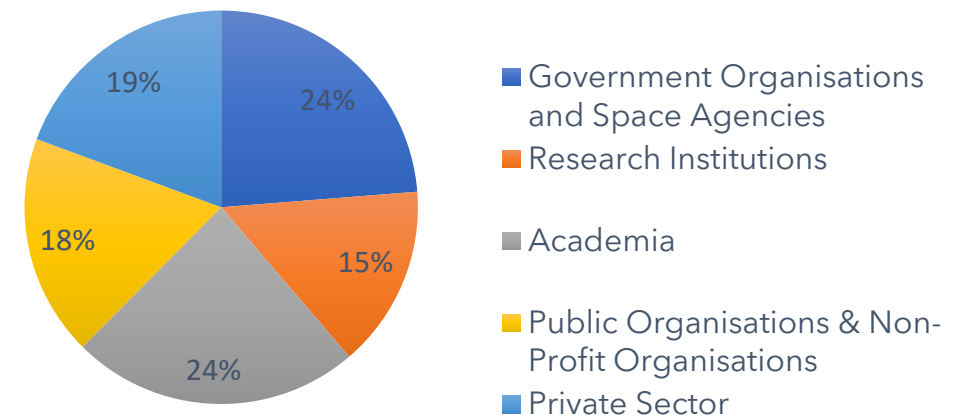
Results of the Expert Meeting

- **596** people from **89** nations registered.
178 from Africa, 180 from Asia-Pacific, 28 from Eastern Europe, 82 from Latin America and the Caribbean, and 128 from Western European and other States
- **More than 100 attendees** at any given time with a maximum of **140** attendees connecting simultaneously.
- **28** speakers (of which 10 were women)
- The average rating of the event was **4.65** (out of 5)

Registration - Nationality



Registration - Type of Organisations





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Impact and Lessons Learnt



Impact



Opportunities and Partnerships: able to draw new partners and get connected with international space actors, get exposed to the space industry, build capacity for the workforce

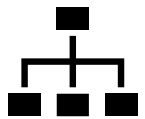


Raised Visibility: media coverage for the awardee entity but also to space and STEM education, encouraged the participation of women and the young generation

Lessons Learnt from Awardees



Funding: financial budget must be **carefully considered and planned in advance for the long process**



Team Organisation: need to assess human resources, learn to work with multidisciplinary teams, have **project management and systems engineering skills**



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Recommendations

Existing Opportunities



Publish an **annual plan** of the schedule



Training and information sharing on legal issues related to the implementation of the projects



More **outreach on different platforms** of social media

Future Activities



More **educational material and scholarship and internship opportunities** for students and educators in countries with limited space education programs



More hands-on opportunities such as;

- **microgravity experiment opportunities onboard space stations;**
- **launching opportunities for nanosatellites;**
- **access to a network of laboratories;**
- support to the **development of ground station infrastructure;** and
- **space exploration-related** activities.



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Way Forward



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- UNOOSA and the partners will **take the feedback into consideration** when opening a new round of applications.
- List of opportunities to be open in 2023
 - DropTES : 31 May 2023** see the [DropTES Rounds page](#) or scan the QR code
 - HyperGES : 31 May 2023** see the [HyperGES Rounds page](#) or scan the QR code
 - KiboCUBE : 2 June 2023** see the [KiboCUBE Rounds page](#) or scan the QR code
 - Payload Hosting Initiative (PHI) : Q4 2023**
 - Post-graduate study on Nano-Satellite Technologies (PNST) Fellowship: Q4 2023**
- Continue to build **new partnerships to provide more opportunities.**
- Explore more ways of **advancing outreach activities.**





Access to Space for All

Partnerships



We are looking for...



On-ground and on-orbit experiment opportunities



Sub-orbital, parabolic and balloon flight opportunities



Launch opportunities for CubeSats/hosted payloads



Access to infrastructure and provision of scientific tools



Fellowships/internships for students/professors from developing countries



Educational content



Open-source cost-free software and tools





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Thank you!