



**The Cooperation Programme
between UNOOSA and JAXA
on CubeSat deployment from
the International Space
Station (ISS) Japanese
Experiment Module (Kibo)
“KiboCUBE”**



UNITED NATIONS
Office for Outer Space Affairs



What is KiboCUBE?

- A cooperation programme between United Nations Office for Outer Space Affairs (UNOOSA) and Japan Aerospace Exploration Agency (JAXA) which started from 2015, implemented under the Access to Space for All Initiative.
- Aims to provide educational or research institutions from developing countries with opportunities to deploy cube satellites (CubeSats) which they develop and manufacture from the International Space Station (ISS) Japanese Experiment Module (Kibo)



Why KiboCUBE?

- CubeSats offer a large variety of applications and developing a CubeSat can be the first step for a country in acquisitions of the skills and know-how needed to develop a space programme
- CubeSats are affordable to develop and represents an achievable entry point to space activities; in KiboCUBE **JAXA will bear the cost of the launch of the CubeSat to the ISS and deployment from Kibo**
- Lower vibration and more friendly environment during launch
- Administrative support from UNOOSA and technical support from JAXA during the development



KiboCUBE for Sustainable Development Goals (SDGs)

KiboCUBE may contribute to the SDGs below by fostering innovation and supporting education and training on skillsets for developing cutting-edge technology.

SDG 4 "Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all";

SDG 8 "Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all"

SDG 9 "Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation"

4 QUALITY EDUCATION









8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

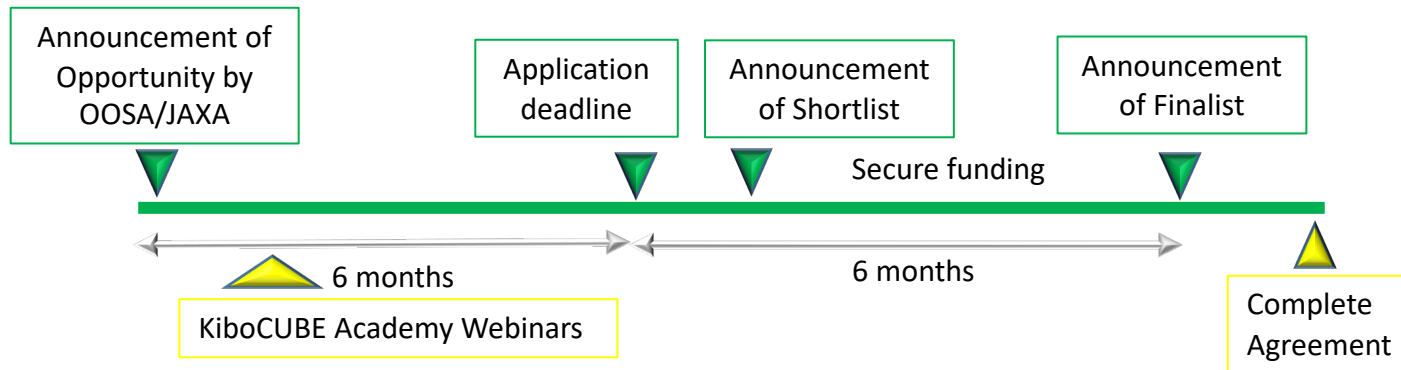


Previous Winners

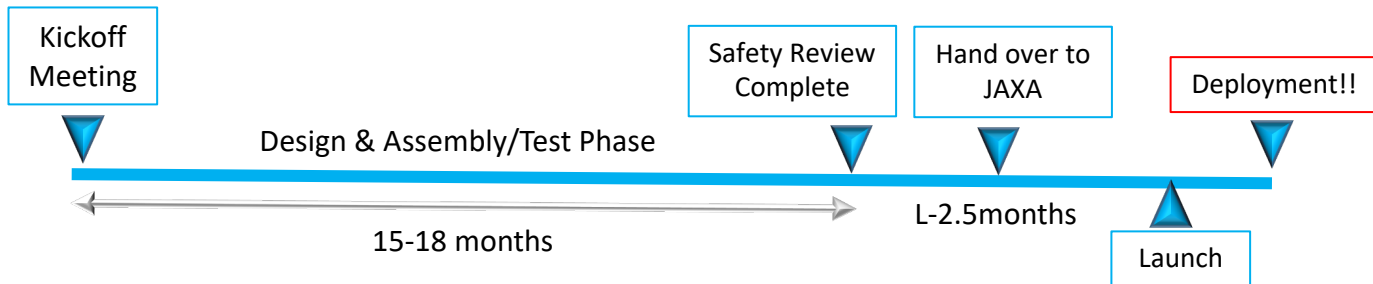
	Winner		Objective	Deployed	Launched	Selected
1 st round	KENYA: University of Nairobi "1KUNS-PF"		To monitor agriculture and coastal areas	11.05.2018	04.2018	08.2016
2 nd round	GUATEMALA: Universidad de Valle De Guatemala "Quetzal-1"		To acquire remote sensing data for natural resource management	29.4.2020	03.2020	09.2017
3 rd round	MAURITIUS: Mauritius Research Council "MIR-SAT 1"		To collect thermal infrared images and to test onboard communication	Currently under development		06.2018
3 rd round	INDONESIA: Surya University "SS-1"		To demonstrate remote communication	Currently under development		09.2018
4 th round	MOLDOVA: Technical University of Moldova "TUMnanoSAT"		To demonstrate technology and test various components	Currently under development		06.2019
5 th round	SISTEMA DE LA INTEGRACIÓN CENTROAMERICANA "MORAZAN-SAT"		To monitor weather variables in remote areas providing early warning during extreme weather events	Currently under development		12. 2020

KiboCUBE Milestone

Selection Schedule (around 12months)



Development Schedule (around 18months)

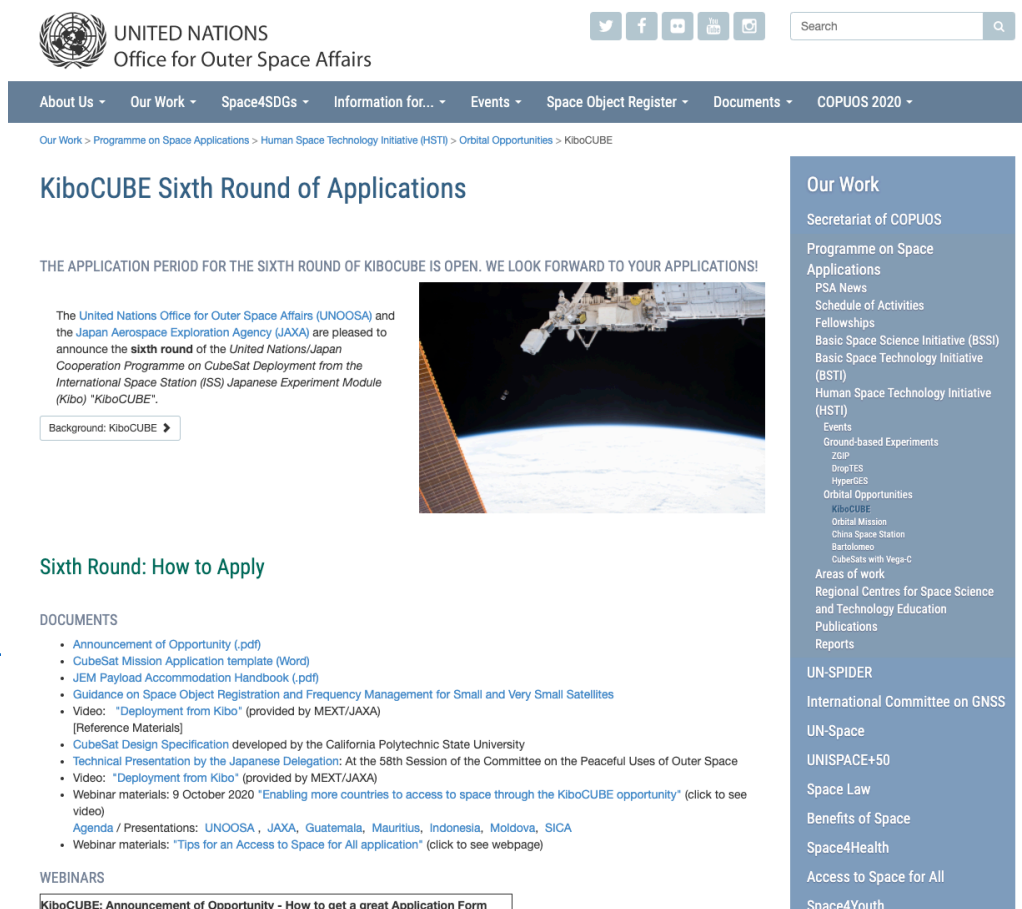


How to apply for the 6th Round of KiboCUBE

- **Application Submission Deadline:**
31 May 2021
- Selection and notification of shortlisted: Middle of July 2021
- Updated application submission: 31 October 2021
- Final selection and notification of winner(s): 1 December 2021

Find the documents at
<https://www.unoosa.org/oosa/en/our-work/psa/hsti/kibocube/kibocube/2020.html>

Join us in the KiboCUBE Academy
 Technical webinars to be held in early 2021!



The screenshot shows the United Nations Office for Outer Space Affairs website. The header includes the UN logo and the text "UNITED NATIONS Office for Outer Space Affairs". Below the header is a navigation bar with links: "About Us", "Our Work", "Space4SDGs", "Information for...", "Events", "Space Object Register", "Documents", and "COPUOS 2020". A search bar is also present.

The main content area is titled "KiboCUBE Sixth Round of Applications". It features a large image of a satellite in space. Below the image, there is a text box that reads: "THE APPLICATION PERIOD FOR THE SIXTH ROUND OF KIBOCUBE IS OPEN. WE LOOK FORWARD TO YOUR APPLICATIONS!".

Below this text, there is a paragraph: "The United Nations Office for Outer Space Affairs (UNOOSA) and the Japan Aerospace Exploration Agency (JAXA) are pleased to announce the **sixth round** of the *United Nations/Japan Cooperation Programme on CubeSat Deployment from the International Space Station (ISS) Japanese Experiment Module (Kibo)* 'KiboCUBE'."

Below the paragraph, there is a button that says "Background: KiboCUBE".

On the right side of the page, there is a sidebar titled "Our Work". It lists various programs and initiatives, including "Secretariat of COPUOS", "Programme on Space Applications", "PSA News", "Schedule of Activities", "Fellowships", "Basic Space Science Initiative (BSSI)", "Basic Space Technology Initiative (BSTI)", "Human Space Technology Initiative (HSTI)", "Events", "Ground-based Experiments", "ZGP", "DagTIS", "HyperGES", "Orbital Opportunities", "KiboCUBE", "Orbital Mission", "China Space Station", "Bartolomeo", "CubeSats with Vega-C", "Areas of work", "Regional Centres for Space Science and Technology Education", "Publications", "Reports", "UN-SPIDER", "International Committee on GNSS", "UN-Space", "UNISPACE+50", "Space Law", "Benefits of Space", "Space4Health", "Access to Space for All", and "Space4Youth".

Below the sidebar, there is a section titled "DOCUMENTS" which lists several documents, including "Announcement of Opportunity (.pdf)", "CubeSat Mission Application template (Word)", "JEM Payload Accommodation Handbook (.pdf)", "Guidance on Space Object Registration and Frequency Management for Small and Very Small Satellites", "Video: 'Deployment from Kibo' (provided by MEXT/JAXA)", "Reference Materials", "CubeSat Design Specification developed by the California Polytechnic State University", "Technical Presentation by the Japanese Delegation: At the 58th Session of the Committee on the Peaceful Uses of Outer Space", "Video: 'Deployment from Kibo' (provided by MEXT/JAXA)", "Webinar materials: 9 October 2020 'Enabling more countries to access to space through the KiboCUBE opportunity' (click to see video)", "Agenda / Presentations: UNOOSA, JAXA, Guatemala, Mauritius, Indonesia, Moldova, SICA", and "Webinar materials: 'Tips for an Access to Space for All application' (click to see webpage)".

Below the documents, there is a section titled "WEBINARS" which lists "KiboCUBE: Announcement of Opportunity - How to get a great Application Form".

**KiboCUBE:
THE COOPERATION PROGRAMME
BETWEEN UNOOSA AND JAXA
ON CUBESAT DEPLOYMENT
FROM THE INTERNATIONAL
SPACE STATION (ISS) JAPANESE
EXPERIMENT MODULE (Kibo)**





THANK YOU!

**For any inquiries:
UNOOSA Access to Space
<unoosa-access-to-
space@un.org>**



UNITED NATIONS
Office for Outer Space Affairs