

Access to Space for All

Current opportunities

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UNITED NATIONS
Office for Outer Space Affairs



Access to Space for All

“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”



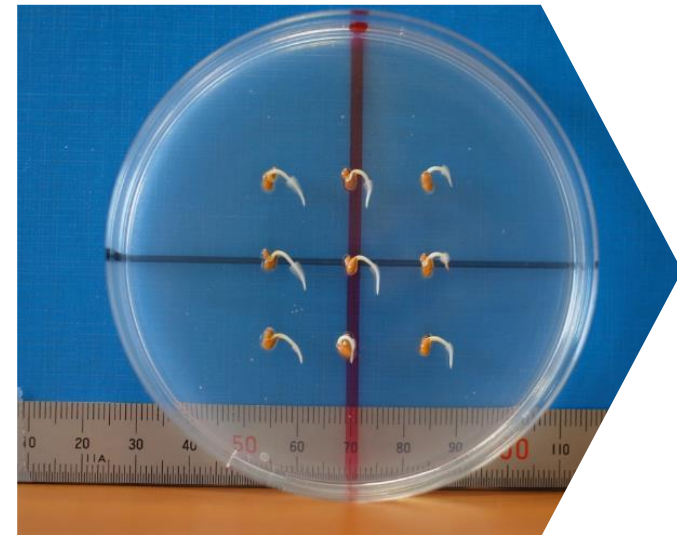
ZGIP–Zero Gravity Instrument Project

- 2013 to 2018
- Promotes space education and research in microgravity
- Distributed over 30 one-axis clinostats worldwide to qualified schools, universities, research centres and institutes.



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The clinostat has one rotational axis perpendicular to the gravity vector. Rotating samples at a constant speed can cancel the effects of gravity, thus creating a simulated microgravity condition on the ground.





Fellowship Programme for "Drop Tower Experiment Series" (DropTES)

- Experiments at the Bremen Drop Tower (4 drops or catapult launches, 5-10 seconds of microgravity)
- Research teams:
 - Must be from entities in UN Member States
 - Should comprise of 4 bachelors, masters, and/or PhD students who must be endorsed by their academic supervisor (team leader)
- **Deadline 29 February 2020**
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Fellowship Programme on the Large Diameter Centrifuge Hypergravity Experiment Series (HyperGES)

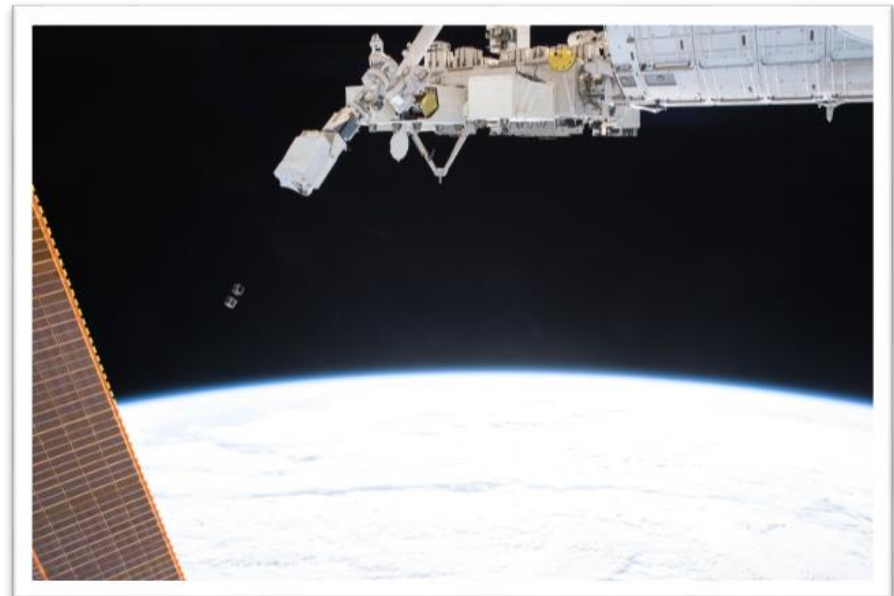
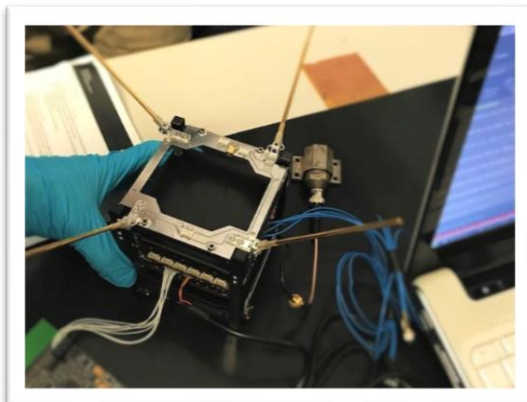
- Hypergravity experiment series at the Large Diameter Centrifuge (LDC) facility, ESTEC
- Research teams:
 - Must be from entities in UN Member States
 - Should comprise of 4 bachelors, masters, and/or PhD students who must be endorsed by their academic supervisor (team leader)
- **Last deadline 31 January 2020**
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CubeSat Deployment from the ISS Japanese Experiment Module (Kibo) "KiboCUBE"

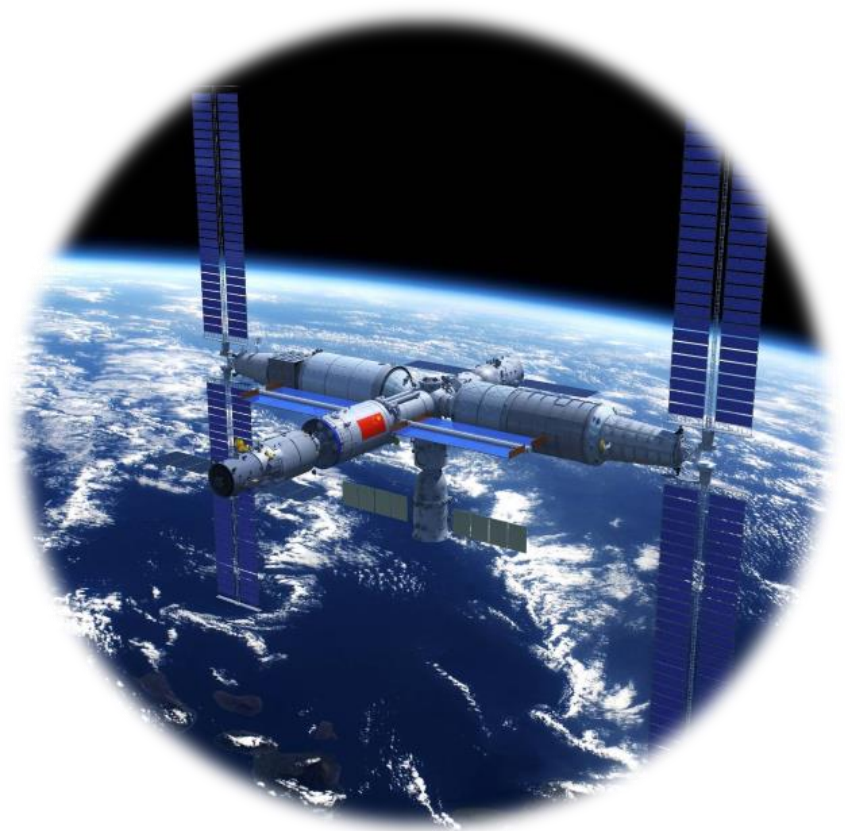
- CubeSat development and deployment from educational or research institutions from developing countries
- Research teams must be from entities:
 - In UN Member States
 - In countries that do not have the means to transport artificial satellites into space and place them in orbit
- **Next application opens in June 2020**
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Cooperation on the Utilization of the China Space Station (CSS)

- Payload or facility experiments inside or outside the CSS (first module launch planned for end of 2020)
- **Next application opens in summer 2020**
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Sierra Nevada Corporation's Dream Chaser

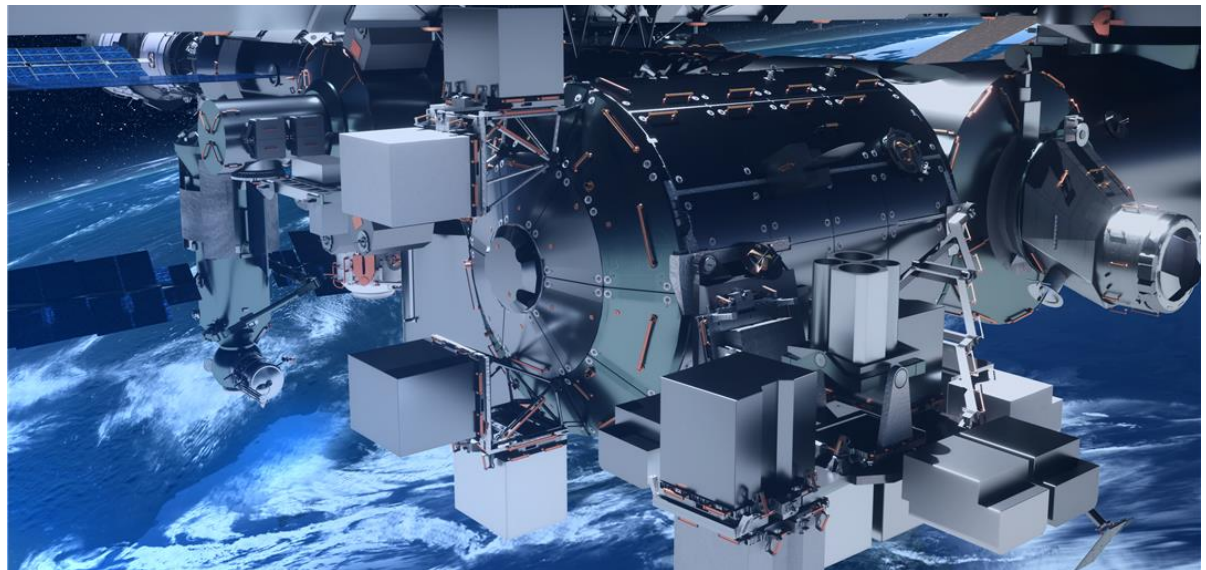
- DreamChaser Landing Site
- open to all UN Member States
- Application deadline **30 April at 23:59 CET**





Accessing Space with the ISS Bartolomeo Platform

- External payload experiments aboard Airbus Bartolomeo on ISS
- Research teams must:
 - From entities in UN Member States
 - Transport the payload to Houston, Texas, USA
- **Deadline 30 April 2020**
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AIRBUS



Accessing Space with VEGA-C

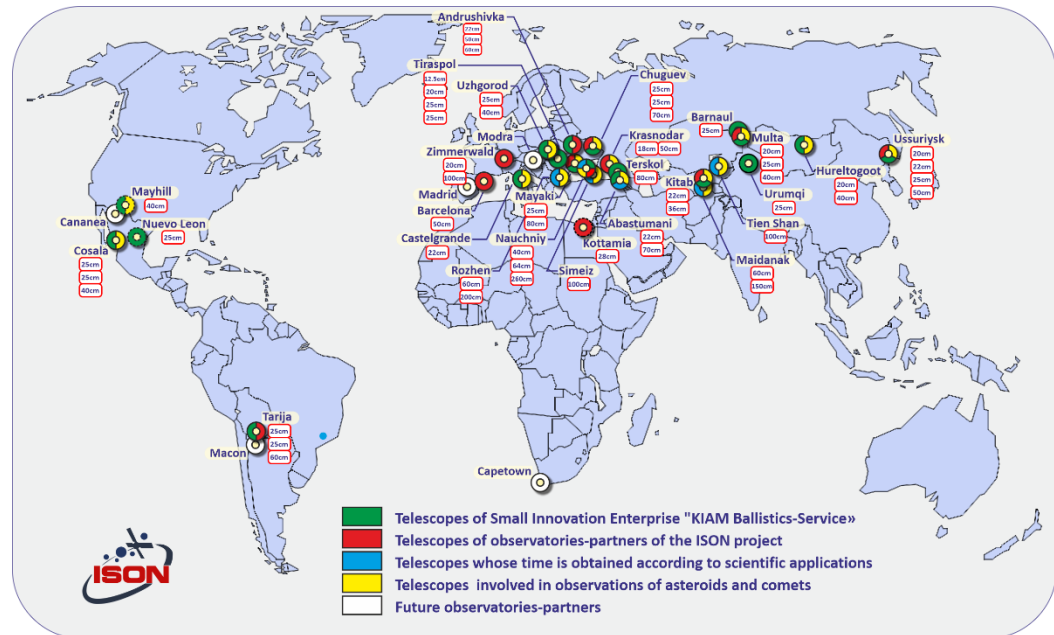
- Cubesat launch opportunity
- Research teams must:
 - From entities in UN Member States
 - Transport the payload to Guyana Space Centre or Brno (Czech Republic).
- **Applications expected to open in the period Jan-March 2020**
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Telescope provision by the International Scientific Optical Network

- Telescope provision
- Research teams must:
 - From entities in Developing Countries
 - Provide a hosting facility and personnel to operate the telescope
- **Applications expected to open in in spring or summer 2020**
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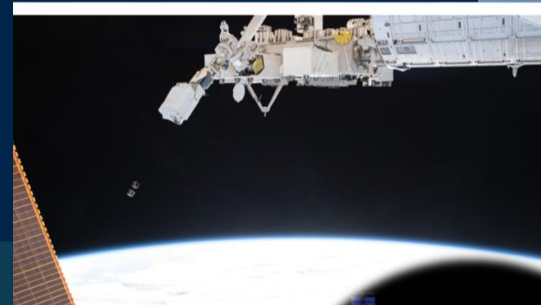


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NEXT!

Build capacity and develop new partnerships for space-emerging nations to fully take advantage of the initiative



THANK YOU

