



Simonetta Di Pippo
Director, UNOOSA



Simone Sasse
Airbus Defence and
Space



Mika Ochiai
Japan Aerospace
Exploration Agency



Inés Rivoalen
DropTES Awardee



María José Molina
KiboCUBE awardee



Fatima Duran
PNST Fellow

 **World Space
Week** OCTOBER 4-10

UNOOSA Webinar
**"Access to space for All
-A Focus on the Women
in the Initiative "**



UNITED NATIONS OFFICE
FOR OUTER SPACE AFFAIRS

**Thursday 7 October
2021 11:00CEST**



UNITED NATIONS
Office for Outer Space Affairs



Agenda

Topic	Speaker	Time
Opening Remarks	Simoneta Di Pippo Director United Nations Office for Outer Space Affairs (UNOOSA)	5 min
Introduction to the Access to Space for All Initiative	Hazuki Mori United Nations Office for Outer Space Affairs (UNOOSA)	10 min
Panel Discussion	<ul style="list-style-type: none">• Simone Sasse: Airbus Defence and Space/Partner of the Bartolomeo Programme• Mika Ochiai: Japan Aerospace Exploration Agency (JAXA) Partner of the KiboCUBE Programme• Ines Rivoalen Team member of the 6th round awardee of the DropTES Programme• Maria Jose Molina Team member of the 5th round awardee of the KiboCUBE Programme• Fatima Duran Fellow of the PNST (Post-graduate study on Nano-Satellite Technologies) Fellowship Programme	45 min
Q & A		



Access to Space for All Initiative

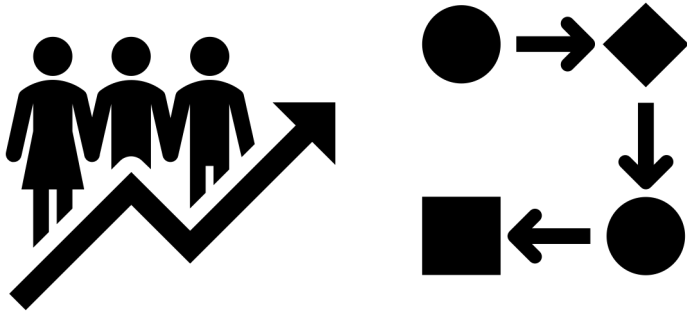


*The goal of the **Access to Space 4 All Initiative** is to provide research and orbital opportunities for UN Member States to access space and to ensure that the benefits of space, in particular for sustainable development, are truly accessible to all*

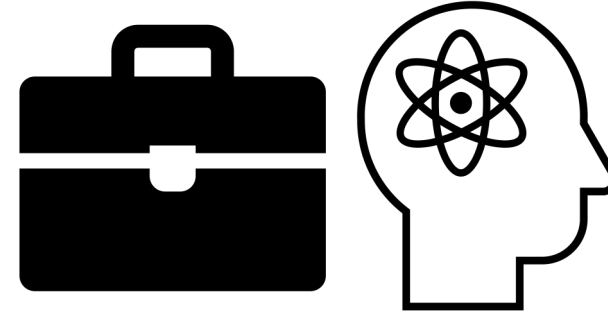




Access to Space for All Initiative



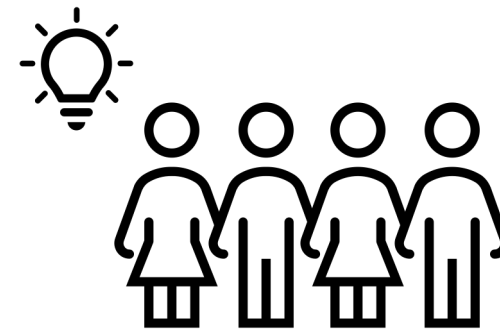
Hands-on Capacity from A-Z
Responsible & Sustainable Way



Provides cutting edge skills for
jobs and other opportunities



Fosters international cooperation



Social Impact: To your country,
region and young generations



Access to Space for All Initiative



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HyperGES "Watermeal, the Future Food Source for Space Exploration"



HyperGES and community impacts

- Expand space-related knowledge and awareness in Thailand
- Flagship program in astroculture, produce intensive research environment
- Team up with other organization. Stepping out of their comfort zone encouragement



FIRST MAURITIAN SATELLITE – OPENING NEW OPPORTUNITIES

JOURNEY TO SPACE ALTHOUGH NOT EASY BUT EXTREMELY REWARDING AND OFFERS HIGHLY PROMISING FUTURE

MAURITIUS EMBARKS IN NEW SPACE ERA

- Geolocation interesting for future space related activities
- More advanced space nations interested to collaborate

BOOST TECHNICAL CAPACITY

- Building highly technical capacity
- Sophisticated ground station for future missions set up
- Training of younger generation

A POTENTIALLY NEW SOCIO-ECONOMIC PILLAR

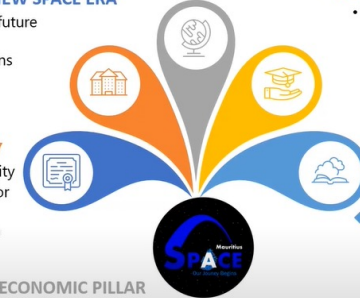
- Space offers numerous possibilities for Mauritius. Data analytics, opportunities for R&D, business opportunities, intergovernmental collaborations.

ENTHUSIASTIC YOUNGSTERS

- The training program on antenna building gave us an insight of the high level of enthusiasm for this new field. There is hope to enhance this interest further to build new capacity.

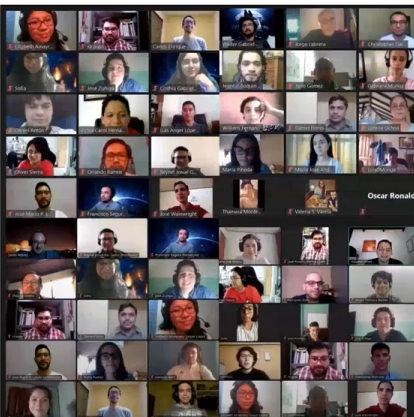
GOVERNMENT FULLY SUPPORTIVE

- This historical initiative for the Republic of Mauritius promises to unlock new opportunities for research, innovation and socio-economic development.

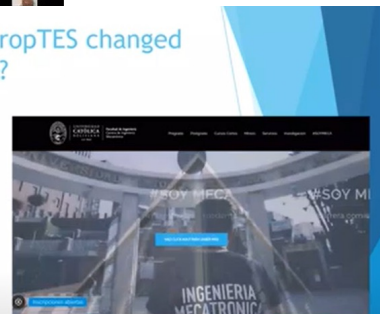


3. How has participating in DropTES changed the environment around you? Cont'd (3)

In Feb. 2017 I was elected to be the President of the American University of Madaba (AUM) in Jordan. That month AUM started the Innovation project for its students and for high school students in Jordan at large.



How has participating in DropTES changed the environment around you?



Acta Astronautica
Volume 171, August 2020, Pages 340–351

SELIUM: A student experiment to investigate the sloshing of magnetic liquids in microgravity

Á. Romero-Cabrera^{a,*}, A. J. García-Sánchez^b, F. Garmas^c, I. Rivadulla^d, G. Cano-Gómez^e, E. Castro-Hernández^f, F. Maggi^g

Free surface reconstruction of opaque liquids in microgravity. Part 1: design and on-ground testing

Á. Romero-Cabrera^{a,*}, A. J. García-Sánchez^b, F. Garmas^c, I. Rivadulla^d, G. Cano-Gómez^e, E. Castro-Hernández^f, F. Maggi^g

Free surface reconstruction of opaque liquids in microgravity. Part 2: results of drop tower campaign

Á. Romero-Cabrera^{a,*}, A. J. García-Sánchez^b, F. Garmas^c, I. Rivadulla^d, G. Cano-Gómez^e, E. Castro-Hernández^f, F. Maggi^g

Free surface reconstruction of opaque liquids in microgravity. Part 3: design and on-ground testing

Á. Romero-Cabrera^{a,*}, A. J. García-Sánchez^b, F. Garmas^c, I. Rivadulla^d, G. Cano-Gómez^e, E. Castro-Hernández^f, F. Maggi^g

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Free surface reconstruction of opaque liquids in microgravity. Part 4: design and on-ground testing

Á. Romero-Cabrera^{a,*}, A. J. García-Sánchez^b, F. Garmas^c, I. Rivadulla^d, G. Cano-Gómez^e, E. Castro-Hernández^f, F. Maggi^g

Final results!!
COSPAR 2021



Access to Space for All Initiative



Space is relevant to the SDGs!

The 2030 Agenda for Sustainable Development <https://sdgs.un.org/2030agenda>

To learn more about the SDGs go to <https://sdgs.un.org/goals>

UNOOSA SDGs page

<https://www.unoosa.org/oosa/en/ourwork/space4sdgs/index.html>



Access to Space for All Initiative



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Goals

4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

[< Prev](#) [Next >](#)



4 QUALITY EDUCATION

Target

4.4

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

Goals

8

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

[< Prev](#) [Next >](#)



8 DECENT WORK AND ECONOMIC GROWTH

Target

8.2

Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors



8 DECENT WORK AND ECONOMIC GROWTH

Target

8.3

Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services

Goals

9

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

[< Prev](#) [Next >](#)



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Target

9.1

Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

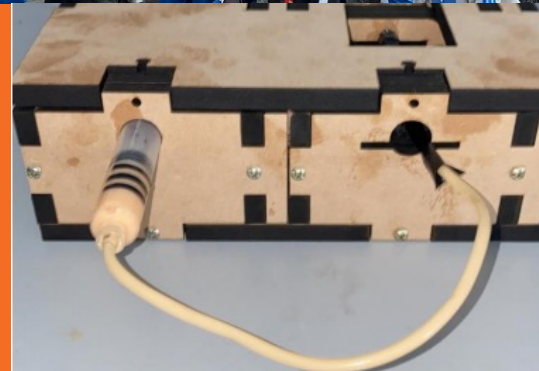
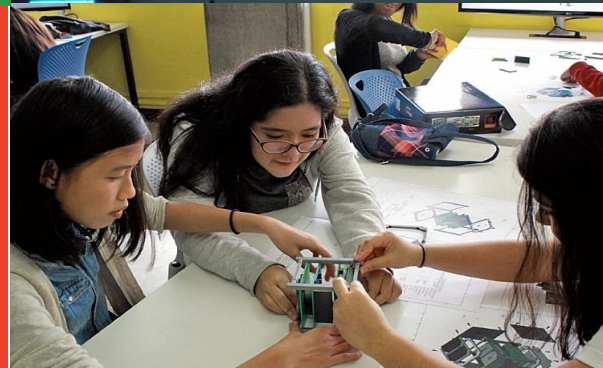
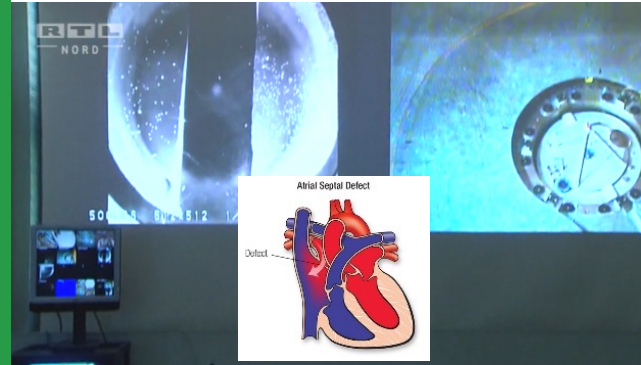
Target

9.5

Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending

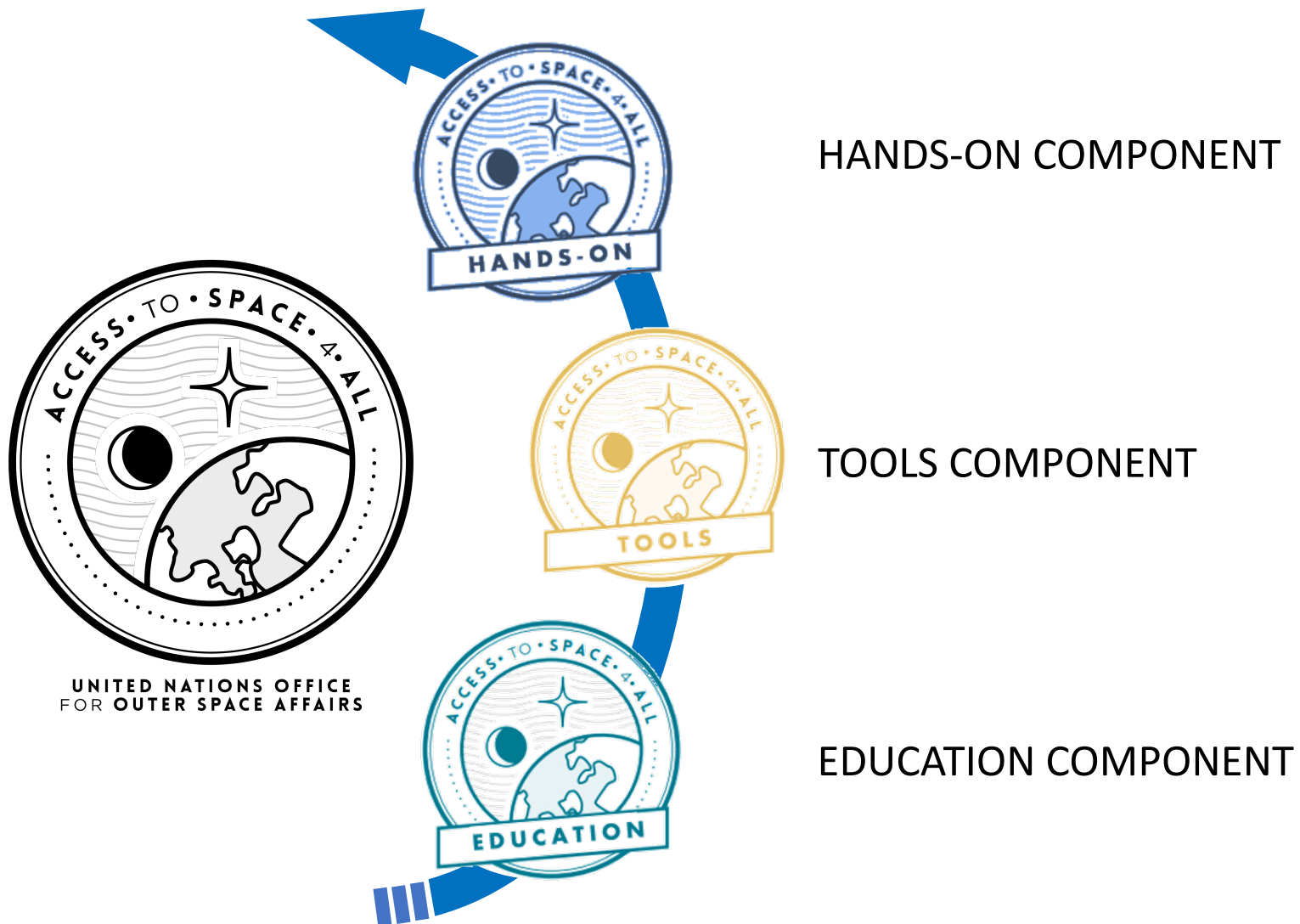


Access to Space for All Initiative



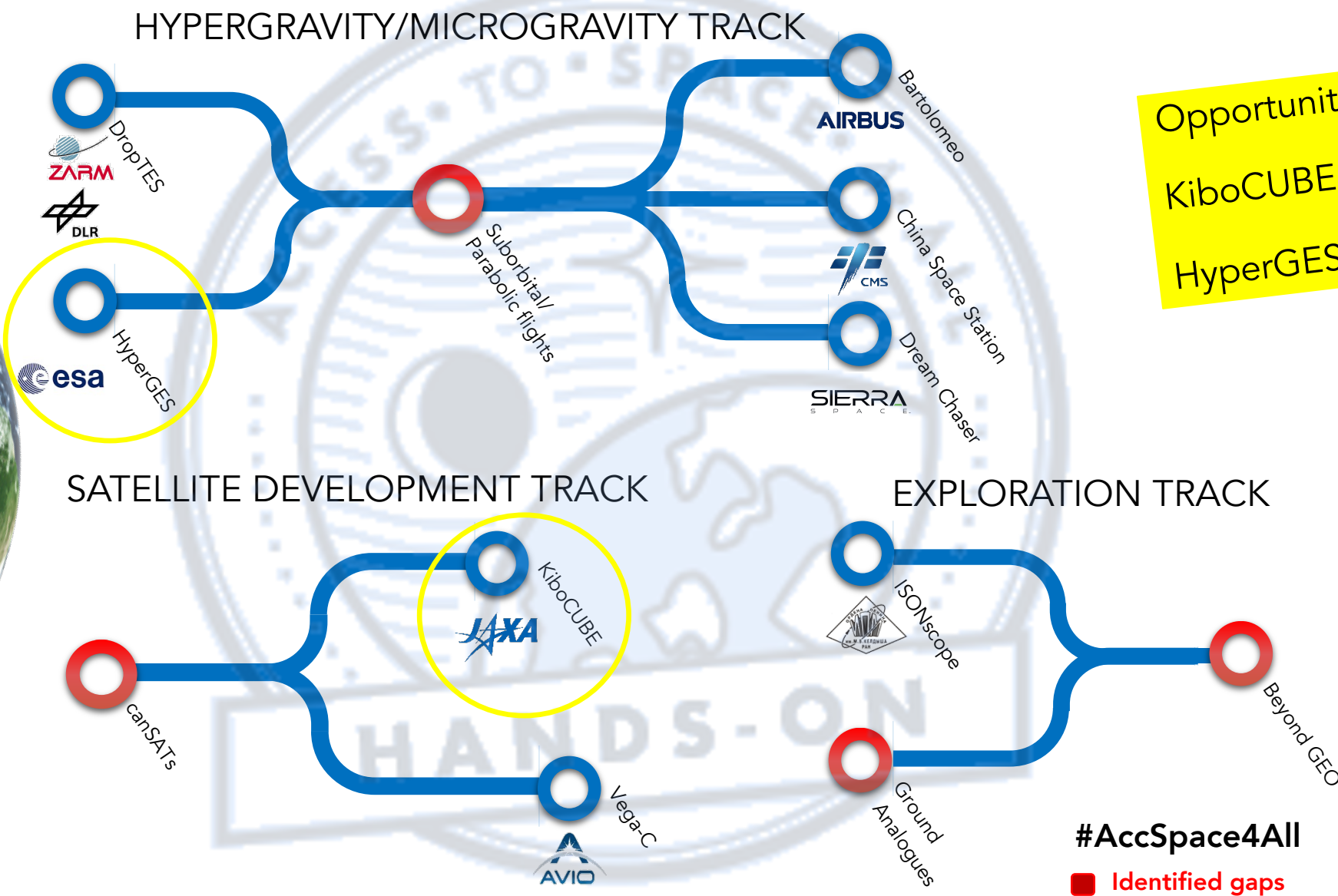


Access to Space for All Initiative





Access to Space for All Initiative



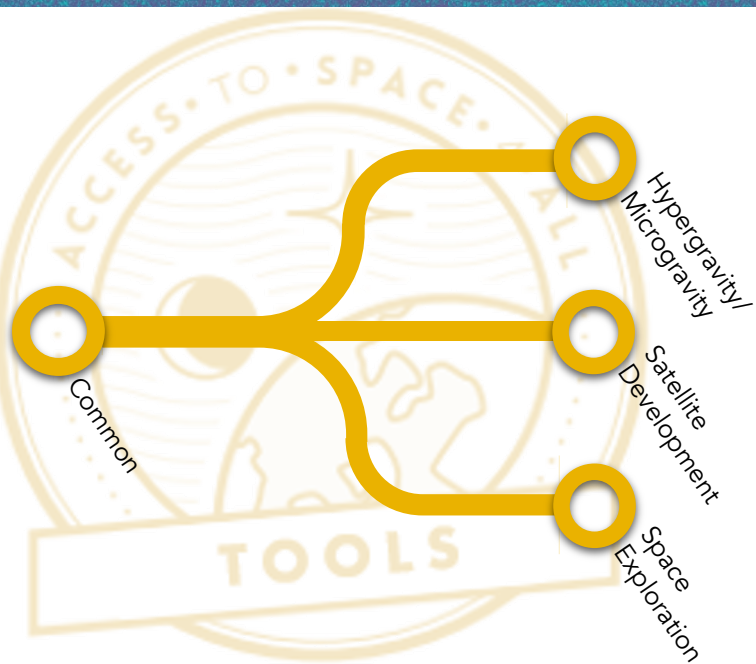
Opportunities are **OPEN!**
KiboCUBE : 31 Dec 2021
HyperGES: 28 Feb 2022



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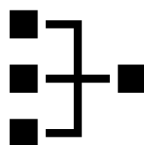
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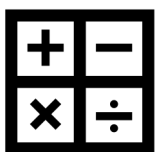
Fellowship is
OPEN!
Post-graduate
study on Nano
Satellite
Technology
(PNST)
: 10 Jan 2022



Design



Planning



Calculation/
Analyzation



Validation
/Testing



Webinars



MOOCs



Curriculum



Workshops
/Training



Teacher's
Guides



Fellowships

Thank you!

For inquiries:

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unoosa-access-to-space@un.org

