

# 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



**Access** to unique ground and space infrastructure, technology, and information



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



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



**Visibility** to the R&D and space activities already done in the country/region



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

## Access to Space for All in Numbers

- **9** Hands on Opportunities
- 1 Annual Fellowship
- 27 Awardees involving 42
   Entities from 30 countries
- 4 CubeSats launched
- 7 Microgravity
   Experiments performed
- 16 projects in development
- **62** Scholarships granted
- 70+ Hours of educational content on YouTube







SPACE AGENCIES











RESEARCH INSTITUTIONS AND UNIVERSITIE







PRIVATE SECTOR









# Access to Space for All Impact of the initiative









#### 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 capacitySophisticated 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.

#### ENTHOUSIASTIC 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 socioeconomic development.

### 3. How has participating in DropTES changed the environment around you?



RESEARCH CENTER



MECHATRONICS DEPARTMENT

### Aerospace, AI and Digital Centre

ESPITA was able to grow ,to expand by inauguration AEROSPACE, AI AND DIGITAL CENTER on July 2022





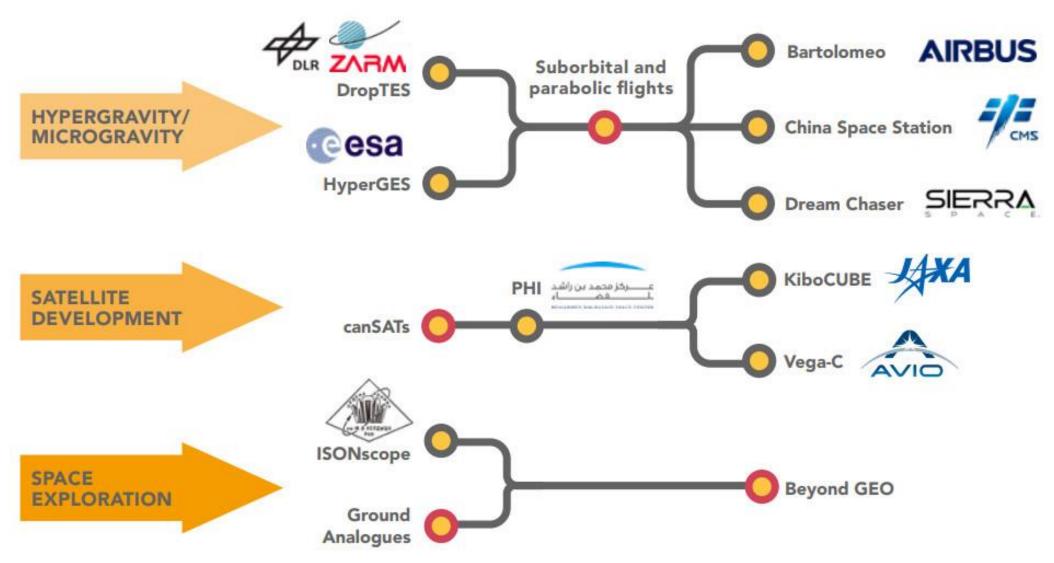




# Access to Space for All Hands-on Component









- CubeSats offer a <u>large variety of applications</u>
- CubeSat development can be the <u>first step for a country in the acquisition of the skills and know-how needed to develop a space programme</u>
- CubeSats are <u>affordable to develop</u> and represent an <u>achievable entry point to space activities</u>.

### SATELLITE DEVELOPMENT

- Building capacity that enables the development, deployment, and operation of satellites

