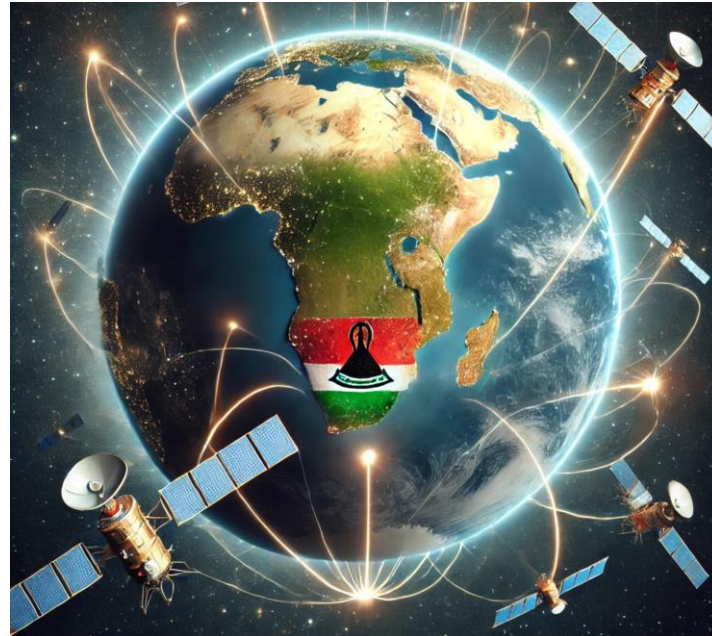


31st Workshop on Space Technology for Socio-Economic Benefits



Introduction

Overview

Space technology offers unprecedented opportunities for socio-economic development.

In Lesotho, Impact School is pioneering initiatives that leverage space sustainability to foster economic growth, educational innovation and environmental stewardship.

Space Sustainability is a critical enabler for future development.

About Me and Impact School



My Journey:

- Founder of Impact School and Holberton School Lesotho.
- Launched Lesotho's first space technology program to address educational gaps, especially in STEM fields.
- Founding member of Lesotho Research & Education Network (LesREN).

Impact School's Achievements in space related programs to date:

- Offering comprehensive space-related education.
- Hosting workshops and hands-on activities

- International collaborations:

- Participation in Mission ShakthiSAT by Space Kidz India
- Kibo RPC Challenge 2024 - came out no. 11 out of 54 countries

Lesotho Research & Education Network (LesREN)



LesREN's Role:

- A collaborative platform that supports research and education
- Facilitates partnerships and advanced research to address challenges in space sustainability
- Impact School is a founding member in LesREN advocating for inclusion of space technology in the REN.
- Support of the government - by in of Ministry of Information Science Communication Technology Innovation

Space Sustainability - Why It Matters



The Global Space Challenge:

- Growing use of space resources demands sustainable management to prevent issues like space debris and satellite congestion.

Lesotho's Opportunity:

- As a predominantly agrarian nation, space sustainability can transform agriculture, climate monitoring and disaster management.

Satellite Technology for Development



Application Areas:

- **Agriculture:** Precision farming powered by satellite technology, increasing crop yields.
- **Climate Change Monitoring:** Using satellites to track and mitigate environmental impacts.
- **Connectivity:** Bridging the digital divide through space-based solutions.

The Role of STEM Education

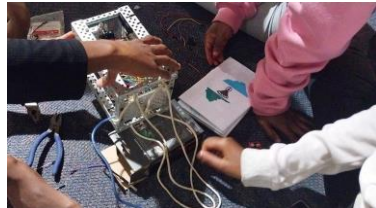
Educating the Next Generation

- At Impact School, we focus on equipping youth with STEM skills to foster innovation.

- Programs include hands-on satellite technology and space sustainability projects.

Our Vision:

- Inspiring future scientists and innovators who will shape the technology, innovation and space industry.



Lesotho's Vision for the Future

Our Goals:

- To position Lesotho as a key player in the global space industry
- To leverage space sustainability for socio-economic growth, creating jobs, improving livelihoods and promoting environmental health.
- **Collaboration:** We are open to partnerships that help further our initiatives in space technology and sustainability.

Conclusion

- Space sustainability is not just a technical issue; it's an essential driver for development in Lesotho
- Through Impact School and LesREN, we are laying the groundwork for space technology and education in our country
- Together, we can ensure responsible use of space for the betterment of society.