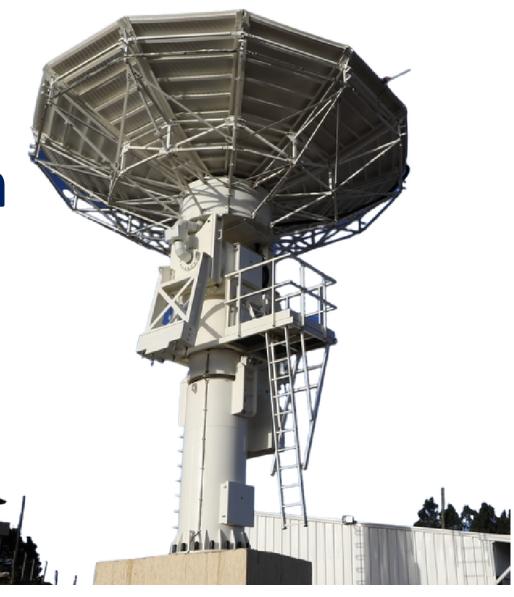
Ethiopian Space Program
Development

Yeshurun A. Adde (PhD)

**Deputy Director-General** 

**Ethiopian Space Science & Technology Institute** 



# HISTORICAL OVERVIEW



#### Establishment of Ethiopian Space Science and Technology Institute

The institute was established with two major centers:

- Aeronautics and Astronautics Center
- Entoto Observatory Research Center



Establishment of Ethiopian Space Science Society (ESSS)

2004 2012 2016

2022

Establishment of Entoto Observatory Research Center (EORC)



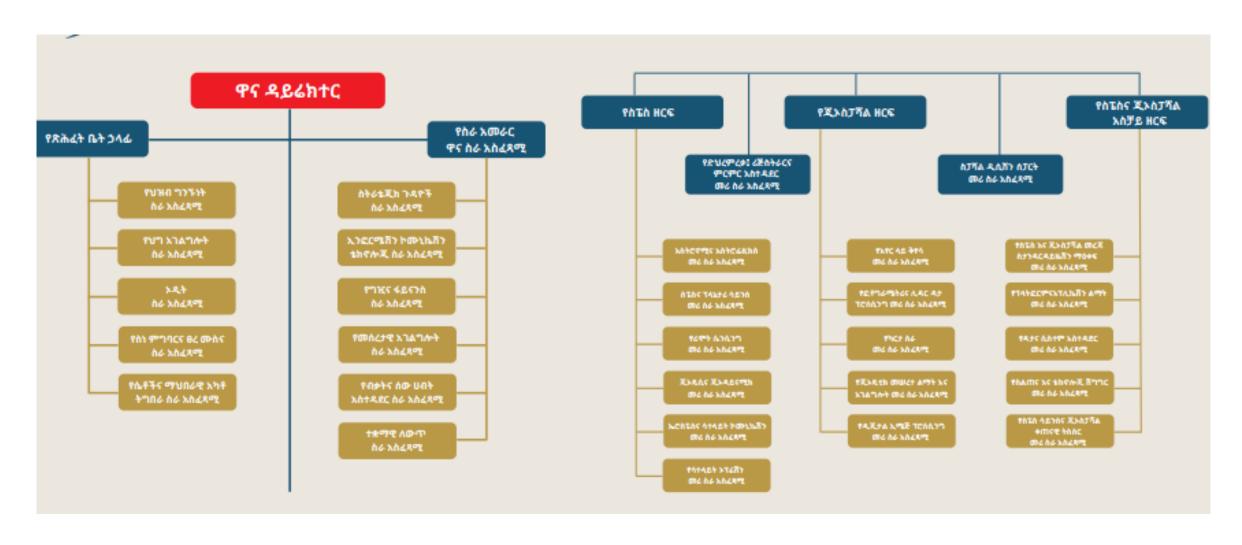


Science and Geospatial Institute

#### ESTABLISHMENT OF SSGI

- Space Science and Geospatial Institute (SSGI) is the official Ethiopian federal governmental institute established in 2022 with regulation no 511/2022 and works on space science and geospatial sectors.
- SSGI envisions to fully exploit multidimensional uses of space science and technology in the space and geospatial sectors and be a robust contributor for the national development.
- It provides support, guidance and leadership in implementing the space policy and strategies in the country. It conducts research, training, and consultancies that support national developmental activities and capacitates utilization, adaptation, improvement, and production of space and geospatial products and services. It also ensures the development of space and geospatial infrastructures and technologies for these purposes.
- SSGI has a mandate to lead and coordinate national space science and geospatial activities; create cooperation and partnership with foreign peer institutions; represent Ethiopia in regional and international fora.

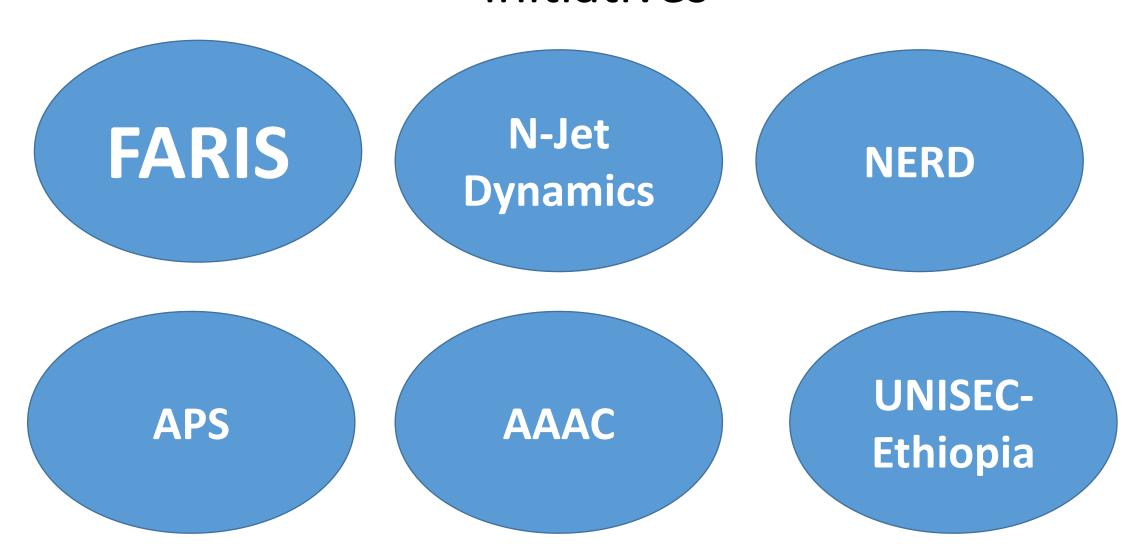
# **SSGI Organogram**



#### SSGI SPACE SECTOR



# Private and Non-Governmental Space Initiatives



# WHAT WE DO





Satellite System Development



Aerospace Materials



Development of Aerospace Application Software



Aerospace
Manufacturing,
Assembly, Integration,
and Test Facilities
Development



Space Robotics & Autonomous Systems Development



Launch Propulsion System Development

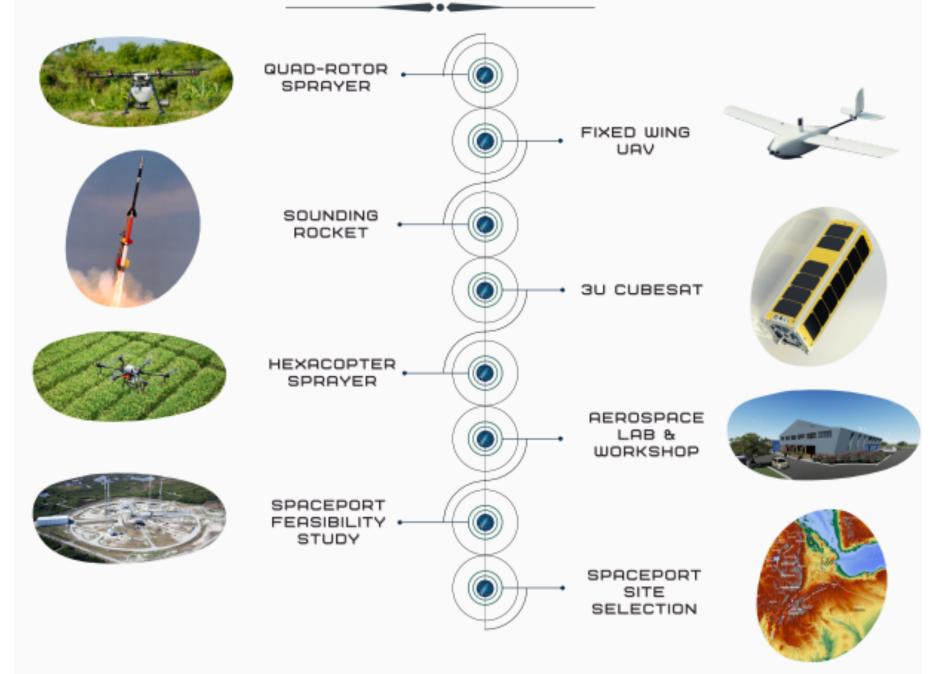


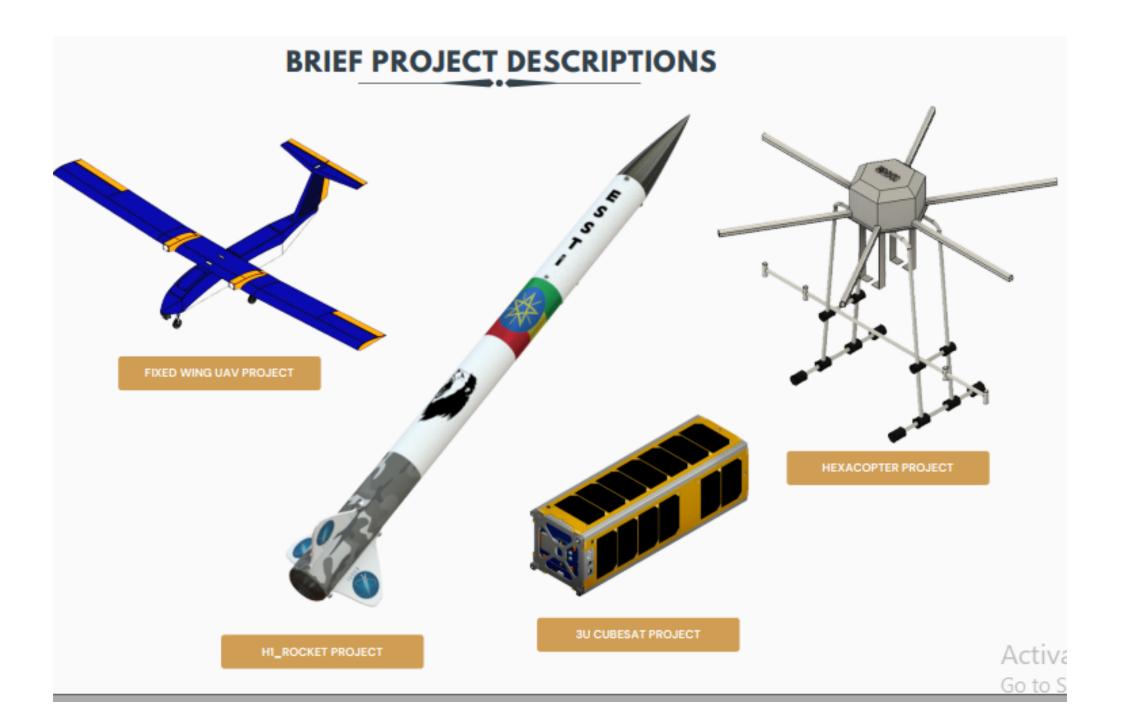
Aerospace Avionics



Instrumentation

# **ACTIVE PROJECTS**





# GRADUATE PROGRAMS





MSc. Programs

- Aeronautical Engineering
- Space Engineering



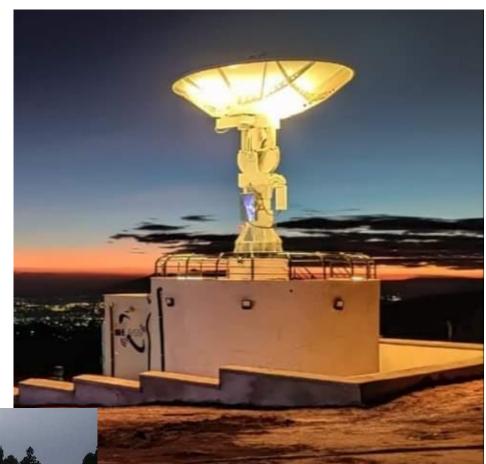
Ph.D. Programs

Aerospace Engineering

# **INFRASTRUCTURE**

- We have already began construction of an Aerospace Lab & Workshop at AASTU
- We have defined the layout of the facility and are currently in the works of selecting the necessary equipment list applicable for both research and academics
- ✓ The facility is to have the following labs/workshops:
  - Avionics Lab
  - · Thermal & Propulsion Lab
  - · Aerodynamics Lab
  - · Structure and Material Lab
  - Chemical Lab
  - Mechanical Workshop







# THANK YOU!