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# AFRICA DEVELOPMENT SATELLITE INITIATIVE

Dr. M. Elkoosy  
CEO  
Egyptian Space Agency



# SPACE ACTIVITIES IN EGYPT DURING YEAR 2019

- 1- **Launching** EgyptSat-2A (Feb. 2019) From Baikonur base  
EO Satellite -1 m resolution- Joint Project with Energia
- 2- **Launching** Satellite Tiba-1 ( Nov.2019) From Guiana base  
Communication Sat. – Joint Project with Airbus, Thales Alenia
- 3 - **Launching** of two cube satellites from ISS  
EO – Developed by the Eng. In the EG. Space Agency
- 4- The African Union (AU) approved Cairo to host the HQ of the  
**African Space Agency**

# ASSEMBLY, INTEGRATION, AND TEST CENTER (AITC)

- 5000 m<sup>2</sup>
- Environmental and functional test up to 1 ton
  - By support from PRC
- Will start at Mar. 2021.



# AFRICA DEVELOPMENT SATELLITE INITIATIVE

- Initiative announced by the **H.E Egyptian Minister of High Education and Scientific Research** at TICAD-7. August 2019

“African development satellite” initiative aims at gathering African nations to develop space system for climate change monitoring and capacity building.

- Announced at “The **United Nations Commission on Science and Technology for Development (CSTD)** November 2019”
- 8<sup>th</sup> African Leadership congress 2019



# KICKOFF MEETING FOR THE FIRST SATELLITE PROJECT



## African Development Satellite Initiative Statement Declaration Cairo, 28 November 2019

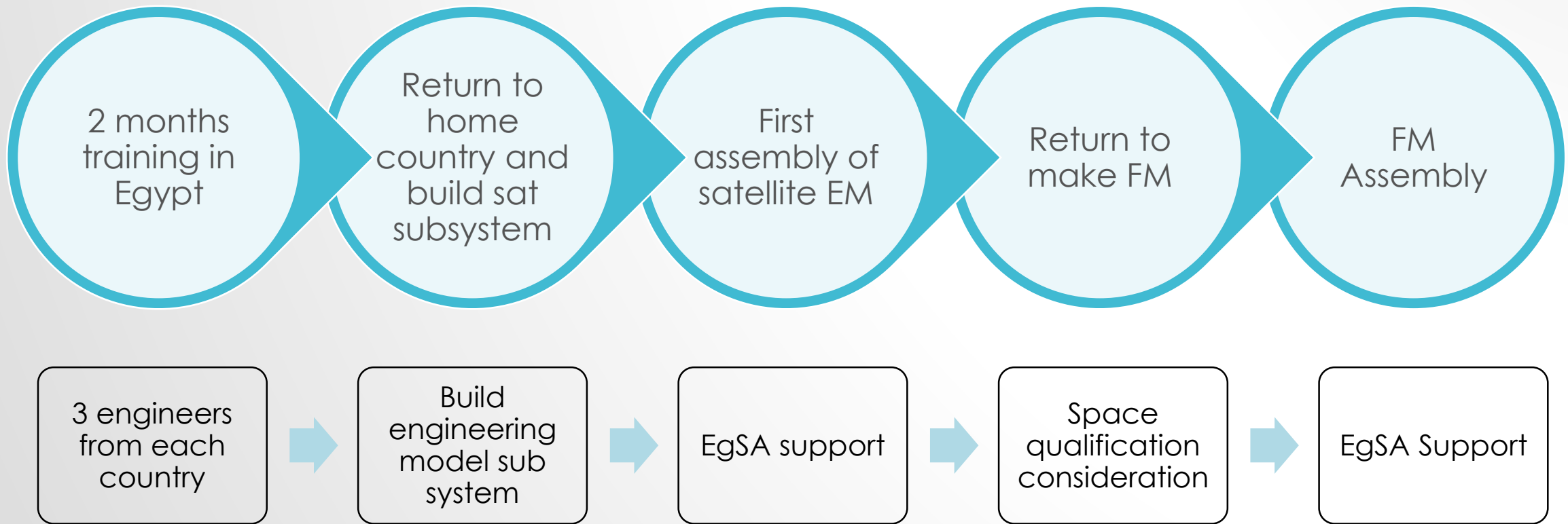
- Egypt, Sudan, Kenya, Nigeria, Ghana and Uganda met at EgSA (27-28 Nov. 2019), Cairo.
- Cairo Declaration of the project was signed

# INITIATIVE OBJECTIVE

- **To build a small satellite**
- Each satellite subsystem will be built in one of participating countries.
- The missions targets
  - climate change detection
  - Disaster monitoring
  - Agriculture and water resources monitoring and management
- Integration will be carried out in the ALT in Egypt for the Engineering model and the Flight Model.



# METHODOLOGY





THANK YOU