

กระทรวงวิทยาศาสตร์และเทคโนโลยี

Ministry of Science and Technology

สำนักงานพัฒนาเทคโนโลยีอวกาศและภูมิสารสนเทศ (องค์การมหาชน) Geo-Informatics and Space Technology Development Agency (Public Organization)



# Thailand Space Technology Advancement

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www.gistda.or.th

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**Established** November 3, 2000

#### Vision Delivering Values From Space



MINISTRY OF SCIENCE AND TECHNOLOGY, THAILAND

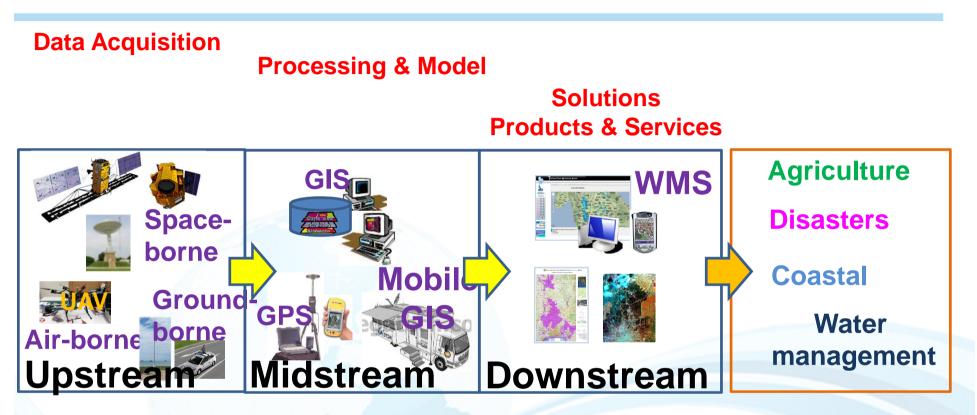
#### Objective

Developing geo-informatics and space technology as a non boundary knowledge for the country development

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#### Role





- Multi-platform Data Acquisition System: Space, Air, ground
- Integrated Value Delivery: Upstream, Midstream, Downstream

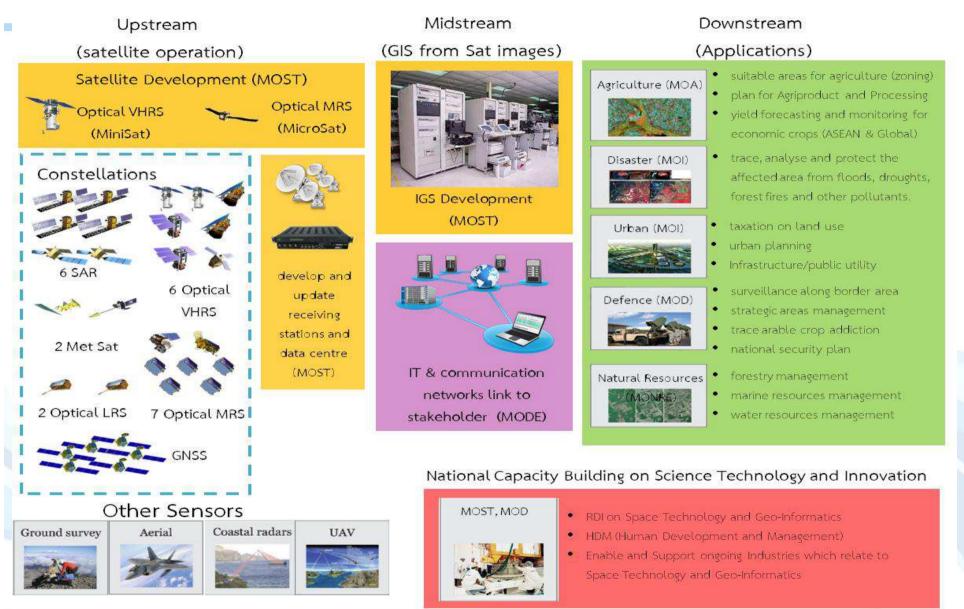
#### **THEOS-2** Program

- National Program
  - Government to Government Level
    - by Thailand National Space Committee
- Objectives
  - Infrastructure of Science, Technology and Innovation to enhance the capabilities of Thailand in
    - space technolgy
    - geo-informatics
  - national program for developping 5 major applications

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- agriculture
- dissater
- natural resources
- urban
- defence

### THEOS-2 Program (2016 – 2020)



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### **SKP : Space Krenovation Park**





### **THEOS-2** Mission Control Centre



#### National Space Program (NSP)

 NSP Frame Work was drafted by
Ministry of Information and Communication Technology (MICT)

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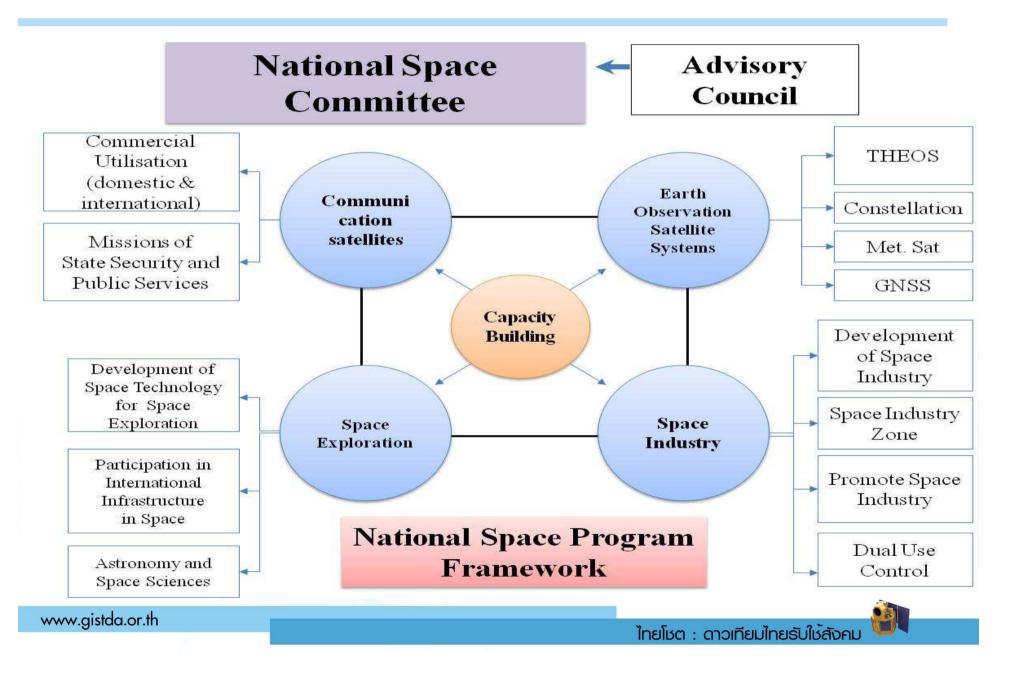
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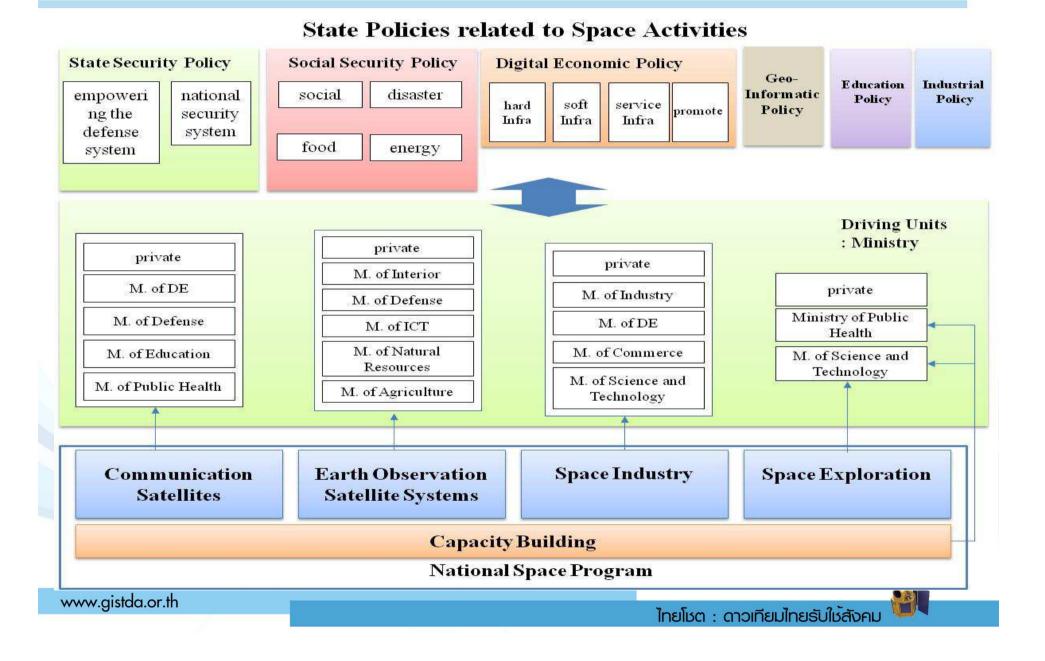
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- GISTDA, Ministry of Science and Technology
- Time frame 10-15 years program
  - commence in 2016 or 2017
- Focus on 4 major areas
  - communication
  - Earth observation
  - space exploration
  - space industry

### **National Space Program Framework**



#### National Space Program (NSP)



### ASEAN Regional Training Centre for Space Technology and Applications (ARTSA)

The SCOSA Committee endorsed the establishment of ARTSA in the 26th Meeting of the ASEAN Sub-Committee on Space Technology and Applications (SCOSA-26) during 25-26 May 2015 in Phuket, Thailand.

To provide educational services, knowledge enhancement, awareness raising, and research collaboration in space technology and its applications for SCOSA member countries and worldwide.

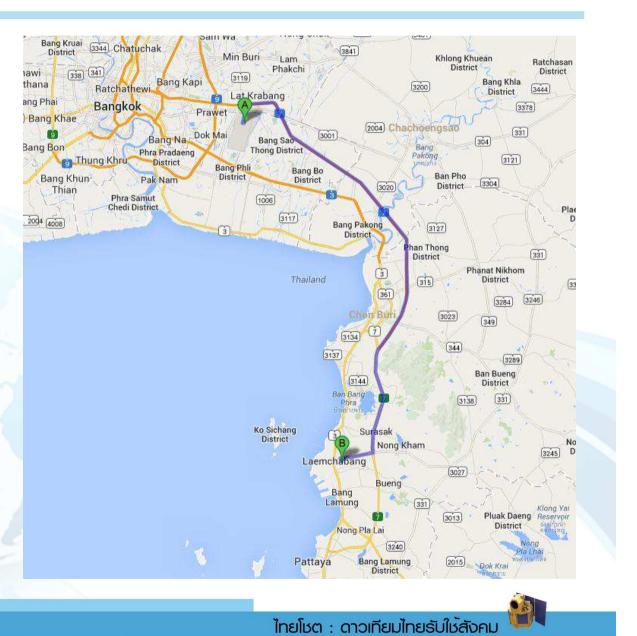
The center located at "Geo-Informatics and Space Technology Development Agency (GISTDA), Space Krenovation Park, Sriracha, Chonburi Province, Thailand"

### **ARTSA : Location**

ARTSA located in Space Krenovation Park (SKP), SiRacha, Chon Buri province

≈ 100 km. (1.5 hr.) from Suvarnabhumi Airport

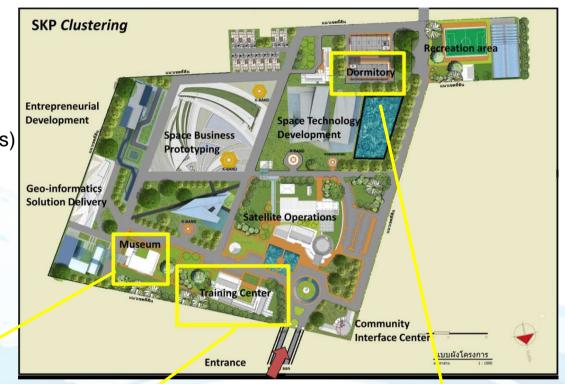
 $\approx$  40 km. from Pattaya Beach



### **ARTSA Facilities @ SKP**

#### • Training facilities :

- Total Area about 3,800 sq.m.
- 1 large Conference Room (180 Persons)
- 1 Laboratory Room (80 Persons)
- 3 Small Conference/ Lecture Rooms
- 1 Research Room
- 1 Cafeteria (85 Persons)
- I Dormitory (24 Units)









### **ARTSA Facilities**

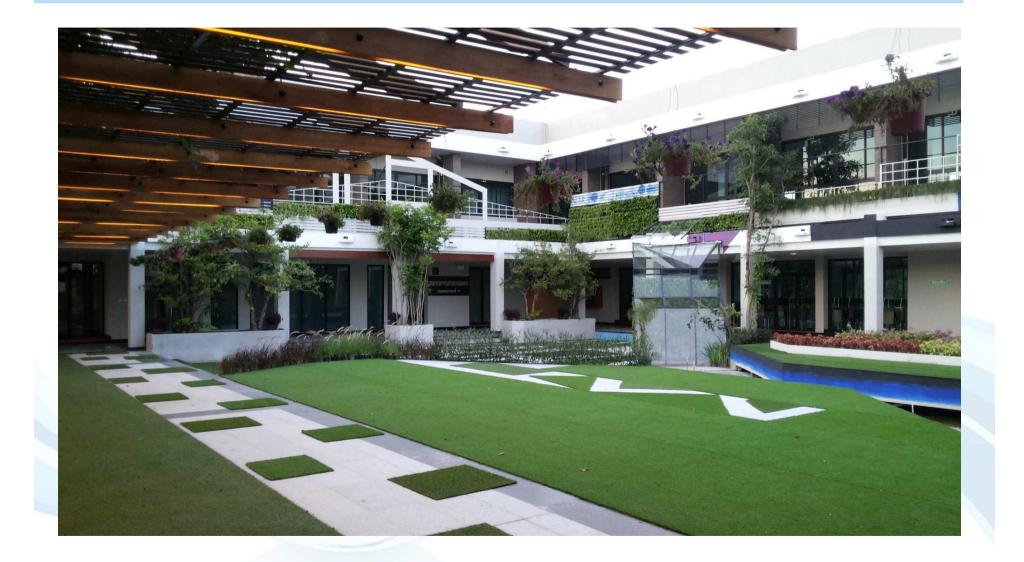


Auditorium room (180 seats)

Training room (80 computers)



### **ARTSA Facilities**





## **Plan of Activities 2015**

Activities	Jul 2015	Aug 2015	Nov 2015
International Jointly Seminar on Introduction of Activities of Space Institute and Industries in Korea and Thailand (KARI)	X		
International Training Course on Space Application for Disaster (KARI)	X		
International Training Course on Remote Sensing (CRESDA)		X	
International Training Courses: Laser Scanning Course (ITC)			X
International Training Courses: Opportunities and Challenges of Using the Next			X
Generation Satellite Data and Modelling Technique for Water Management, Refresher Course for ITC Alumni in ASEAN			

## Plan of Activities 2016-2022

2016	2017	2018	2019	2020	2021	2022
Х	Х	Х	Х	Х	Х	х
х	х	х	х	х	х	х
Х		Х		Х		х
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Х	Х	Х	Х	Х	Х	Х
			X	x	X	X
			Х	Х	Х	Х
			Х	Х	Х	Х
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### **Training Center**







### **Dormitory Building**



#### **Space Inspirium**



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#### Conclusion

- Thailand (GISTDA) can support regional capacity development programme at ASEAN Regional Training Centre for Space Technology and Applications (ARTSA) and Sirindhorn Center for Geo-informatics (SCGI)
- GISTDA still move forward to promote the applications of space technology for supporting disaster risk reduction and inclusive and sustainable development in ASEAN region.

# Thank for your attention

