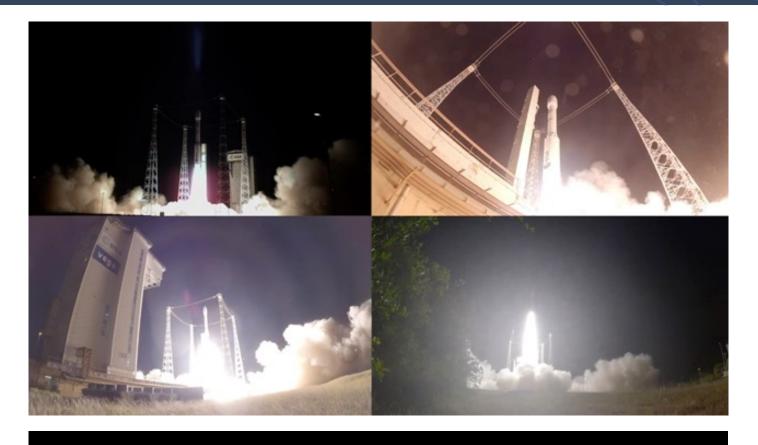


# THEOS-2: Successfully Launched into Space





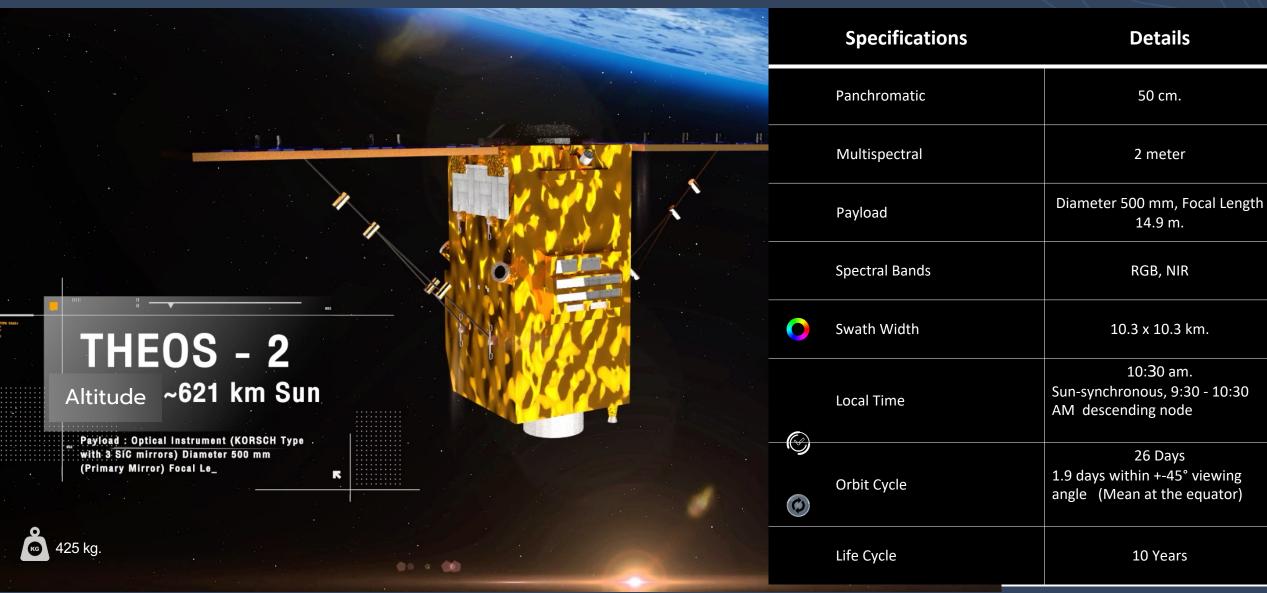




Thailand's second earth observation satellite, THEOS-2, was successfully launched into orbit from the French Guiana Space Centre on Monday 9 October 2023 BKK time.

# **THEOS-2**



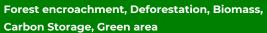






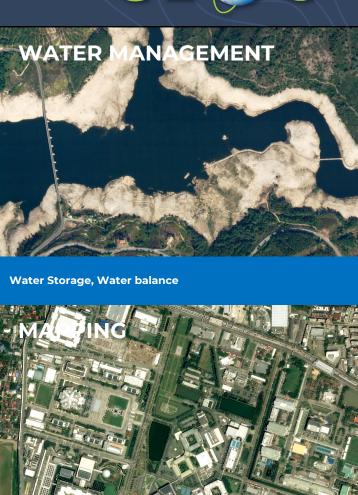












Satellite base map, DEM/ DSM, 3D mapping

The Open Geospatial Platform "Delivering map-driven values on sustainable development"

# sphere

sphere

# **FAIR Principle:**

- Findable
- Accessible
- Interoperable
- Reusable

# platform

•A cloud-based platform providing shared and trusted geospatial data, services, and applications for use by the public and by government agencies and partners to meet their mission needs.

**Open-source framework** 

# **Key Products**

# "sphere"



provides fast and reliable access to these products, unifying the interface and facilitating reducing the time to start analyzing the data.

The sphere initial product offer is organized according to the following categories:



# **DATASET**

### Basemap

2-meter resolution with simple access



Satellites use remote sensors to obtain information about diverse features of the Earth's surface

### More...

DEM | POI | AOI | Building Footprint | Admin. Boundary





# **TOOLS**

### Maps API

Open-source map library for web browser and mobile-friendly interactive maps.

## mapMaker

"Make & Share"

### **eXeCube**

Easy web-based spatial and spacetime computation



# **APPLICATIONS**

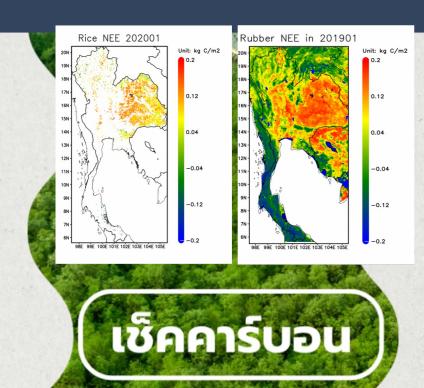
### **WHERE**

Turn-by-turn navigation. Select your destination, plan your own route. WHERE will navigate you. On road, as you wish.









Integrate EO Satellites and **Eddy Covariance Method** 



# "Carbon Tracking"





ระบบให้บริการข้อมูลการกักเก็บคาร์บอน ในประเทศไทย









# **Ensuring Continuity and Support for CEOS**



- **Earth Observation Services :** Social and Security Management, Natural Resource and Ecosystem, Water Management, Disaster and Agriculture
- Space Economy: Commercializing Earth Observation Data and Services, Boost Emerging Businesses to Global Value Chain
- Sustaining Innovation: R&D, Education, Continued Product Development and Innovation, Space Data Analytics and AI
- Global and Regional Engagement and Connectivity: Country and Regional Development, Open Opportunities to International Partners

Supporting the 2024 Chair Priorities (Biodiversity)