



**Pioneering in the Environmental Translational Works and Awareness Programme**



ENVIRONMENTAL MANAGEMENT CENTRE

**SERVICE AVAILABLE**  
**FROM SEA TO SPACE**

**MQA-accredited post-graduate academic program**

- Doctor of Philosophy (Ph.D.) (Research Mode) [MQA/SWA15078](#)
- Master of Science (M.Sc.) (Research Mode) [MQA/SWA15077](#)
- Master in Climate Change (Coursework Mode) [MQA/SWA 16190](#)

**Laboratory service**

- Satellite communication laboratory
- Drone-LiDAR mapping & analysis service
- Satellite image processing services

**Capability Building and Training workshop**

- Climate Risk Mapping (GEE, ArcGIS, open-source GIS)
- Numerical Modelling for Weather, Climate and Air Quality (CMIP, WRF, CMAQ)
- Life Cycle Assessment (LCA)
- Data Processing (R programming, Python, Microsoft Power BI)
- Translation dissemination program on climate change

**Academic Conference Organization**



**Database Access**

- MyIKLIM one-stop data climate change data curation portal
- EMC data repository

**Student internship, exchange and attachments opportunities**

**Administration (HQ)**  
 Level 2, Research Complex Building,  
 Institute of Climate Change (IPI), UKM,  
 43600 UKM Bangi, Selangor Darul Ehsan, Malaysia.

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**INSTITUTE OF CLIMATE CHANGE**

INSTITUT PERUBAHAN IKLIM

ILMU, MUTU DAN BUDI



# RESEARCH CENTRE

## EOC Knowledge Centre on Earth Observation and Geospatial Technology

The EOC is a pioneering research center dedicated to unraveling the impacts of global change using cutting-edge Remote Sensing and Geographical Information Systems.

EARTH OBSERVATION CENTRE  
SPACE SCIENCE CENTRE

### EXPERTS REFER TO WATER, MARINE AND COASTAL MANAGEMENT

- ✦ Integrated Shoreline Management System
- ✦ Coastal Vulnerability Study
- ✦ Marine Fisheries
- ✦ Sea Level Rise

### Experts Refer To Land Use Land Cover and Terrestrial Applications



01 Multispectral UAV for Vegetation Monitoring

Satellite Imagery for Land Use Land Cover

02

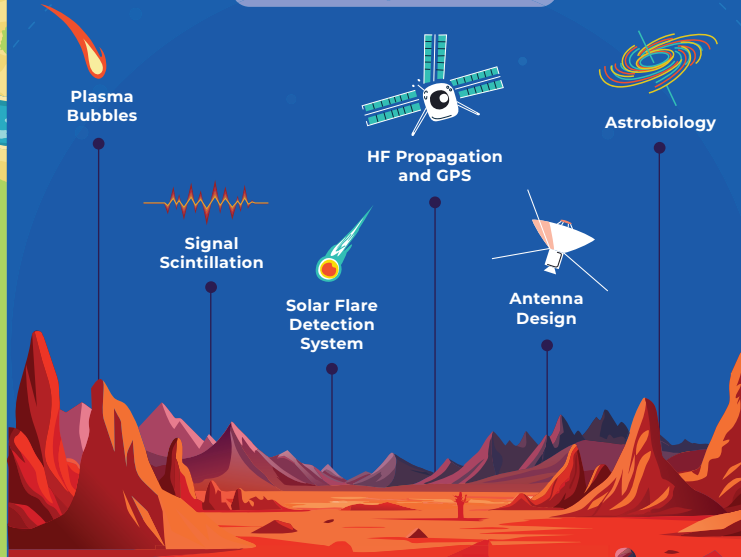
03 LiDAR Remote Sensing for Forestry and Terrestrial Applications

Climate Variability: ENSO/EL-NINO

04

### Services of EOC

- Geospatial Training (ArcGIS, QGIS, Google Earth Engine)
- Geospatial and Climate Data Services



### Data for Space Weather and Satellite Research

CENTRE FOR TROPICAL CLIMATE CHANGE SYSTEM

### Networking and Strategic Partner



### Expert on climate change and sustainability from realms of Atmosphere, Land and Sea

#### Expertise Field:

- Climate Projection and Downscaling
- Environmental Footprint
- Life Cycle Assessments
- Weather Modelling
- Urban Climate and Pollution
- Climate Endangered Biodiversity
- Ecological Statistics
- Data Processing and Curation Training Workshop
- Climate Threaten (Marine) Species

*"Sustainable City Towards Reducing Air Pollution and Climate Change Monitoring and Modelling"*

*"One-Stop Data Curation Portal for Climate Change Research in Malaysia"*

