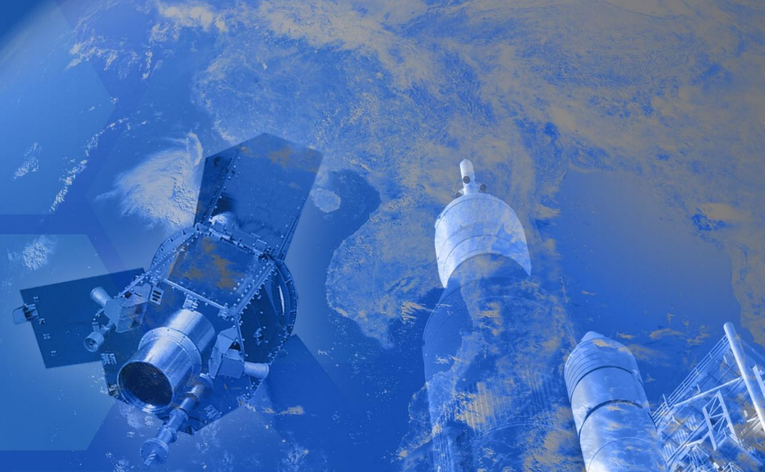
MINISTRY OF SCIENCE,
TECHNOLOGY AND INNOVATION
MALAYSIAN SPACE AGENCY

Progress in implementing the Asia-Pacific Plan of Action on Space Applications for Sustainable Development (2018-2030)

29th session of the Intergovernmental Consultative Committee on
the Regional Space Applications Programme
for Sustainable Development (ICC-29)
2nd September 2025



STRUCTURE OF NATIONAL SPACE POLICY 2030

Capitalize Space Sector Towards Sovereignty and Sustainability High-Income Nation

DSTIN

VISION: Space sector as a strategic contributor towards Malaysia's sovereignty and competitiveness

MISION: Fostering national capability in the space sector to support economic development and the advancement of knowledge for soceital well being

Goals

- **Increased Productivity**
- **Strengthen technology, infrastructure and human resources**
- **Optimally utilize space capabilities**
- **Conformity to international instruments and treaties**

THRUST 1	THRUST 2	THRUST 3	THRUST 4	THRUST 5
Strengthen Governance	Significant technology, infrastructure and applications	Drive development and build up expertise	Contribute to economy and welfare	Increase international relation and cooperation

Objectives

- To have a stance on space sector
- To coordinate activities
- To assure access to space
- To determine way forward

Malaysian Aerospace Blueprint 2030

MALAYSIA PERSPECTIVE – NATIONAL SPACE POLICY 2030

MAPPING OF UNITED NATIONS SPACE AGENDA 2030 OBJECTIVES WITH NATIONAL SPACE POLICY 2030 PILLARS

PILLAR 3
Spearheading space development and building expertise

PILLAR 4
Contributing to the nation economy and societal well-being

OBJECTIVE 1
Empowering space-based economic resources and the role of the space sector as a leader in sustainable development

OBJECTIVE 3
Improve access to space technology for all and ensure that all countries benefit from the space sector

PILLAR 2
Significant technology, infrastructure and applications

PILLAR 4
Contributing to the nation economy and societal well-being

PILLAR 2
Significant technology, infrastructure and applications

PILLAR 3
Spearheading space development and building expertise

OBJECTIVE 2
Utilizing space technology and innovation in solving problems and improving the quality of life

OBJECTIVE 4
Strengthen international strategic cooperation, governance and legislation in space activities

PILLAR 1
Strengthening governance

PILLAR 5
International relation and cooperation

MALAYSIA SPACE EXPLORATION 2030











MOSTI - REGULATION/ACT/ETC...

MYSA

Industry/Academia

Space Science Enrichment

Talent/tech Development

Joint Basic Research

Knowledge Creation

Industry

New Systems

Demand Creation

Experts Sharing

User Segment

Open Data

Industry

Ground segment

Data Acquisition

Programming

AIV

GS

Network Services

Manufacturing

Space segment

New Systems

TT&C

Payload

JV Services

RESEARCH AND DEVELOPMENT



Multi-sector remote sensing application System (GovRS-Apps) is a centralized, comprehensive and integrated application system and remote sensing geospatial database containing geospatial information from various sectors such as agriculture and fishery; natural resources and environment, disaster; environmental health; land development, property valuation and management; environmental auditing and physical development; national security and sovereignty.

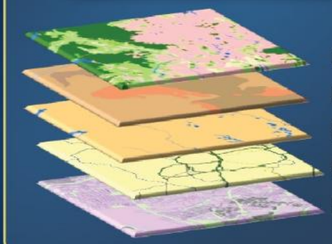
SATELLITE IMAGE



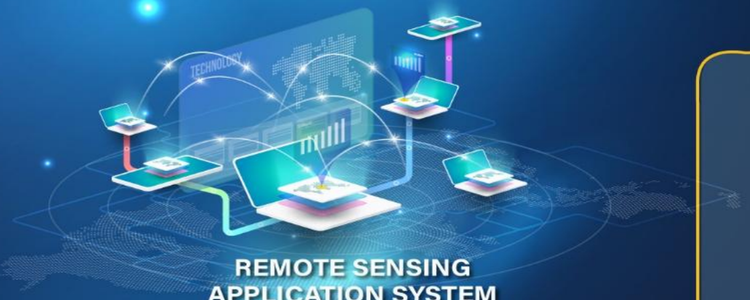
UAV-RS DATA



NEW AND UP-TO-DATE INFORMATION GENERATION



LANDUSE
LITHOLOGY
RIVER
ROAD
ETC.



REMOTE SENSING APPLICATION SYSTEM AND INTEGRATED GEOSPATIAL DATABASE



ATTRIBUTE & SUPPORT DATA THROUGH GOVERNMENT AGENCY STRATEGIC COLLABORATION





COLABORATION IMPLEMENTATION MORE THAN **70** GOVERNMENT AGENCIES

MAIN APPLICATION FIELD (SEDIA ADA DAN BAHARU)

- AGRICULTURE & FISHERY
- NATURAL RESOURCES & ENVIRONMENT
- LAND DEVELOPMENT & MONITORING
- PROPERTY VALUATION & MANAGEMENT
- ENVIRONMENTAL AUDITING & PHYSICAL DEVELOPMENT
- COMMODITY PLANTATIONS
- ENVIRONMENTAL HEALTH
- DISASTER MANAGEMENT
- NATIONAL SECURITY & DEFENCE



ONLINE ACCESS



- SAVE COST
- IN-HOUSE EXPERTISE
- SAVE TIME
- TO SECURE NATIONAL STRATEGIC INFORMATION

CAPACITY DEVELOPMENT

NEEDS

- Space Applications
- Space Science
- Space Technology
- Space Operation
- Space Mission Support
- Aeronautical & Astronautical

INITIATIVES

- Transfer of Technology
- International Collaboration
- Expert Exchange
- Joint Research & Development



IMMINENT
CHALLENGES TO CONFRONT

EXTERNAL

- GLOBAL GEOPOLITIC UNCERTAINTY
- GLOBAL COLLABORATION
- SUPER POWER COMPETITION / ECONOMY
- CONTROL OF STRATEGIC TECHNOLOGY

INTERNAL

- FINANCIAL & DOMESTIC SPACE MARKET
- EFFECTIVE REGULATORY & POLICY GAPS
- TROPICAL ENVIRONMENT & DISASTER

THANK YOU

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