

- INDONESIA:
  - 260+ M Population, 17000+ Island, 34 provinces, 500+ districts/cities, 300+ ethnic/languages
- Major issues:
  - CONNECTIVITY (infrastructure, transportation, access, communication, internet)
  - → PROSPERITY GAP (skill, education, health, poverty, food security, housing&settlement)
  - One of the world's most active NATURAL DISASTER zone (earthquakes, tsunami, volcanic eruption, flood, landslide, forest fire)
- → 10 GOVERNMENT PRIORITY PROGRAM
  - poverty(1), food security(2), health(3), education(4), energy(7), business & tourism(8), infrastructure connectivity maritime(9, 14), housing&settlement(6,11,15), regional development(10), politics legal & defence(16)
- Space S&T in Indonesia:
  - **Communication Sat:** connectivity, education, health, internet, banking ect
  - **EO sat:** natural resources management: *fresh water management* (surface water mapping and monitoring, irrigation management); *land use and ecosystem services* (forestry, land cover mapping, crop monitoring, biomass and carbon stock management, detailed spatial planning); oceans (fisheries monitoring and fish catch, coral reef monitoring, coastal development, and illegal fishing); Natural disaster( hot spots, burnt forest area, area affected by flood, landslide area (before & after) volcano, tsunami)
  - **GNSS**, transportation, navigation, timing etc
  - **Meteorology** weather forecast
  - **34 provinces data distributions and technical training.**

- Regulation
  - Law of The Republic of Indonesia No. 21 of 2013 on Space Activities;  
5 main activities: Space science, Remote Sensing, Development of Aerospace Technology, Launching, Commercialization of space activities
  - Presidential Regulation No. 45 of 2017 on Space Activities for 2016-2040  
The Master Plan contains vision and mission, policy and strategy, short, medium and long term strategic road map of space activities in Indonesia.
  - Government Regulation No. 11 of 2018 on Procedures of Remote Sensing Activities in Indonesia
    - providing procedures to any entities in performing remote sensing activities include: Data Acquisition; Data Processing; Data archiving and distribution; Application and dissemination of Information.
- Cooperation
  - Space Race and competition → way of life & cooperation in achieving global developing goals
  - International Partnership Program, Research and knowledge sharing, Capacity building and technical support.