

Philippine Space Agency

Advancing Philippine Space Technology and Applications for Sustainable Socioeconomic Development

Gay Jane Perez, Ph.D. Deputy Director General for Space Science and Technology

> Committee on the Peaceful Uses of Outer Space Scientific and Technical Subcommittee Meeting 58th Session 26 April 2021 Vienna, Austria



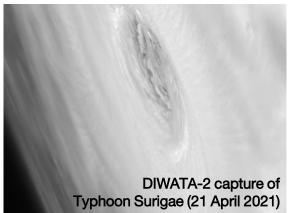
Seeing the Philippines "from a different angle"



Vulnerability to Hazards and other Challenges



https://www.ibtimes.com/after-typhoon-haiyan-philippines-economygrows-slowest-pace-over-year-1489028





https://www.rappler.com/nation/coronavirus-cases-philippines-april-17-2021

Natural disasters and the health crisis threatens the economy and security of a nation

Space technology provides **timely** data for **proactive** actions

Every year

A year and counting

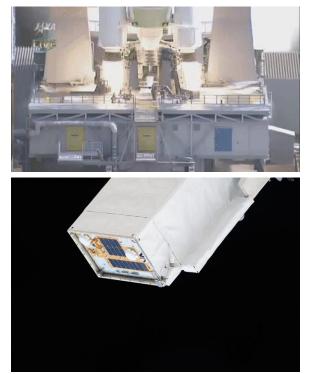
The Philippine Space Agency Building an integrated and sustainable national space program



The Philippine Space Agency (PhilSA) Building from the ground up, but not from scratch



Developing nano- and microsatellites

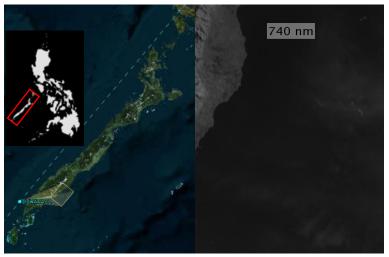


DIWATA-1 and DIWATA-2 launched into space in 2016 and 2018, respectively

Flagship Initiatives

Space Science & Technology and its Applications Program

Mobilizing Space Data





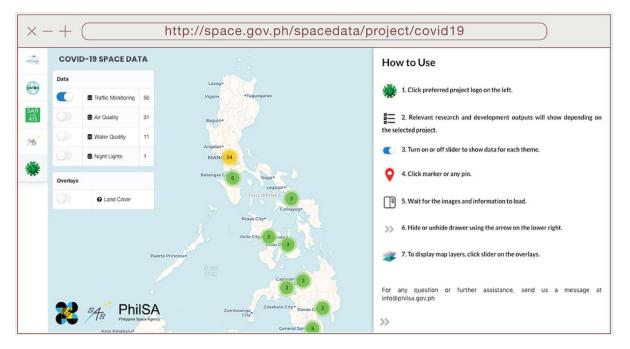
For Digital Inclusion, Economy, and Government Advanced Satellite Development



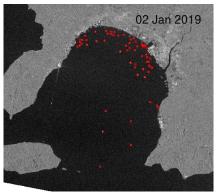


Philippine Satellites as Vital Component of National Information Infrastructure

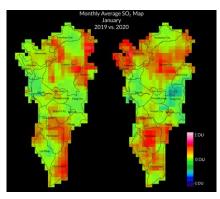
Mobilizing Space Data Addressing global pandemic health crisis



COVID-19 Space Data Dashboard



Traffic monitoring



Changes in air quality

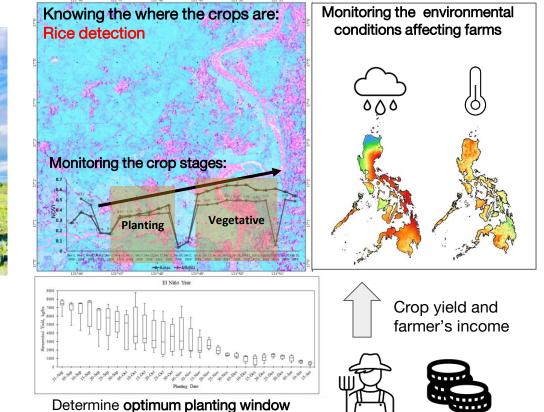
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Mobilizing Space Data Addressing food security



Author: DA Communications Group | 28 July 2020

Ensuring steady supply of food through **disaster-resilient farm technologies**



to mitigate risks from drought or flooding

Advanced Satellite Development



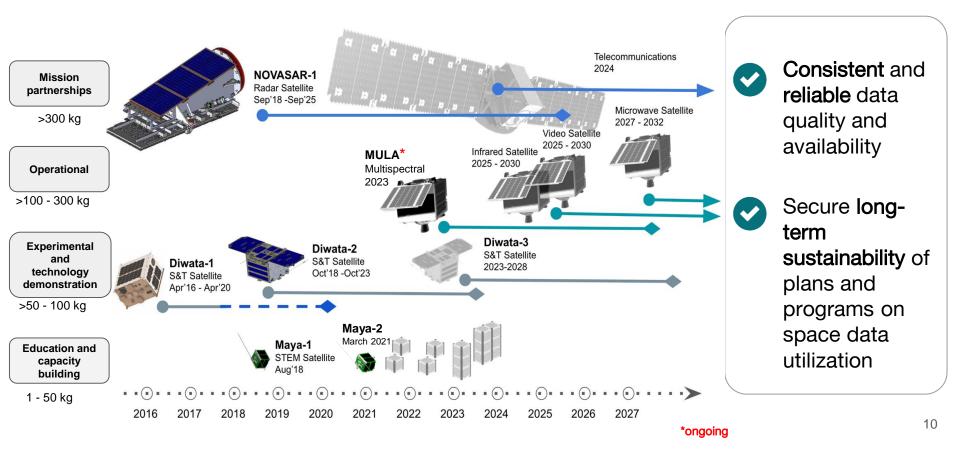




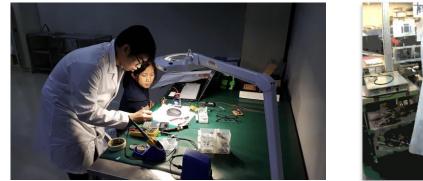
Multispectral Unit for Land Applications (MULA) Satellite

Multiple imaging bands for agricultural monitoring and assessment

Satellite Technology Roadmap



Strengthening capabilities and transferring knowledge





Know-how transfer and retention mechanism: Building a strong workforce



Space education and awareness: Engaging the future space scientists and engineers

The PhilSA's engagements with the international space community

PhilSA is now representing the country in the following space-related bodies



Sub-Committee on Space Technology and Applications (SCOSA) under the ASEAN Committee on Science, Technology and Innovation.



UN Committee on the Peaceful Uses of Outer Space (COPUOS). Economic and Social Commission for Asia and the Pacific

Regional Cooperation in Space Applications (RESAP) of the UN Economic and Social Commission for Asia and the Pacific.

Creating stronger ties



Courtesy call of Ambassador of India

Asia-Pacific Regional Space Agency Forum (APRSAF) Space Applications Working Group Restructuring Discussion Meeting March 10, 2021 | Via Webex



PhilSA, UAE Embassy discuss possible space cooperation

Posted by: Philippine Space Agency

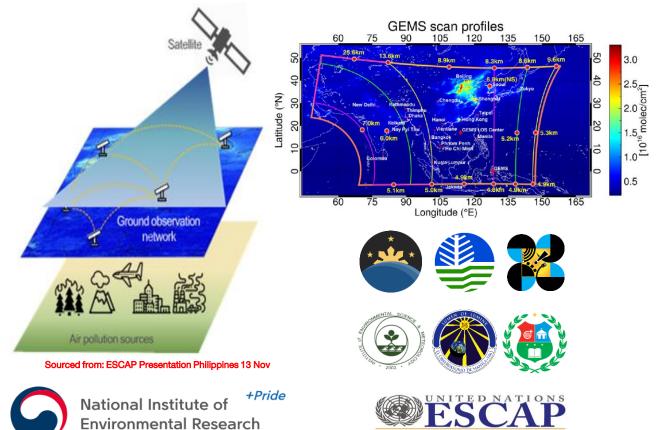
February 24, 2021



Creating stronger ties

Pan Asia Partnership for Geospatial Air Pollution Information (PAPGAPI) Project

Economic and Social Commission for Asia and the Pacific

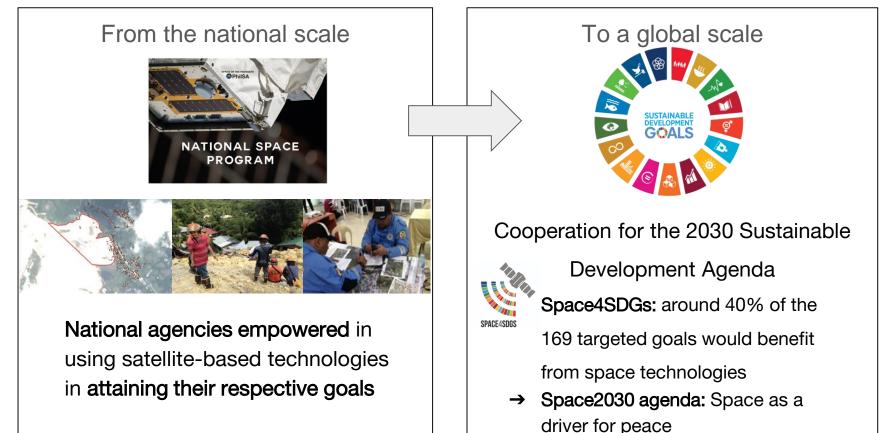


Global Environmental Monitoring System (GEMS) payload onboard the GEO-KOMPSAT-2B satellite - launched on 18 February 2020 by the Republic of Korea.

Establishing an inclusive community



Moving forward: long-term sustainability goals and socioeconomic development





Our Vision

Thank you. Maraming salamat po.

The PhilSA envisions a Filipino nation **bridged**, **uplifted**, and **empowered** through the peaceful uses of outer space.

Our Mission

We will promote and sustain a robust Philippine space ecosystem that **adds and creates value** in space **for and from Filipinos and for the world**.

Contact Us

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