Philippine Space Agency

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29th Session of Intergovernmental Consultative Committee on the Regional Space Applications Programme for Sustainable Development

ICC AGENDA ITEM 2: Progress in implementing the Asia-Pacific Plan of Action on Space Applications for Sustainable Development (2018-2030)

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Director
Space Information Infrastructure Bureau
Philippine Space Agency
Philippines

Philippines' Country Report

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   - Digital Economy Package

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Mobilizing Space Data for National Development

#YamangKalawakan

Value Creation in Space and the Space Value Chain



21,294

Satellite images and maps supporting national development, hazard management, and climate studies were distributed to stakeholders



19,072

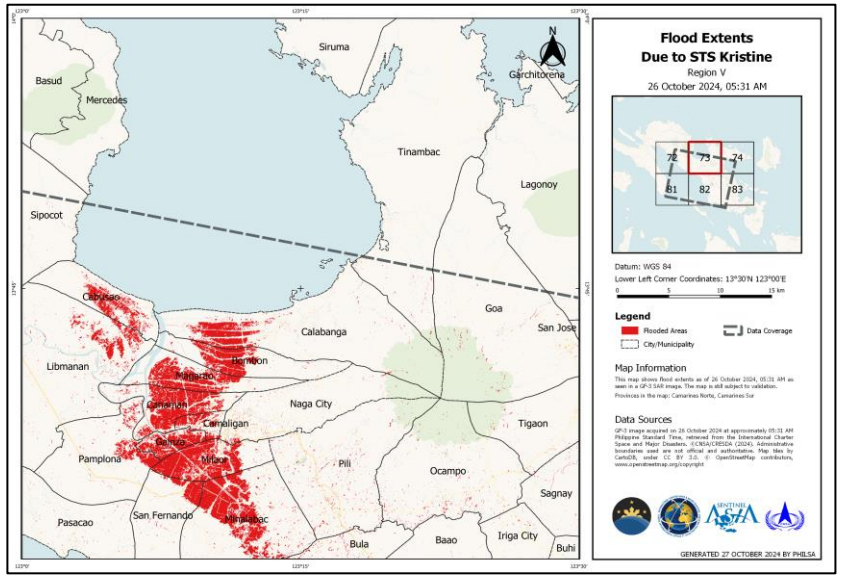
Total person-hours of space data training provided to empower Filipinos with skills in space data utilization for national development, hazard management, and climate studies

National Government Agencies and other relevant institutions

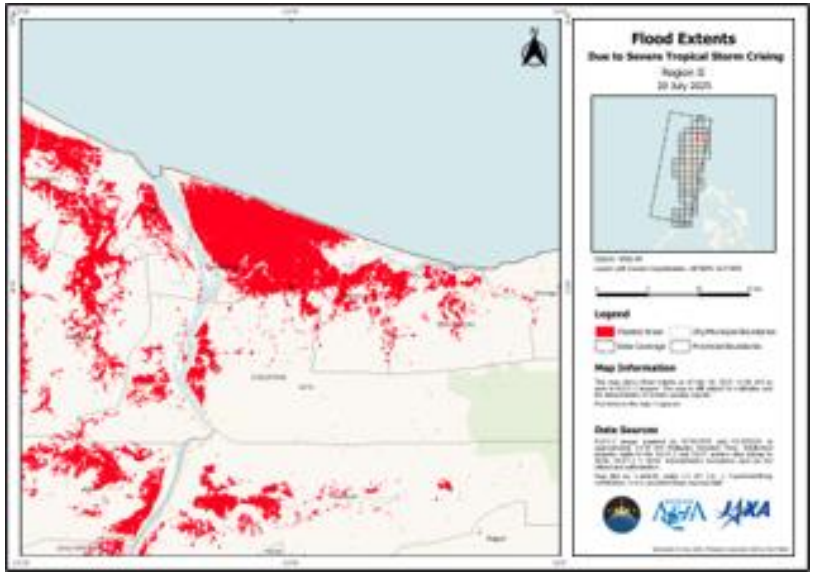
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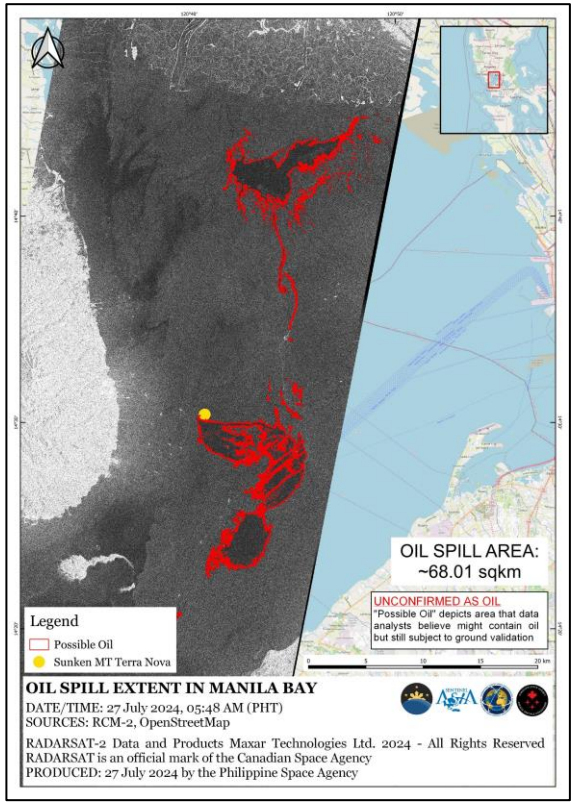
Research and knowledge sharing and Capacity-building and technical support



Flood extents due to
Severe Tropical Storm Kristine
(October 2024)



Flood extents due to
Severe Tropical Storm Crising
(July 2025)

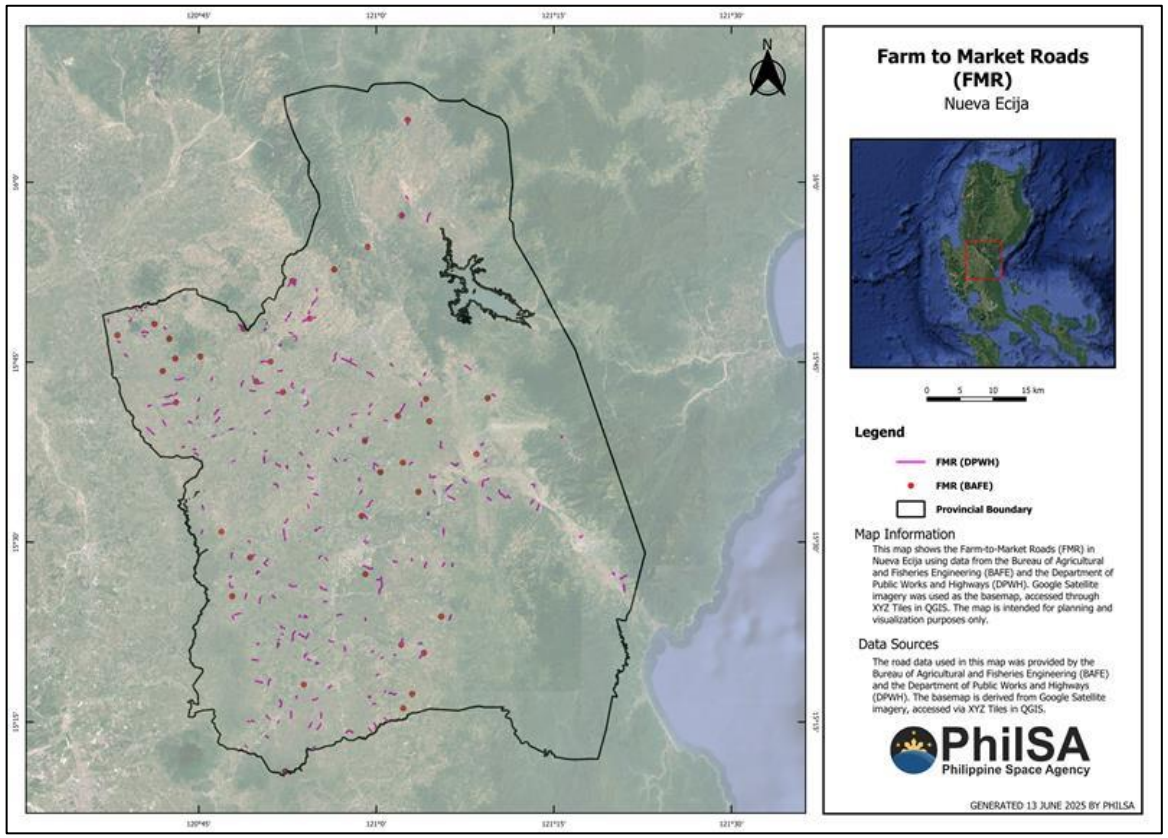


Oil spill in Manila Bay
(July 2024)

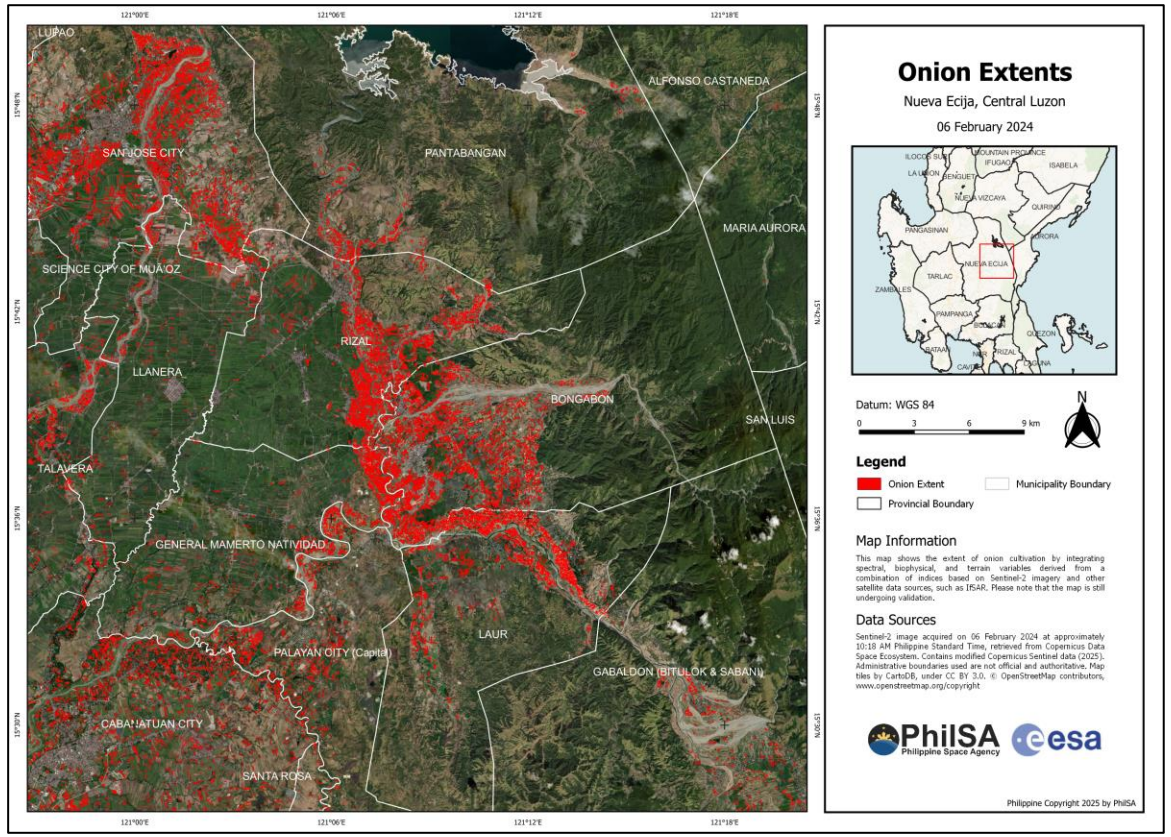
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Research and knowledge sharing and Capacity-building and technical support



Farm to Market roads in Nueva Ecija

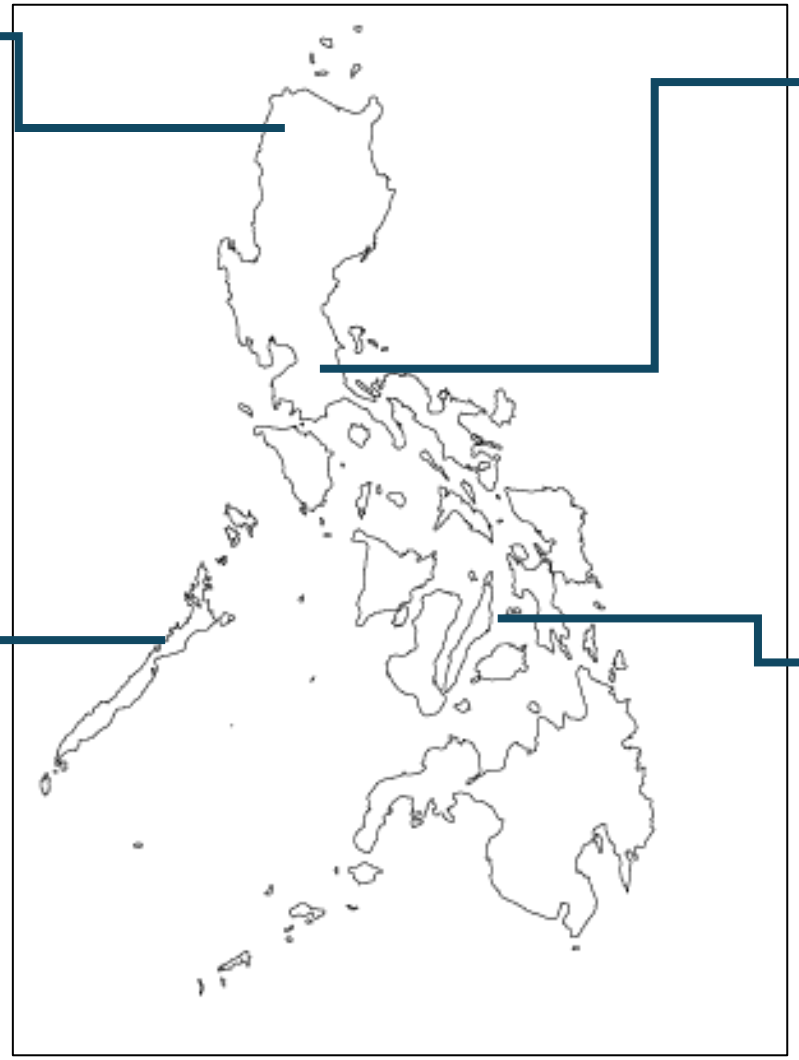


Map shows onion extents in Nueva Ecija

Pandora for Air Quality Monitoring in the Philippines

LOCATION	INSTALLATION DATE
Mariano Marcos State University, Batac City, Ilocos Norte	3 September 2024

LOCATION	INSTALLATION DATE
Department of Environment and Natural Resources - Provincial Environmental Management Unit, Palawan	17 September 2024



MANILA OBSERVATORY

LOCATION	INSTALLATION DATE
Manila Observatory, Ateneo De Manila University, Quezon City	19 July 2024

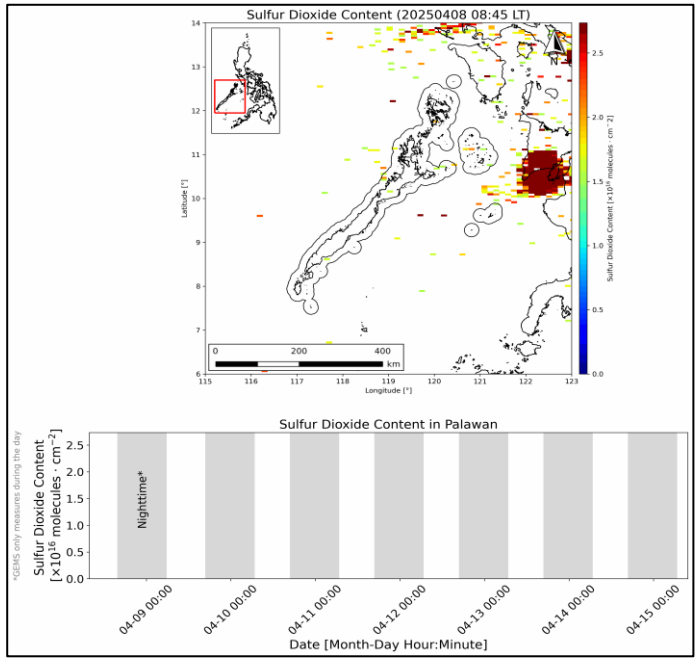
UNIVERSITY of SAN CARLOS
SCIENTIA • VIRTUS • DEVOTIO

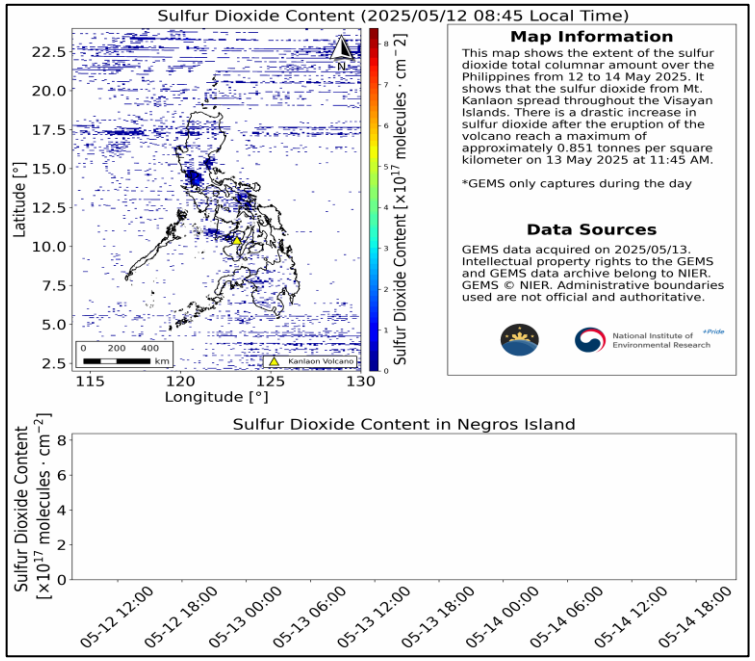
LOCATION	INSTALLATION DATE
University of San Carlos - Talamban Campus, Cebu City	11 October 2024

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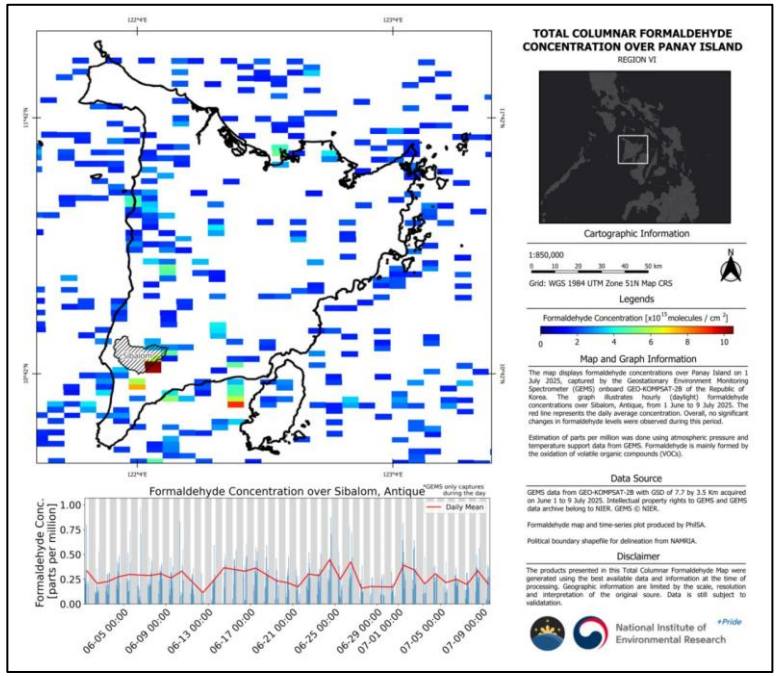
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Pandora for Air Quality Monitoring in the Philippines





Sulfur Dioxide extent from Mount Kanlaon on 13 May 2025



Formaldehyde concentrations over Panay Island on 01 July 2025

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CropBio

Red shade – NK6410 (Between Flowering and Maturation)
Green shade – Advanta 999 (Maturation)
Blue shade – Pioneer (Between Flowering and Maturation)

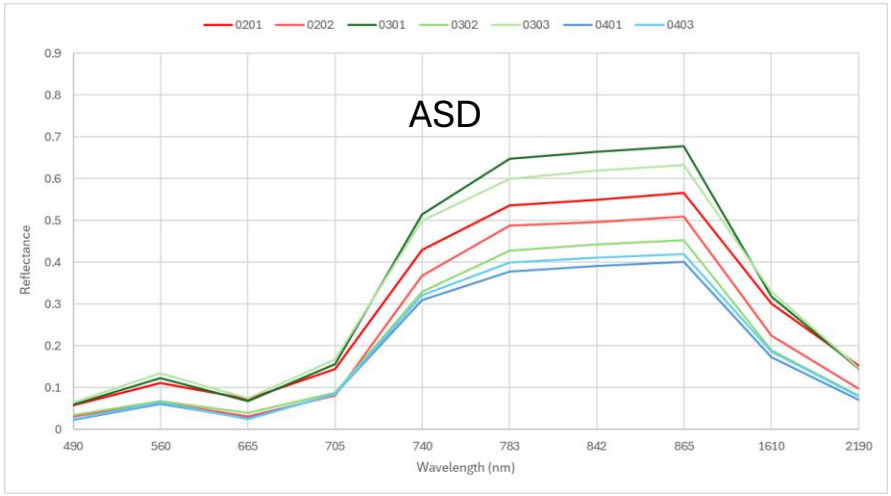


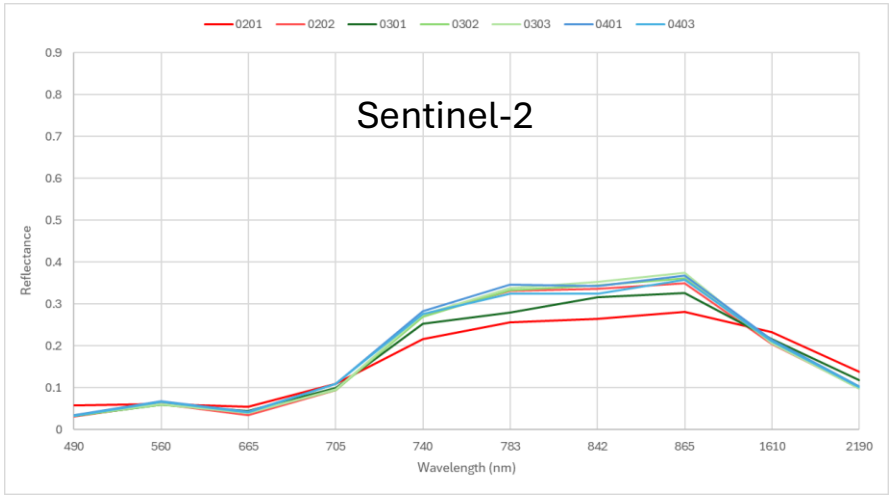
The field survey area (green) showing the field sampling points (yellow)





Joint field survey in Ilocos Norte, Philippines from March 18 - 20, 2025



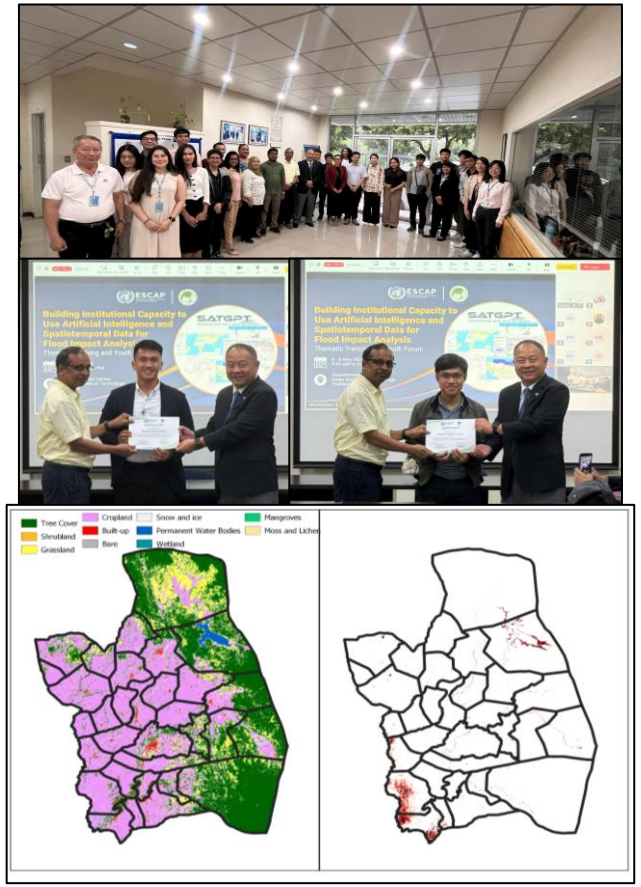


Spectral analysis of three corn varieties

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SatGPT for Flood Hotspot Mapping:

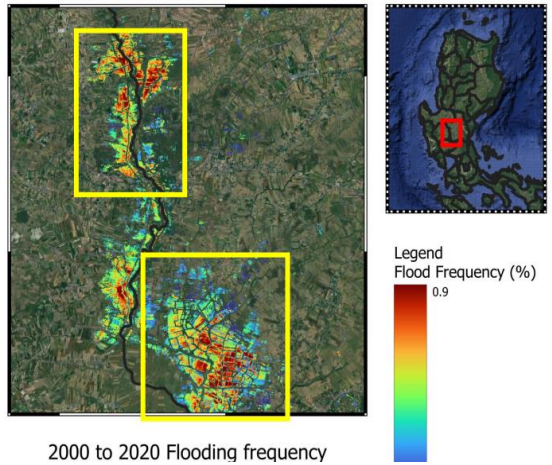
A tool for generating historical flood maps in less than one minute



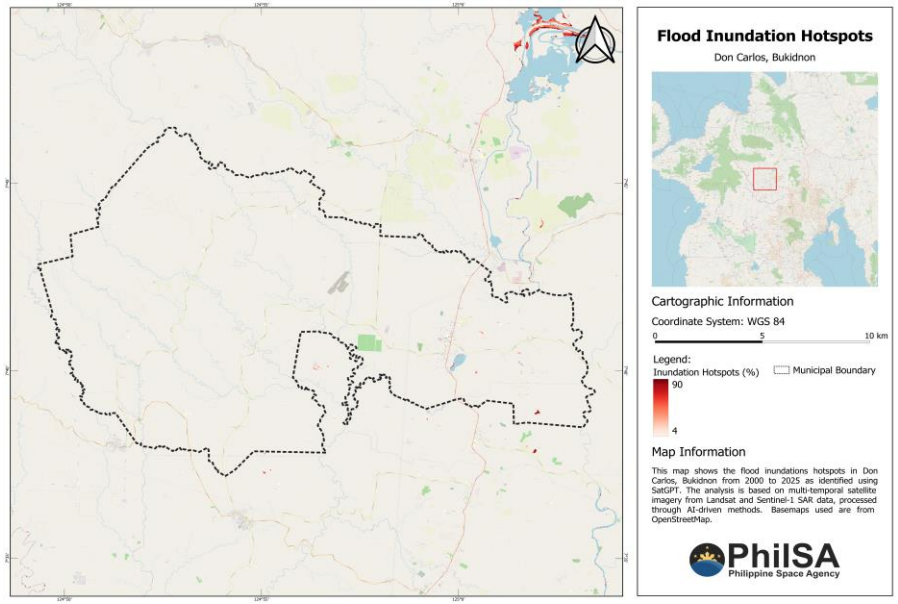
PhilSA participated in the May 2025 SatGPT Training in Thailand hosted by UNESCAP, BRIN, GISTDA, and AIT.



In June 2025, UNESCAP tapped PhilSA to become training facilitators in the SatGPT Training leg in Jakarta, Indonesia.



2000 to 2020 Flooding frequency



An inundation hotspot maps based on SatGPT was generated and given to stakeholders.

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Intergovernmental discussions and regional practices

9th Joint Project Team Meeting for Sentinel Asia Members



Date: 05-07 November 2024

37 Organizations

- **22 International Organizations**
- **15 Local Organizations**

Land Cover/Land Use Changes in Southeast Asia - Regional Environmental Impacts and Synthesis



Date: 19-21 February 2025

Training Location:

- **Iloilo City, Philippines**

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Intergovernmental discussions and regional practices



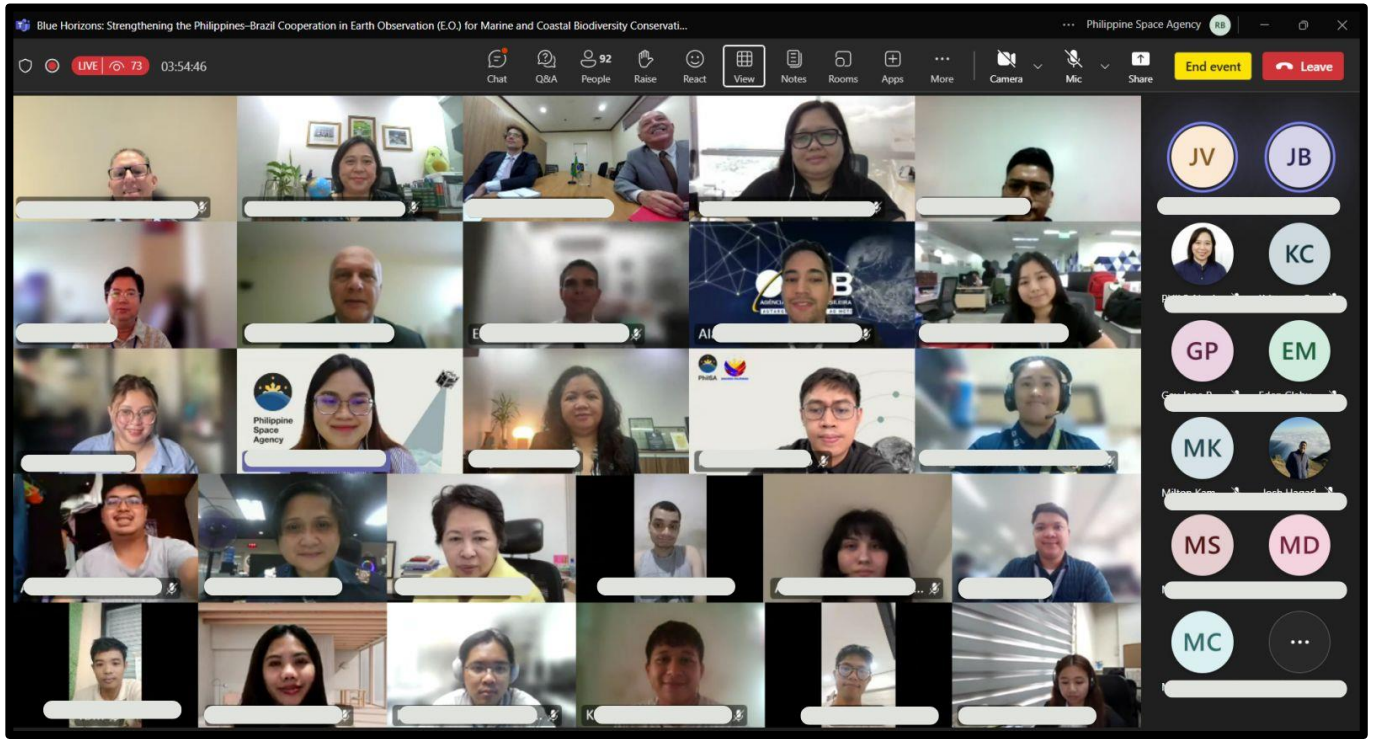


Photo taken during the Blue Horizons Webinar

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National Copernicus Capacity Support Action Programme



Scan me!

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National Copernicus Capacity Support Action Programme

SCO International: 2025

CopPhil-BlueHab

Supported by Philippine Space Agency

Theme: Coastal areas

Using in situ and Copernicus satellite data, the CopPhil-BlueHab project proposes to **map** and monitor **coastal habitats** such as coral reefs and seagrass beds in the Philippines. The data generated will provide real decision-making tools to **support marine spatial planning and biodiversity conservation** in the context of climate change. This study will be made available **via the CopPhil infrastructure**, a **web-based** Earth observation data **platform** to be deployed in 2025.

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Future Activities

31ST APRSAF
ASIA-PACIFIC REGIONAL SPACE AGENCY FORUM
PHILIPPINES

18 – 21 November 2025
Cebu, Philippines

"Empowering the Region through Space Ecosystem in Action"



Agenzia Spaziale Italiana

PhilSA

7th International Space Forum at the Ministerial Level – Southeast Asia Chapter

04 December 2025



Our Vision

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.

Philippine Space Agency

PhilSA

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Thank you.

Philippine Space Agency

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