



9th Joint Project Team Meeting

Satellite Data Utilization for Meteorological Applications in the Philippines

Marcelino Q. Villafuerte II Deputy Administrator, DOST-PAGASA 05 November 2024

MHEWS Components

UN Executive Action Plan 2023-2027



Disaster risk knowledge

Systematically collect data and undertake risk assessments

- Are the hazards and the vulnerabilities well known by the communities?
- What are the patterns and trends in these factors?
- · Are risk maps and data widely available?

Preparedness and response

Build national and community response capabilities

Are response plans up to date and tested? Are local capacities and knowledge made

Are people preapred and ready to react to

capabilities

warnings?





Detection, observations, monitoring, analysis and forecasting of hazards

Are the right parameters being monitored? Is there a sound scientific basis for

Develop hazard monitoring and early warning services

Can accurate and timely warnings

making forecasts?

be generated?

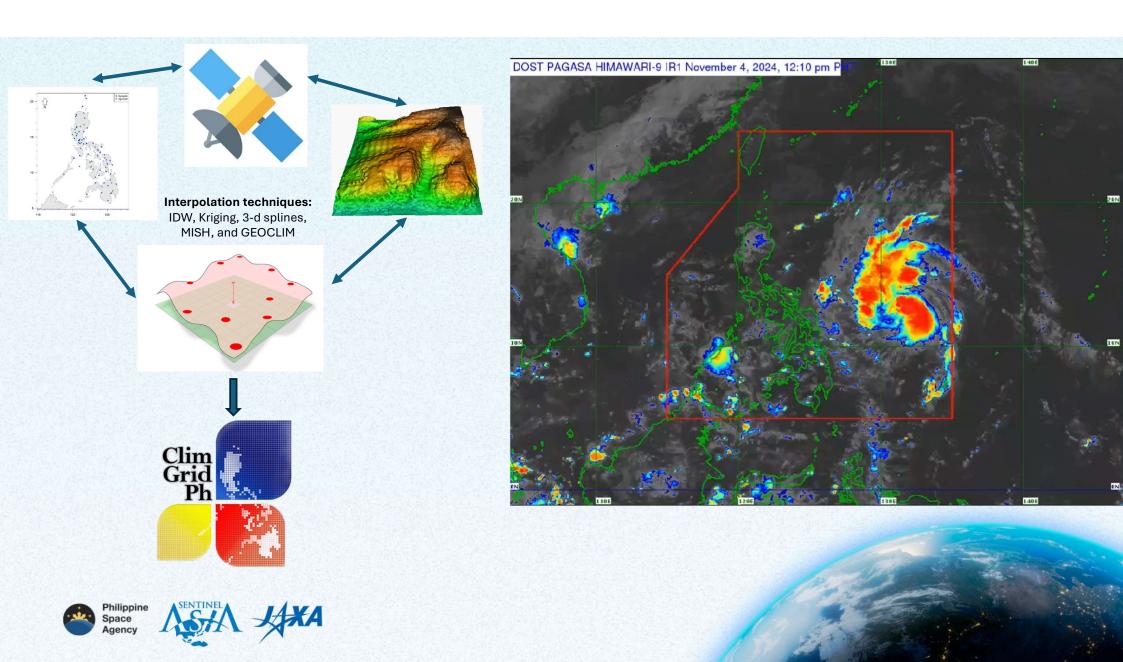


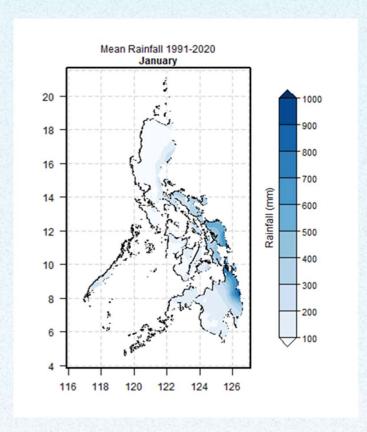
- · Do warnings reach all of those at risk?
- Are the risks and warnings understood?
- Is the warning information clear and usable?

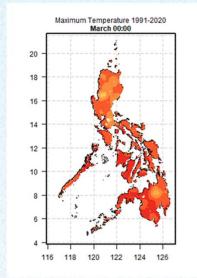


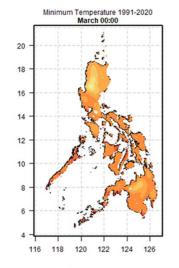


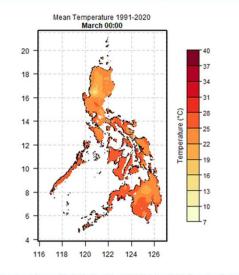














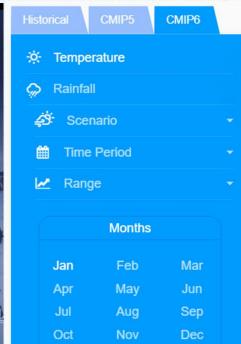






Climate Information Map







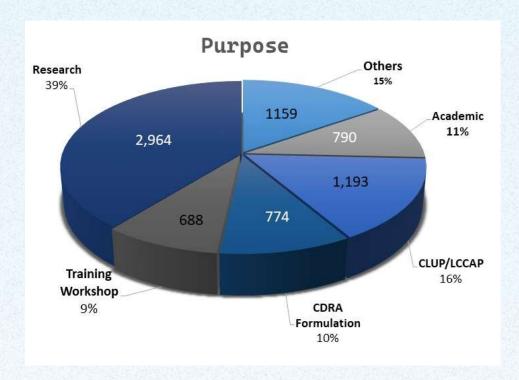


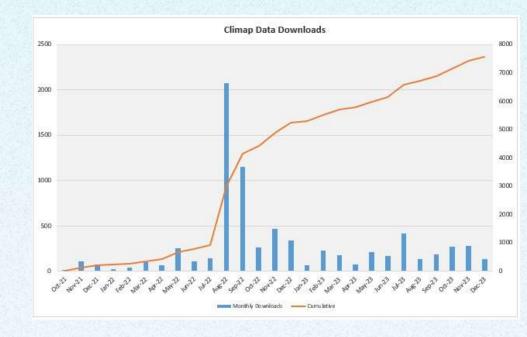






7,568 Successful Downloads (Oct. 2021 – Dec. 31, 2023)





Affiliations

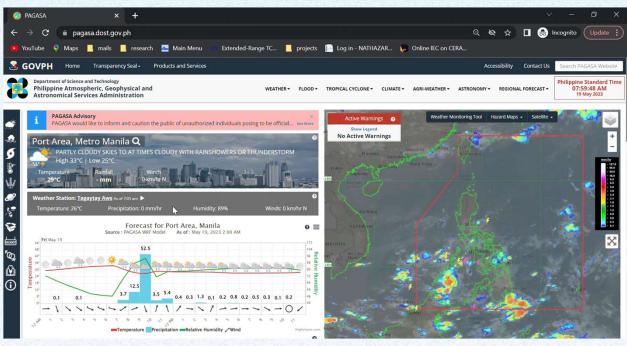
- NGAs
- LGUs
- Academic/Research Institutions
- Private Companies (environmental consultancy, electric coop., real estate)
- Other Organizations (ADB, UN-Habitat)











- ✓ Provides near-real-time satellite rainfall estimates observed in the previous 1-, 2-, 3-, and 6hour, as well as the previous 1-, 2-, 3-, and 5-day rainfall accumulations
- ✓ Translates observed rainfall relative to historical data
- ✓ Indicates areas possible to experience flooding







Thank you!

CONNECT WITH US



Office of the Deputy Administrator for R&D DOST-PAGASA

Trunkline No.: (02) 8284 0800 (Loc. 1410)



Marcelino Q. Villafuerte II, PhD. email: mvillafuerte@pagasa.dost.gov.ph



http://bagong.pagasa.dost.gov.ph/ www.facebook.com/PAGASA.DOST.GOV.PH @dost_pagasa





