



REPUBLIC OF THE PHILIPPINES
Department of Science and Technology
Philippine Atmospheric, Geophysical and
Astronomical Services Administration (PAGASA)
 Science Garden, Agham Road, Diliman, Quezon City 1100

Status of Implementation and Program/Project Evaluation and/or Assessment Reports

| Project Title | Status |
|---|--|
| Climate Impact modeling on various sectors (e.g. water, agriculture, health) | <ul style="list-style-type: none"> • Presented to DENR the topic titled “Climate Chance, Climate Projections and Impacts and Risks during Stakeholders consultation on Draft Dao to strengthen the incorporated of climate change in the EIS system. |
| Develop an ensemble of climate change scenario in the Philippines | <ul style="list-style-type: none"> • Finished downscaling emission scenario using CCAM, CMIP5, GFDL3-RCP45; 100km resolution (2099), 20km resolution (2099), 8km Luzon (2039) and 8km Mindanao / Visayas (2073). |
| Development of Drought Monitoring index for the Philippines using Standard Precipitation Index (SPI) as a Drought Monitoring Tool | <ul style="list-style-type: none"> • Process SPI data for the month of November 2014. |
| Enhancement of PAGASA Climate Forecast System Using Consensus Forecast Approach (REAP) | <ul style="list-style-type: none"> • Editing of the Forecast Guidebook. |
| Philippine Climate Change Adaptation Project (PhilCCAP) | <ul style="list-style-type: none"> • Completed 4 Course Module for the Climate Field School <ul style="list-style-type: none"> - Basic Meteorology and Climatology - Weather Observation and Instrumentation - Weather Forecasting - Using Climate Forecasts in Managing Climate Risks in Agriculture • Completed the 8km resolution climate projection for Tuguegarao and Iloilo • Completed two training conducted by Dr. Katzfey of CSIRO on climate modelling using CCAM • Training on the use of climate projections participated by PhilCCAP end-users (NIA, BSWM and PCIC) |

“tracking the sky... helping the country”

| | |
|--|--|
| <p>FAO - AMICAF Project on “Utilizing Coupled Model Intercomparison Project Phase 5 (CMIP5) for Statistical Downscaling under MOSAICC”</p> | <ul style="list-style-type: none"> • Performed preliminary analysis of extreme events such as general trend analysis on frequency of hot days and warm nights, cool days and cool nights |
| <p>Wind Resource Assessment for Wind Power Systems</p> | <ul style="list-style-type: none"> • Conducted assessment of the wind instrument installed in Can-Avid, Samar which was totally devastated by Typhoon Ruby |
| <p>Energy Infrastructure Vulnerability and Risk Analysis: Electricity Transmission Severe Wind Analysis</p> | <ul style="list-style-type: none"> • Re-run the Typhoon Glenda using TCRM, matching/ reconciling the TCRM wind speeds output from Typhoon Glenda with 4 ground truth points (observed data) • Compiled the data from Typhoon Hagupit • Run the individual TC events (Typhoons Hagupit and Milenyo) using TCRM |
| <p>Development of a Low Cost and Locally Designed Meteorological Buoy (METBUOY)</p> | <ul style="list-style-type: none"> • Meetings were conducted at ASTI and PAGASA between the cooperating agencies regarding the IEC for locally made Met Buoys to be conducted in Matnog Sorsogon and Aborlan, Palawan • IEC was conducted last December 5, 2014 in Aborlan, Palawan with 80 participants |