



Republic of the Philippines  
**Department of Environment and Natural Resources**

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**MEMORANDUM**

FOR/TO : **The Undersecretaries**

**The Assistant Secretaries**

**The Directors**

Environmental Management Bureau  
Mines and Geosciences Bureau  
Biodiversity Management Bureau  
Forest Management Bureau  
Ecosystems Research and Development Bureau  
Land Management Bureau

**The Service Directors**

**The Heads, Attached Agencies**

**The Regional Executive Directors**

**The Regional Directors**

Environmental Management Bureau  
Mines and Geosciences Bureau

FROM : **The Undersecretary**  
Finance, Information Systems, and Climate Change

SUBJECT : **SHAPEFILES OF THE MAPS IN THE PHILIPPINE CLIMATE  
EXTREMES REPORT 2020**

DATE : 03 August 2022

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As per the directive of the Secretary, provided below is the [link to the shapefiles](https://www.pagasa.dost.gov.ph/climate/climate-change/dynamic-downscaling/climap) of the maps presented in the Philippine Climate Extremes Report 2020 of the Department of Science and Technology - Philippine Atmospheric, Geophysical and Astronomical Services Administration (DOST-PAGASA) in partnership with Manila Observatory and Ateneo de Manila University. The shapefiles can be accessed through the CliMap:

<https://www.pagasa.dost.gov.ph/climate/climate-change/dynamic-downscaling/climap>

We would like to request respective Offices of the Bureaus, Services, Attached Agencies and Regional Offices, to overlay the said shapefiles of projections on rainfall and temperatures at the provincial level on your respective resource maps to enable us to analyze our programs, make risk-informed decisions, and prioritize our limited resources. The instruction on how to download the shapefiles is attached.

For appropriate action.

  
ATTY. ANALIZA REBUELTA-TEH

## INSTRUCTIONS ON HOW TO DOWNLOAD THE SHAPEFILES THROUGH THE CLIMAP

1. Visit the CliMap website through clicking the link: <https://www.pagasa.dost.gov.ph/climate/climate-change/dynamic-downscaling/climap>
2. Once you reach the website, the Climate Projection Map Interface of the CliMap will show the provincial projection information of Seasonal Mean and Climate Extreme Indices of Rainfall and Temperature. To switch between the type of projection shown (temperature and rainfall), simply click the desired variable on the header tab (upper left) over the map interface. Below the temperature and rainfall tab, different climate extreme indices can be found.
3. The right panel provides users with the option to choose between seasons (for seasonal mean projections), the Representative Concentration Pathway (or RCP) scenarios, and the future timeline. It also shows the scale for the value being displayed and the corresponding unit. Choose the regional/provincial jurisdiction using the filter map.
4. Once you have identified the indicators for your desired projection, you may right-click on your selected province and choose “Download GIS files”.

*Note: While the maps provide immediate visualization of the climate projections, raw files are also made available for download from this online portal. The platform allows users to download the excel format of the Climate Information Risk Analysis Matrix (or CLIRAM) and the Climate Extremes Risk Analysis Matrix (or CERAM), as well as the maps and their corresponding vector file formats. To do so, just CLICK the desired provincial domain and select the needed information either the CLIRAM (or CERAM), or the map.*

5. After selecting the “Download GIS files”, the user will then be redirected to an online registration form to fill out. Once filled out, the download links will be sent to the registered email address of the user. Please note that the download link will expire upon successfully downloading the file, so users are advised to save them securely for their future use.
6. The meaning and description of the Climate Extremes Indices, can be found on the lower part of the webpage with the title “THE CLIMATE EXTREMES INDICES”.
7. For additional information regarding the climate projection, its methodology, data sources, etc go to: [PAGASA \(dost.gov.ph\)](https://www.pagasa.dost.gov.ph)