

**Link to images:** <http://i.imgur.com/vbyDsWw.jpg?1>

**Title:** Statistically downscaled Coupled Model Intercomparison Project Phase 3 (CMIP3) Climate Change Projections (2011-2040)

**Overview**

Based on Intergovernmental Panel on Climate Change (IPCC, 2007b), changing climate is projected to have a number of impacts, including possible water shortages, decreased agricultural production and food security. With these considerations a joint project undertaking was forged with the Philippine Atmospheric, Geophysical, and Astronomical Services Administration (PAGASA) and the FAO-AMICAF (Food and Agriculture Organization of the United Nations) with the cooperation of the University of Cantabria in Spain. The project aims to assess vulnerability of households to food insecurity through the use of a tool called MOSAICC (**Modelling System for Agricultural Impacts of Climate Change). Ultimately, climate information generated from the project can be used to** provide relevant and updated climate information for national socioeconomic policy making.

The work plan was implemented through a series of workflow wherein PAGASA undertook the first step of the work plan which is the climate scenario downscaling. Global climate models (GCMs) were statistically downscaled at station level under the Coupled Model Intercomparison Project Phase 3 (CMIP3). These GCMs are BCM2, CNCM3, and MPEH5.

Results of climate projections are provided in two time period: historical (1971-2000) and projections (2011-2040) using two Special Report on Emission Scenarios (SRES): A1B (medium-range) and A2 (high-range). SRES are based on projected greenhouse gases emissions in future years.

There are three seasonal variables available for download: precipitation, minimum temperature, and maximum temperature. A technical note to help you understand our products is also available for download via this **link.**

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| --- | --- |
| VARIABLE | DATASET |
| Precipitation | [Historical (1971-2000)](https://www.dropbox.com/s/mokgxxzzr85151a/CMIP3_SeasonalRR_20C3M_GoogleEarth.kmz?dl=0) |
| [SRES A1B (2011-2040)](https://www.dropbox.com/s/p2rqt5hq539qz6e/CMIP3_SeasonalRR_A1B_GoogleEarth.kmz?dl=0) |
| [SRES A2 (2011-2040)](https://www.dropbox.com/s/5059z74wqooxhf9/CMIP3_SeasonalRR_A2_GoogleEarth.kmz?dl=0) |
| Minimum Temperature | [Historical (1971-2000)](https://www.dropbox.com/s/j73l5gau6slh72h/CMIP3_SeasonalTmin_20C3M_GoogleEarth.kmz?dl=0) |
| [SRES](https://www.dropbox.com/s/8efcpc6474ikcq6/CMIP3_SeasonalTmin_A1B_GoogleEarth.kmz?dl=0) A1B (2011-2040) |
| [SRES A2 (2011-2040)](https://www.dropbox.com/s/juw45flvbkliysp/CMIP3_SeasonalTmin_A2_GoogleEarth.kmz?dl=0) |
| Maximum Temperature | [Historical (1971-2000)](https://www.dropbox.com/s/ltap1c3bame7jsv/CMIP3_SeasonalTmax_20C3M_GoogleEarth.kmz?dl=0) |
| [SRES A1B (2011-2040)](https://www.dropbox.com/s/lienrajpf8uecu1/CMIP3_SeasonalTmax_A1B_GoogleEarth.kmz?dl=0) |
| [SRES A2 (2011-2040)](https://www.dropbox.com/s/t1yhxvnt06plmyf/CMIP3_SeasonalTmax_A2_GoogleEarth.kmz?dl=0) |

**Note:** You need Google Earth to visualize the downloaded products

References  
  
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