

# Climate of Iran - Projection of Temperature and Precipitation until 2030

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This writing is continuation of results of a study that have started some years ago at the “Center for Research in Climate Change and Global Warming (CRCC)” of Institute for Advanced Studies in Basic Sciences – Zanjan, Iran. Its goal is to use “Regional Climate Model (RegCM)” for studying the regional climate of Iran and projecting it for 21st century. Up to now it has been done until 2030. Years 2010 to 2013 considered to assess the validation of modelings. Outputs of model compared with measured data of CRU. Relative error for maximum temperature gives about 5%, and for minimum and mean temperature, and precipitation about 10%. Regarding the projection, mean temperature will increase about 1 °C during next 16 years, and monthly precipitation will decrease about 4 mm during that period. Projection for next year is running.

**Keywords: Regional Climate Model (RegCM), Validation, Projection of Climate, Temperature, Precipitation.**

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