



Projection of future changes in climate in the Mediterranean Region

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Mediterranean since it is one of the regions that will be affected most by climate change. The objective of this study is to estimate changes in the future climatic parameters in the Mediterranean Region at a very fine grid resolution. WRF model is used to dynamically downscale NASA GISS GCM ModelE simulations in the Mediterranean at a 9 km by 9 km resolution for five current (2008-2012) and five future (2048-2052) years using the Representative Concentration Pathway 8.5 (RCP8.5). Results for temperature and precipitation are assessed annually and seasonally providing information for the estimated changes in a very fine scale across the Mediterranean Region. The estimated changes suggest that precipitation change is much more location dependent compared to temperature.

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