Comparing Wind Patterns at Menderes Area in Aegean Region, Turkey using different datasets at higher resolutions using Regional Climate Modeling RegCM4

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In this study, it is aimed to compare wind patterns at Menderes area in Aegean Region in Turkey using HadGEM2 dataset from Hadley Center, United Kingdom and MPI-ESM-MR dataset from Max Planck Institute, Germany. These datasets are downscaled to high resolutions at 10km, 5km and 1km for two different RCP scenarios RCP 4.5 and RCP 8.5 and for different time periods 1970-1999, 2020-2049 and 2070-2099 using Regional Climate Modeling RegCM4.5 and above of the Abdus Salam International Centre for Theoretical Physics (ICTP) to see the changes of the wind patterns at Menderes area in Aegean Region in Turkey due to climate change.