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The simulated summer western Mediterranean variability in the CIRCE ensemble

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The simulated western Mediterranean variability in summer in the two of the CIRCE ensemble of simulations, its relationships with large modes of climatic variability and its feedbacks are the subject of this study. The simulations were preformed with the models CNRS-IPSL and INGV-CMCC. The simulations cover the second part of the 20 Century and the first part of the 21 Century, During the 20 Century part of the simulations, the distribution and concentration of the atmospheric greenhouse gases and aerosols (anthropogenic sulfate only) will be specified from the observations, as was done for the AR4-IPCC integrations. During the 21 Century simulation the GHG and anthropogenic aerosol will be specified according to the A1B IPCC-SRES. The variable analyzed are anomalies of sea surface temp0earture, sea level pressure, 500 hPa geopotential height, air temperature and precipitation.