Supplementary figures

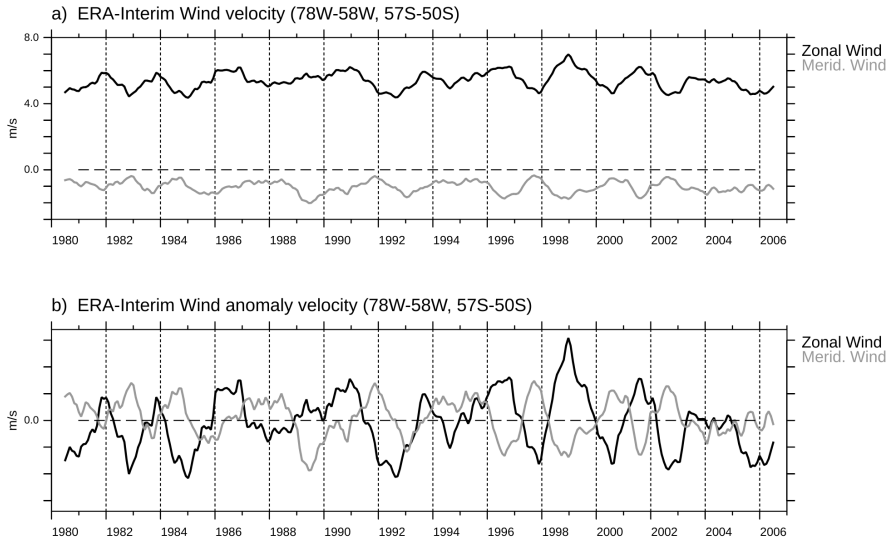

Figure 1 – *Area averaged* ($78-58°\mathrm{W}$, $57-50°\mathrm{S}$) *Era-Interim wind velocity. Wind velocity (panel a) and wind velocity anomalies (panel b). A 12-month running mean is applied to the data to filter the seasonal signal.*

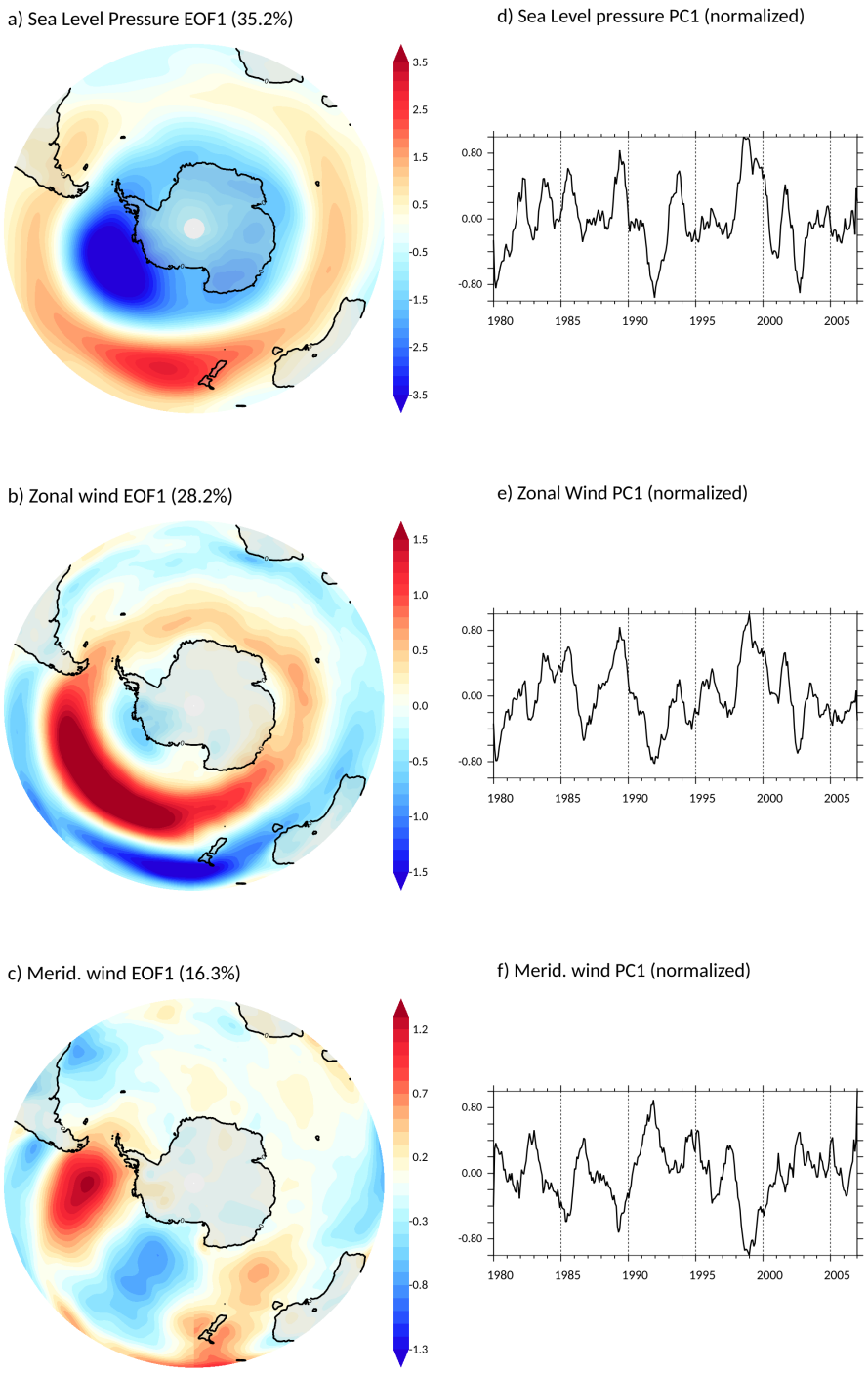

Figure 2 – *First EOF mode of sea-level pressure (a), zonal (b) and meridional (c) wind anomalies and annual means of first EOF mode of sea-level pressure (d), zonal (e) and meridional (f) wind anomalies, south of* 20° *based on the ERA-Interim reanalysis data during the period 1980-2006. A 12-month running mean is applied to the data to filter the seasonal signal.*