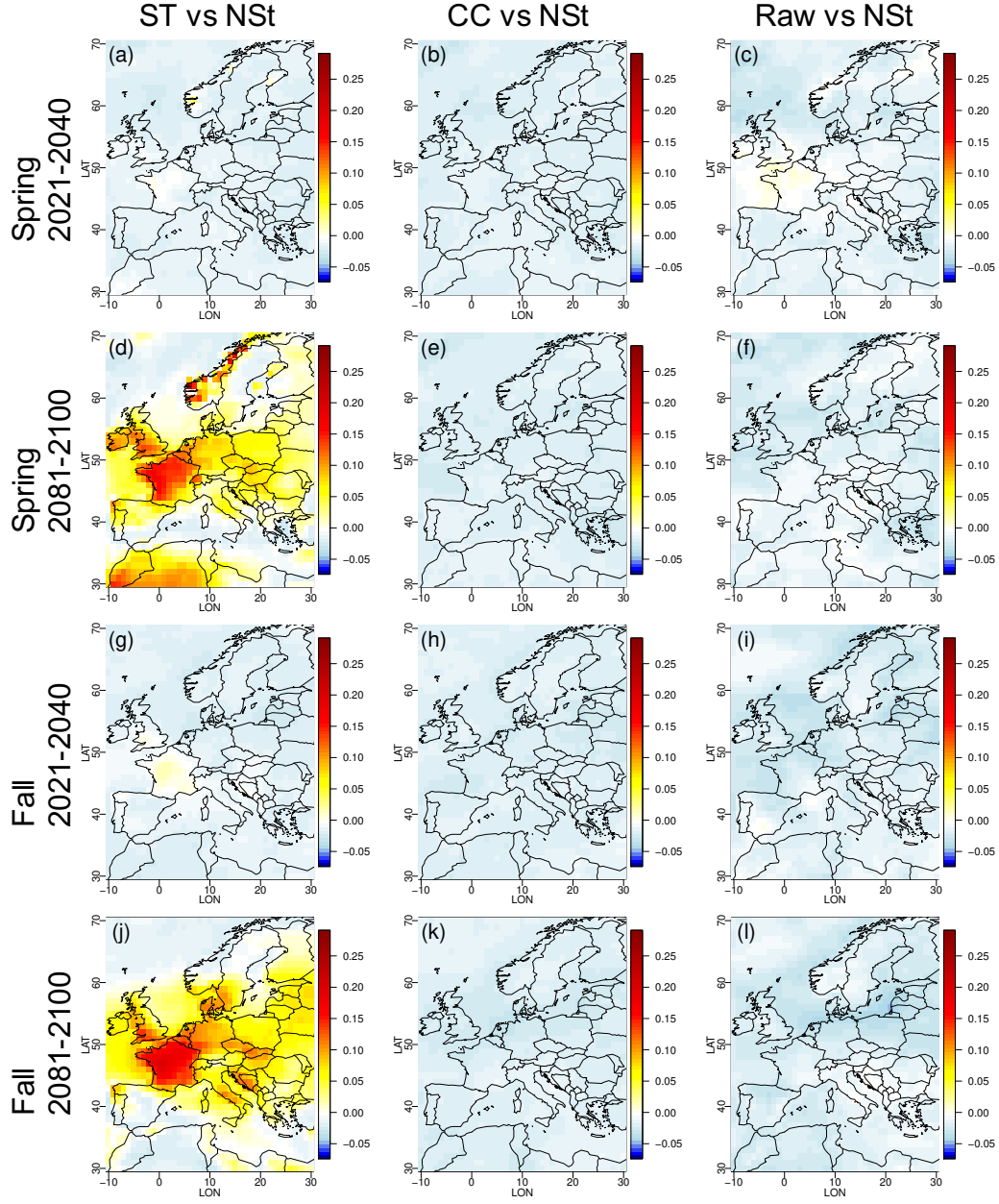


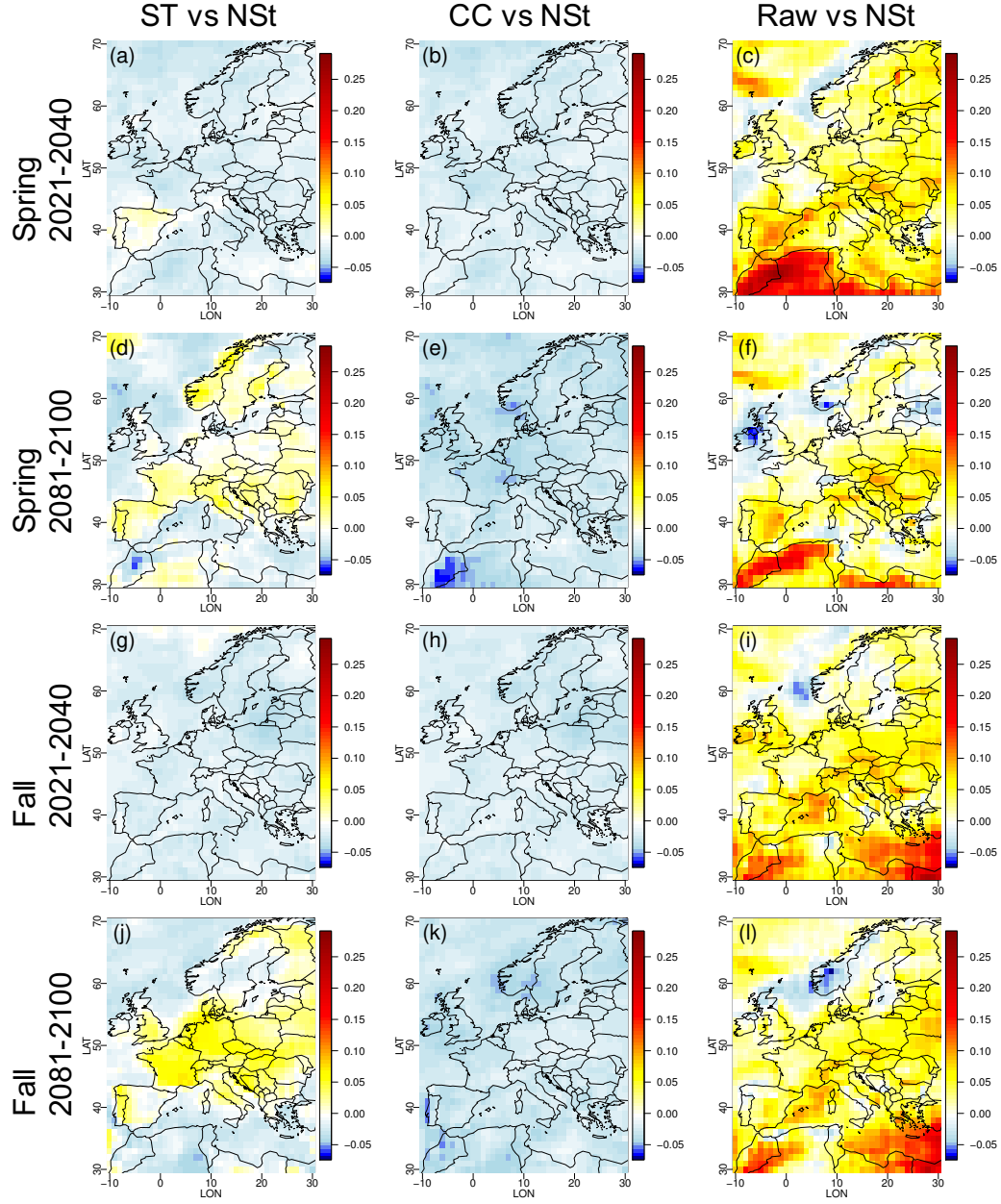
**Supporting Information for "Should multivariate bias  
corrections of climate simulations account for changes  
of rank correlation over time?"**

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**Figure SI.1.** Same as Figure 3 but for spring and fall: CESM Maps of the differences of  $LB$  values ( $DLB(H) = LB_H - LB_{NSt}$ , see text for details) computed for each grid cell, where hypothesis  $H$  is either “St” (first column), or “CC” (second column), or “Raw” (third column), in spring (first and second lines) or fall (third and fourth lines), over the 2021-2040 period (first and third lines) or the 2081-2100 period (second and fourth lines).



**Figure SI.2.** Same as Figure SI.1 but for CMIP6.