

## Report on verification of summer outlook for Romania in 2011

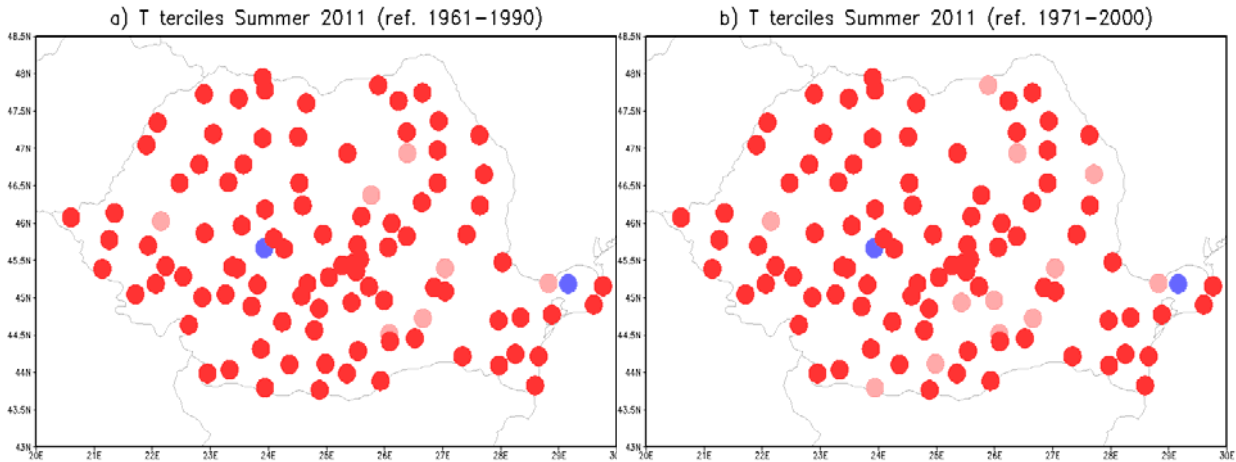


Figure 1. Observed temperature terciles of summer 2011 with the reference interval 1961-1990 (a) and 1971-2000 (b) at 103 meteorological stations covering Romanian territory. Above normal values are represented with red, normal values are illustrated with pink and below normal ones with blue.

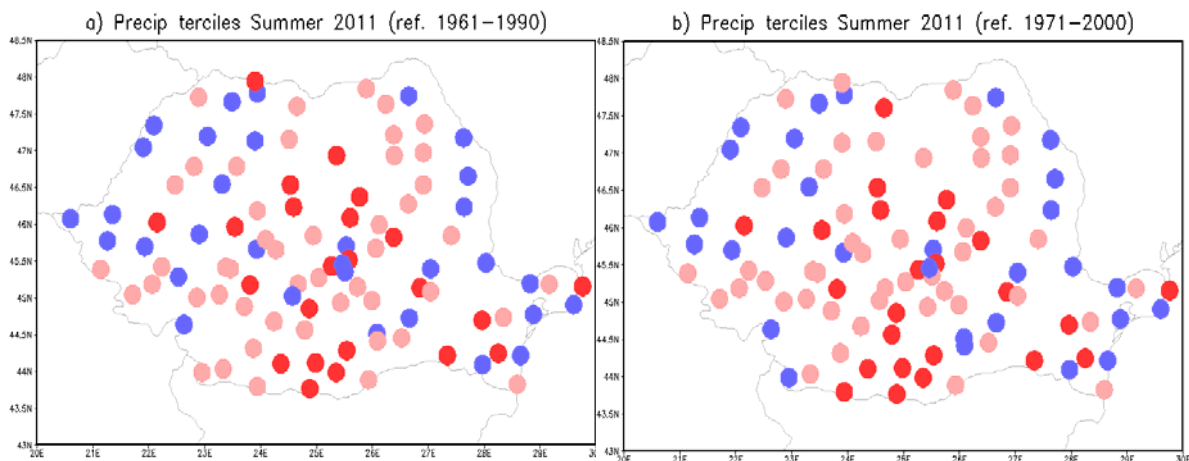


Figure 2. Observed precipitation terciles of summer 2011 with the reference interval 1961-1990 (a) and 1971-2000 (b) at 103 meteorological stations covering Romanian territory. Above normal values are represented with red, normal values are illustrated with pink and below normal ones with blue.

In the summer of 2011, most of Romania has experienced above normal temperature, when we took as reference the interval 1961-1990 (figure 1a). The area with above normal temperatures has diminished when we selected the reference interval 1971-2000. In this case, normal temperatures become more frequent, especially in Southern and Eastern part of the country (figure 1b). As for the precipitation, the picture is less coherent: above normal precipitation in Southern and central part of the Romania, below normal precipitation over Western and Eastern regions and normal ones elsewhere (figure 2). There are some differences between the spatial pattern of precipitation terciles computed using the two

reference intervals (1961-1990 and 1971-2000) but they are relatively small. The explanation of this behavior is due to the fact that in summer upward trends in temperatures are more robust than trends in precipitation over Romanian regions.

The SEECOF-5 outlook for summer 2011 in Romania has performed quite well for temperature. The mixed picture in precipitation anomalies in summer 2011 over Romania is consistent with the lack of a clear signal stated by the SEECOF-5 outlook.