



CLIMATE OUTLOOK FOR THE 2024 SUMMER SEASON FOR SERBIA AND THE SEECOF REGION

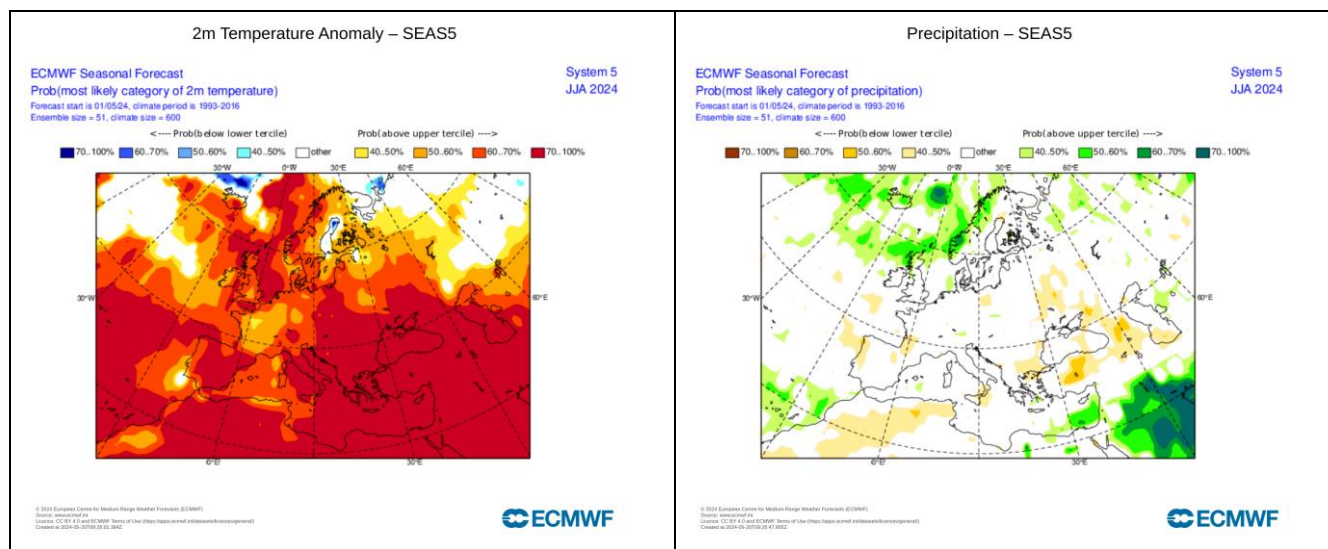
May 21st, 2024

INTRODUCTION

NHMS of Serbia regularly prepares climate outlook for our country based both the ECMWF seasonal forecast model outputs, **and the SEEVCCC regional climate model outputs**. This paper provides an extended climate outlook for summer season for the entire SEECOF region not only Serbia.

CLIMATE OUTLOOK FOR THE 2024 SUMMER SEASON BASED ON ECMWF SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION (Hindcast period 1993-2016)

Above-normal summer temperature is expected in the entire Serbia while below-normal summer precipitations sums are anticipated in the southern and eastern Serbia. Consequently, summer in Serbia is forecast to be warmer and normal to drier than average.



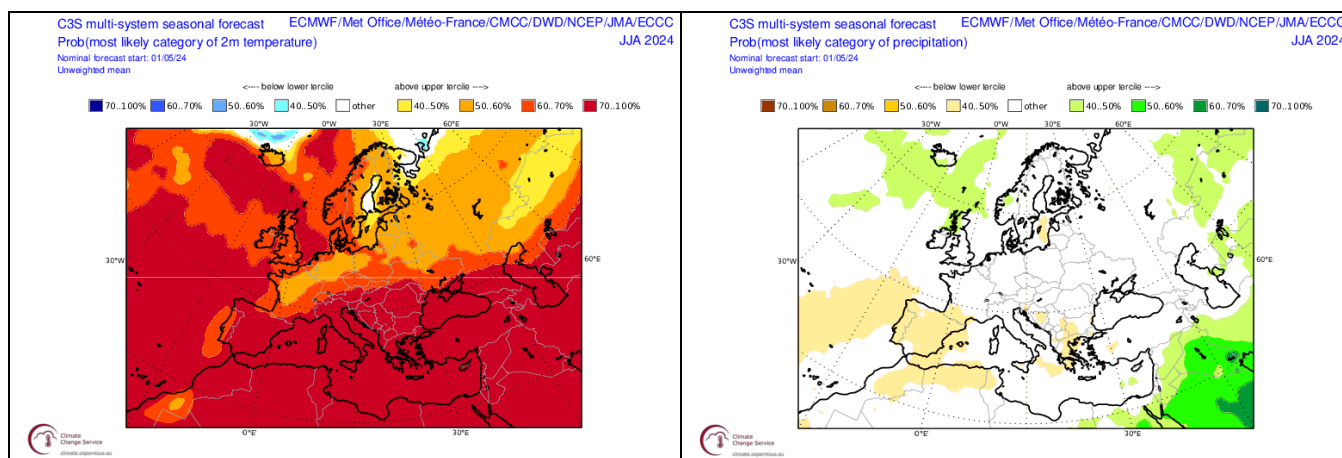
In the entire SEECOF region, summer temperature is likely to be above-normal with probability increasing from northwestern Ukraine toward the rest of the region.

In southeastern part of the Balkan Peninsula, central and northeastern parts of Turkey and South Caucasus, summer precipitation totals are likely to be below-normal. Precipitation sums in Southeastern Mediterranean are likely to be above-normal. In the remainder of the SEECOF region, there is equal probability for below, near-normal or above-normal conditions.



CLIMATE OUTLOOK FOR THE 2024 SUMMER SEASON BASED ON COPERNICUS SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION (Hindcast period 1993-2016)

Summer temperature in Serbia is likely to be above-normal in the entire Serbia while summer precipitations sums are expected to be below-normal in the southeastern Serbia. Consequently, summer in Serbia is expected to be warmer and normal to drier than the average.



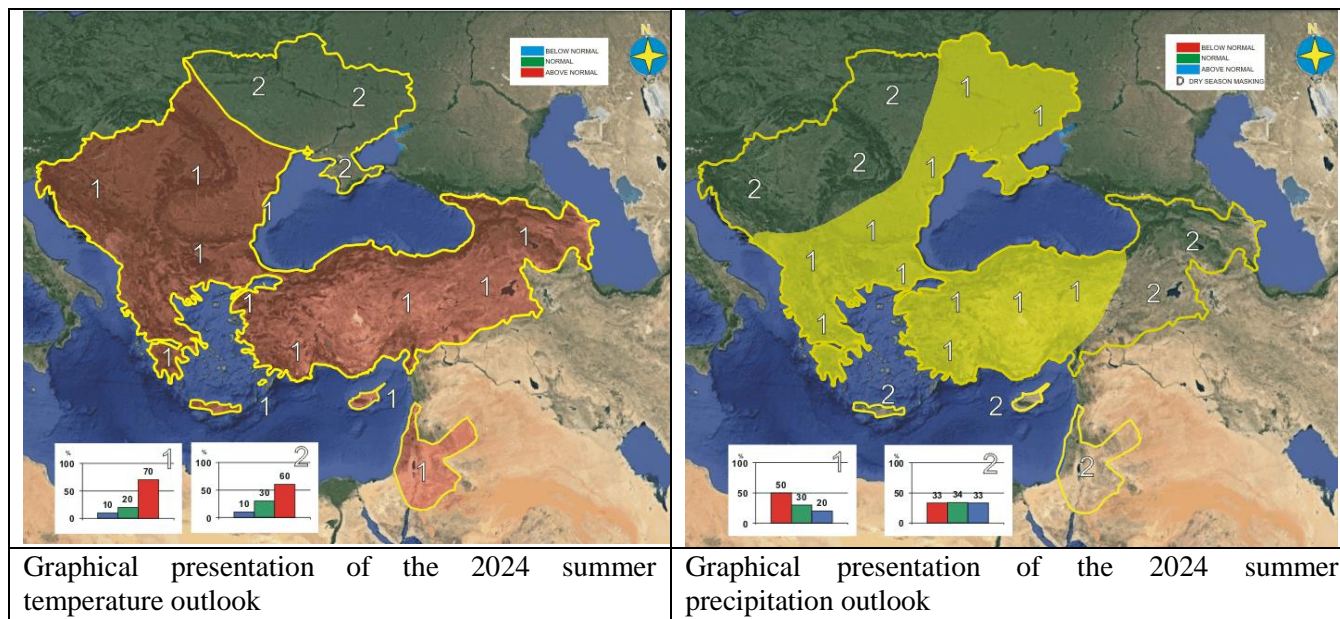
In the entire SEECOF region, summer temperature is likely to be above-normal increasing from northeastern Ukraine toward the rest of the region.

In the western and southern Balkans, part of western Turkey, summer precipitation totals are likely to be below-normal. In remainder of the SEECOF region, there is equal probability for below, near-normal or above-normal conditions.



SUGGESTED NHMS SERBIA - CLIMATE OUTLOOK FOR THE 2024 SUMMER SEASON FOR SERBIA AND THE SEE REGION

Summer temperature in Serbia is likely to be above-normal with below-normal to normal precipitation sums. Consequently, climate conditions are expected to be warmer in the entire Serbia and drier than the average in most parts, except north of Serbia.



In the entire SEECOF region, summer temperature is likely to be above-normal, with the probability increasing from the north (Zone 2 in Figure 1) towards the rest of the region (Zone 1 in Figure 1).

Uncertainties in regional predictions are higher for precipitation than for temperature. In the southern, eastern and parts of central Balkans and western, central and northern Turkey are likely to experience below-normal conditions in terms of summer precipitation sums (Zone 1 in Figure 2) while in rest of the SEECOF region there is equal probability for summer precipitation (Zone 2 in Figure 2). It is noteworthy that certain parts of the country, particularly mountainous regions, might observe near- or above-normal summer precipitation totals due to the episodes of enhanced convection accompanied by heavy precipitation.