



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

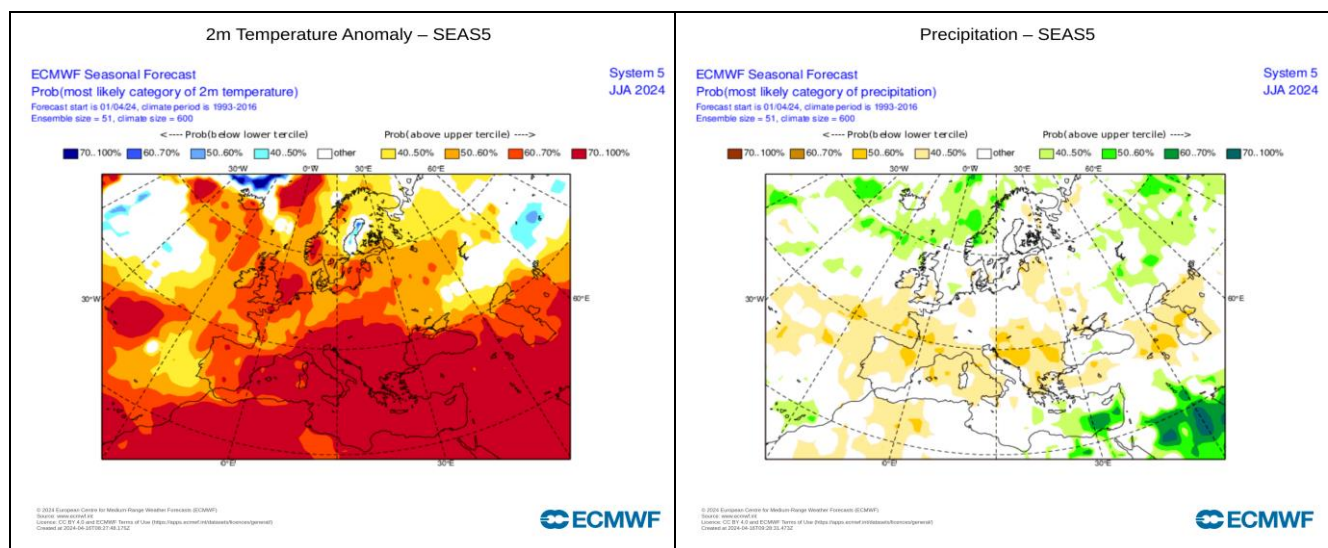
April 18<sup>th</sup>, 2024

### 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 and below-normal summer precipitations sums are anticipated in entire Serbia. Consequently, summer in Serbia is forecast to be warmer and drier than average.



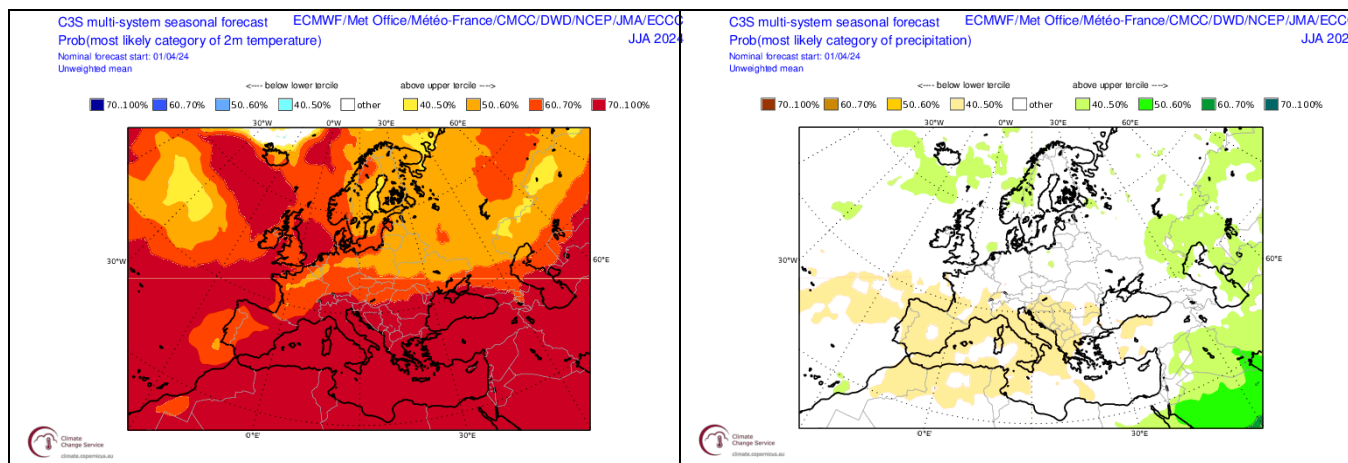
In the entire SEECOF region, summer temperature is likely to be above-normal with probability increasing from Ukraine toward the rest of the region.

In the Pannonia Plain and most of Balkan Peninsula, northwestern and northeastern parts of Turkey and South Caucasus, summer precipitation totals are likely to be below-normal. Precipitation sums in Eastern 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 while summer precipitations sums are expected to be below-normal. Consequently, summer in Serbia is expected to be warmer and drier than the average.



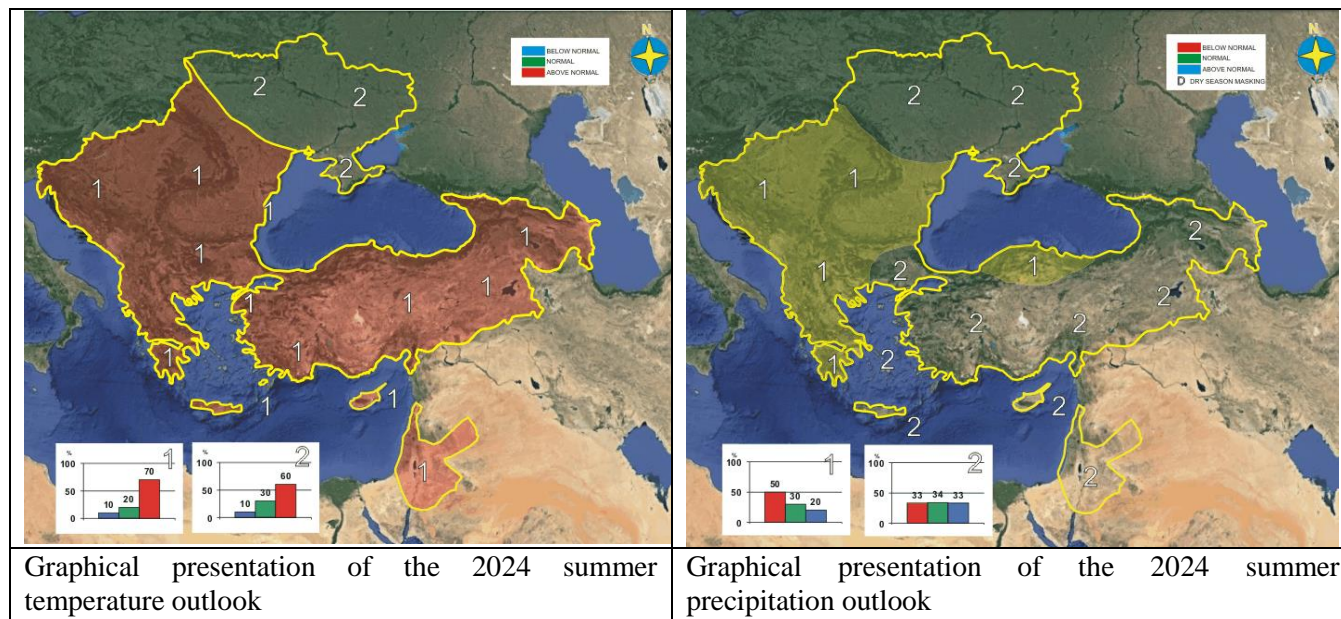
In the entire SEECOF region, summer temperature is likely to be above-normal increasing from Ukraine toward the rest of the region.

In the western and southern Balkans, part of northern 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 precipitation sums. Consequently, climate conditions are expected to be warmer and drier than the average across the entire country.



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. Most of the Balkans and part of 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.