



## CLIMATE OUTLOOK FOR THE 2024/2025 WINTER SEASON FOR SERBIA AND THE SEECOF REGION

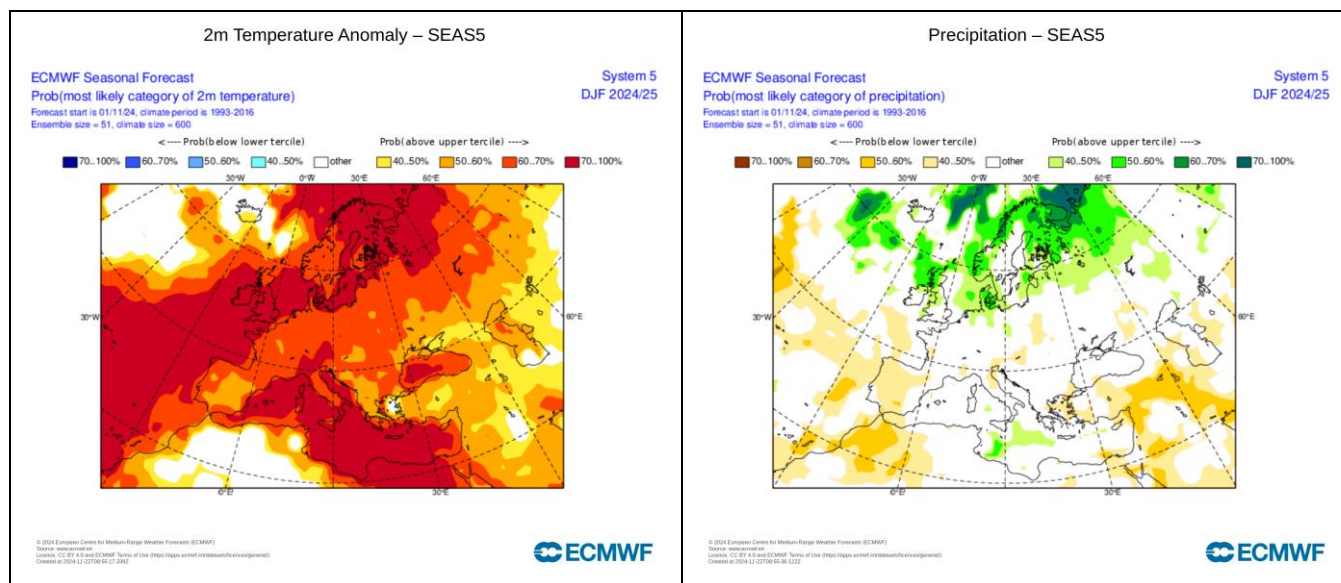
November 21<sup>st</sup>, 2024

### 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 winter season for the entire SEECOF region not only Serbia.

### CLIMATE OUTLOOK FOR THE 2024/25 WINTER SEASON BASED ON ECMWF SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION (Hindcast period 1993-2016)

Entire Serbia is likely to experience above-normal winter temperature. For most of the country, there is no predictive signal for winter precipitation. Consequently, entire Serbia is forecast to have milder and average wet winter relative to the 1993-2016 base period.



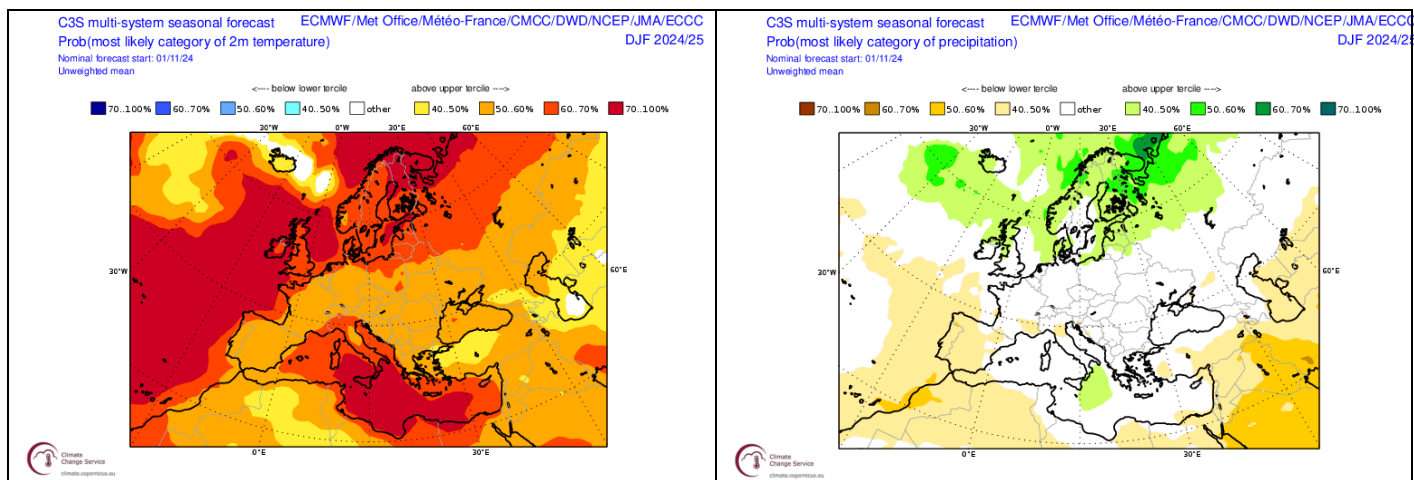
In almost the entire SEECOF region, winter temperatures are likely to be above-normal, with the probability increasing from the western parts of the Balkans toward eastern parts and Mediterranean Sea.

Along the Aegean and eastern Mediterranean coasts, as well as in central and southern Turkey and Middle East, winter precipitation totals are likely to be below-normal. In the remainder of the SEECOF region, there is an equal probability of below-normal, near-normal or above-normal conditions.



## CLIMATE OUTLOOK FOR THE 2024/25 WINTER SEASON BASED ON COPERNICUS SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION (Hindcast period 1993-2016)

Winter temperature in Serbia is likely to be above-normal. For Serbia, there is no predictive signal for winter precipitation. Consequently, Serbia is forecast to experience a warmer than average winter with average precipitation sums.



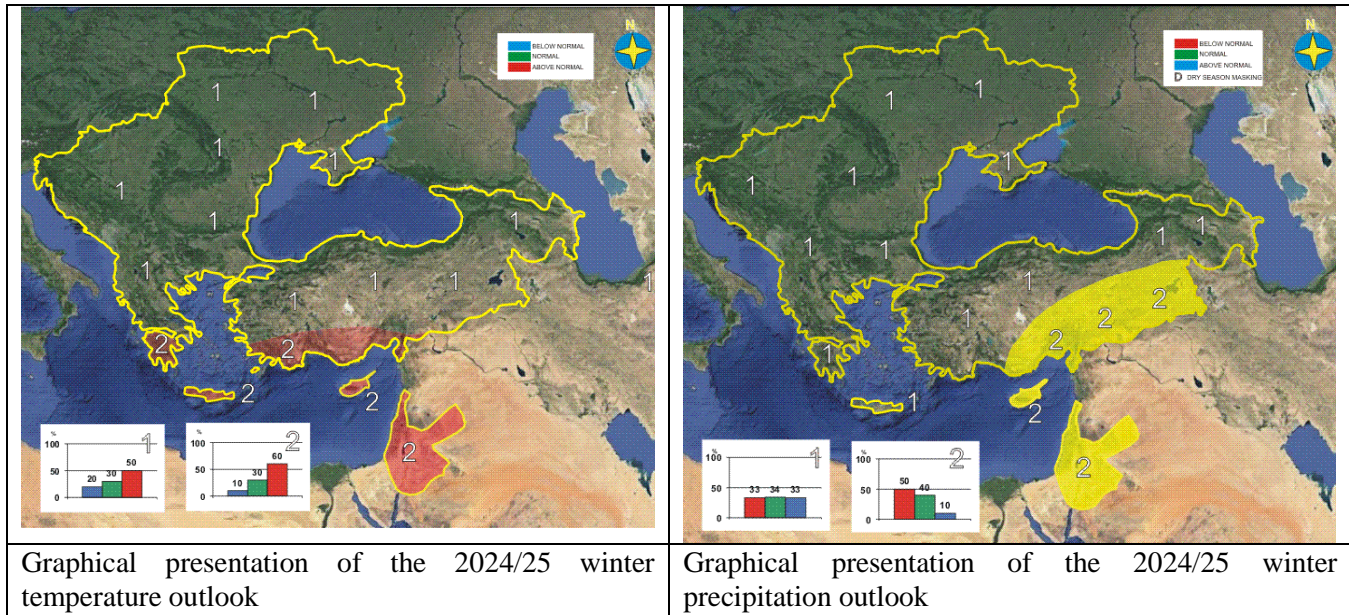
In the entire SEECOF region, winter temperatures are likely to be above-normal, with the probability increasing from the northern parts of the SEECOF region to Mediterranean Sea.

In southern Turkey and some parts of the Middle East, winter precipitation totals are likely to be below-normal, while in the rest of the SEECOF region, there is an equal probability of below-normal, near-normal or above-normal conditions.



## **SUGGESTED NHMS SERBIA - CLIMATE OUTLOOK FOR THE 2024/25 WINTER SEASON FOR SERBIA AND THE SEE REGION**

Winter temperatures in Serbia are likely to be above-normal, with equal probabilities for below-, near- or above-normal winter precipitation sums. Consequently, climate conditions warmer than average are anticipated in the entire country.



In the entire SEECOF region, winter temperatures are likely to be above-normal, with the probability increasing from the north (Zone 1 in Figure 1) towards the south of the region (Zone 2 in Figure 1).

Uncertainties in regional predictions are higher for precipitation than for temperature. Southern and eastern Turkey, Cyprus and Middle East are likely to experience below-normal conditions in terms of winter precipitation sums (Zone 2 in Figure 2). However, in most of the SEECOF region, there is an equal probability for winter precipitation (Zone 1 in Figure 2). It is noteworthy that certain parts of the country, particularly mountainous regions, might observe near- or above-normal winter precipitation totals due to the episodes of enhanced convection accompanied by heavy precipitation.