



## CLIMATE OUTLOOK FOR THE 2022 SUMMER SEASON FOR SERBIA AND THE SEECOF REGION

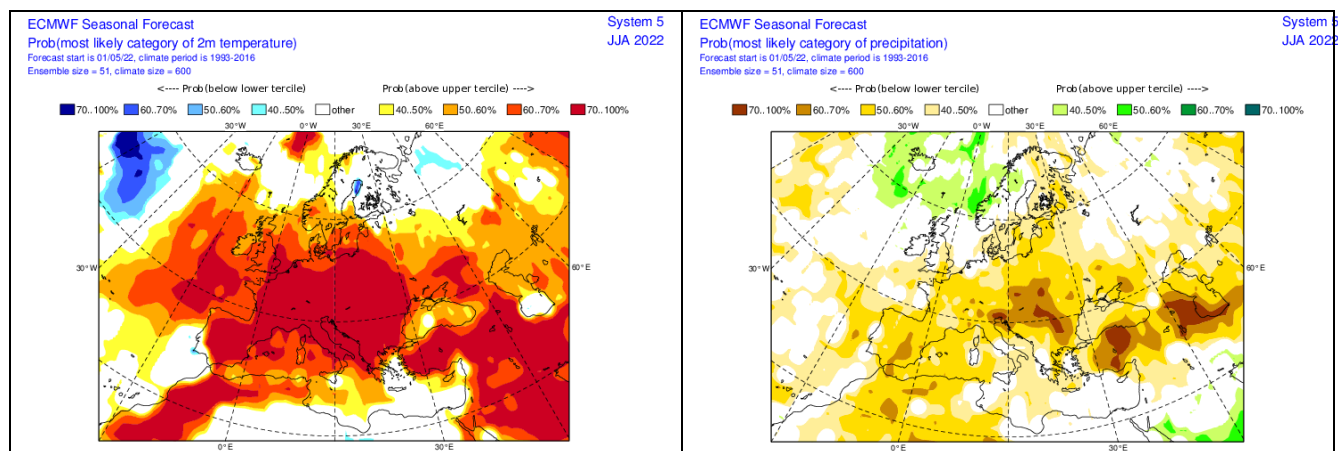
May 19<sup>th</sup>, 2022

### 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 2022 SUMMER 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 summer temperature with below-normal summer precipitations sums. Consequently, the whole Serbia will observe a warmer and drier summer compared to the average.



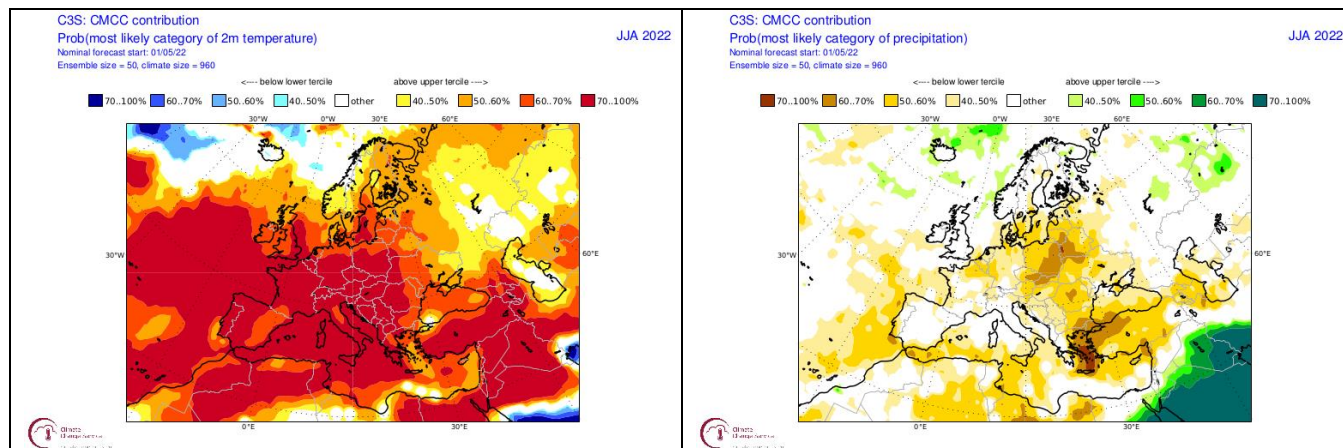
In almost the entire SEECOF region, summer temperature is likely to be above-normal, with the probability decreasing from the Balkan Peninsula, Adriatic Sea, continental parts of Turkey and South Caucasus region toward Aegean, Black Sea with belonging coasts, while in the Eastern Mediterranean Sea with belonging coasts near-normal conditions are expected.

In most of the SEECOF region, summer precipitation totals are likely to be below-normal with probability decreasing from the Western Balkans, Pannonia Plain, South Caucasus region and continental parts of Turkey toward remainder of the SEECOF region, while in Israel, Syria and Lebanon there is no predictive signal.



## CLIMATE OUTLOOK FOR THE 2022 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, with below-normal summer precipitation. Consequently, whole Serbia will observe warmer and drier summer compared to the average.

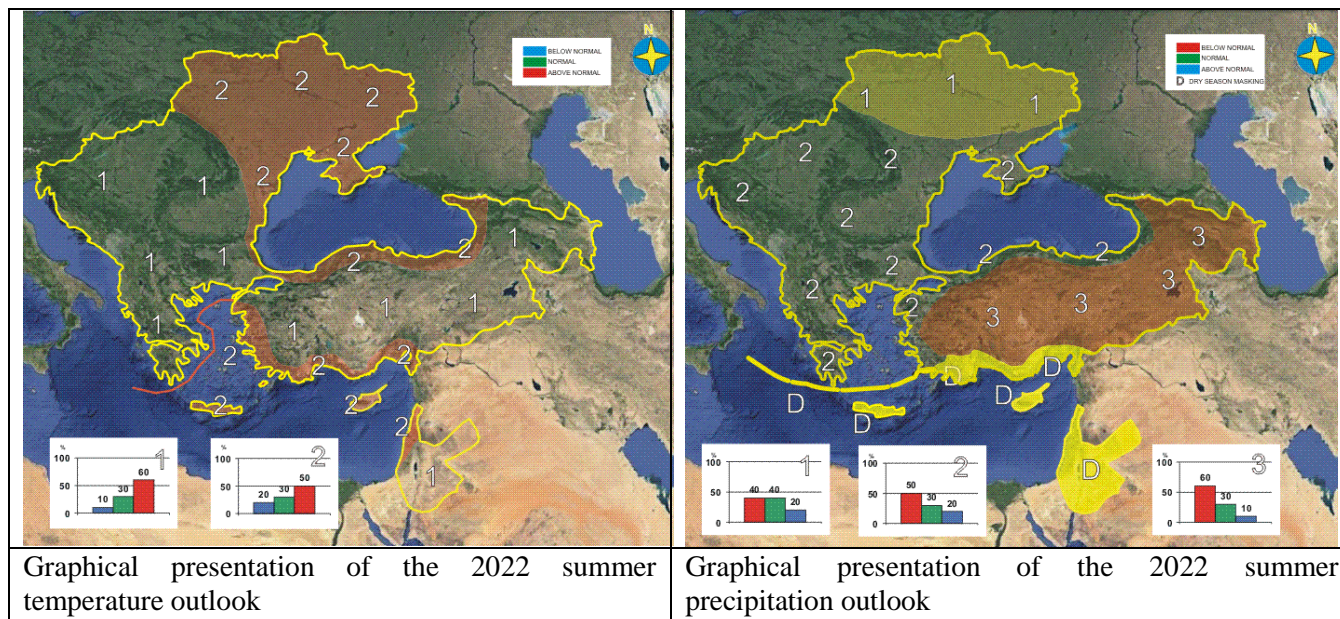


In the entire SEECOF region, summer temperature is likely to be above-normal, with the probability increasing from the continental parts of Ukraine and eastern Mediterranean toward the remainder of the region. In most of the SEECOF region, summer precipitation is likely to be below-normal with probability decreasing from the Eastern Balkans, Aegean Sea with belonging coasts and northwestern coasts of Turkey toward other parts of the SEECOF region.



## SUGGESTED NHMS SERBIA - CLIMATE OUTLOOK FOR THE 2022 SUMMER SEASON FOR SERBIA AND THE SEE REGION

Summer temperature in Serbia is likely to be above-normal, with below-normal summer precipitation sums. Consequently, whole Serbia will experience warmer and drier conditions compared to the average.



In the entire SEECOF region, summer temperature is likely to be above-normal, with the probability increasing from the northern and north-eastern region, as well as from Aegean, Black and Eastern Mediterranean Sea (Zone 2 in Figure 1) to the remainder of the region (Zone 1 in Figure 1).

Uncertainties in regional predictions are higher for precipitation than for temperature. Most of the Ukraine is likely to experience below- or near-normal conditions in terms of summer precipitation sums. Most of the SEECOF region will receive below-normal precipitation sums with the probabilities increasing from the north-west (Zone 1 in Figure 2) towards east of the region (Zone 3 in Figure 2). It is noteworthy that certain parts of the country, particularly mountainous regions, might receive near- or above-normal summer precipitation totals due to the episodes of enhanced convection accompanied by heavy precipitation. Due to dry season masking, it is not possible to forecast summer precipitation totals along the eastern coasts of the Eastern Mediterranean, Crete, Israel and Jordan.

It should be noted that certain parts of the country, particularly mountain regions might receive near- or above-normal summer precipitation totals due to the episodes of enhanced convection accompanied by heavy precipitation. Due to dry season masking, it is not possible to forecast summer precipitation totals along the eastern coasts of Eastern Mediterranean, Crete, Israel and Jordan.