



CLIMATE OUTLOOK FOR THE WINTER OF 2020/2021 FOR SERBIA AND THE SEECOF REGION

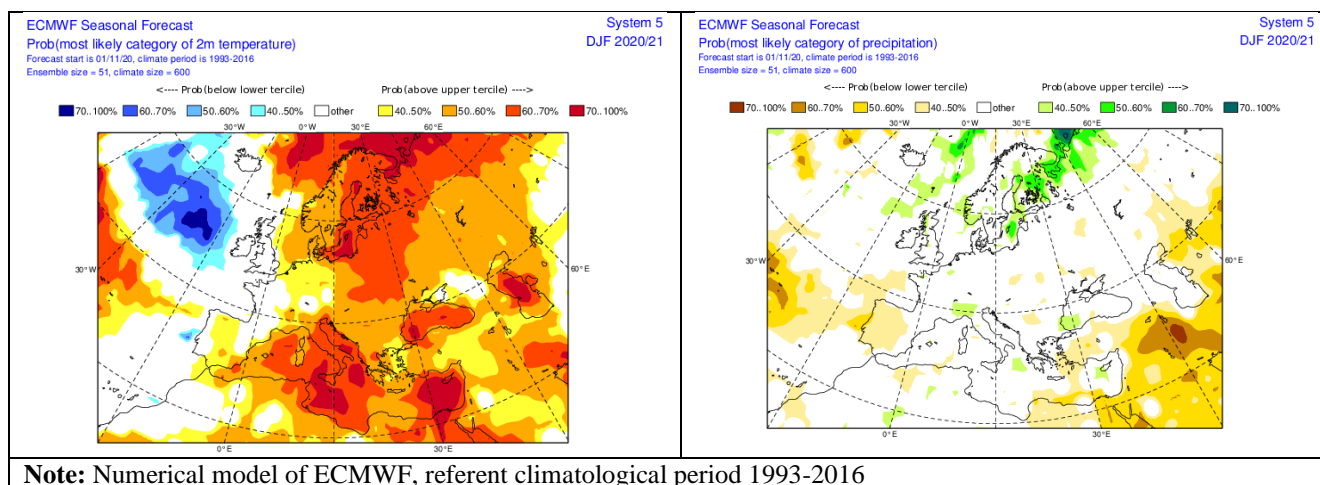
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INTRODUCTION

NHMS of Serbia regularly prepares climate outlooks for our country on the basis of the ECMWF seasonal forecast model outputs **as well as on the basis of the SEEVCCC regional climate model outputs**. In this paper we will extend the scope of our climate outlook and provide a winter outlook for both Serbia and the entire SEECOF region.

CLIMATE OUTLOOK FOR THE WINTER OF 2020-2021 BASED ON THE ECMWF SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION

Winter temperature in Serbia is likely to be above-normal, while there is no signal for winter precipitations sums. Consequently, Serbia will observe milder winter relative to the 1981-2010 base period.



Note: Numerical model of ECMWF, referent climatological period 1993-2016

In whole SEECOF region, winter temperatures are likely to be above normal with probability decreasing from Ukraine and coastal areas toward inland of the SEECOF region.

Also, in most of the SEECOF region, there is no predictive signal for winter precipitation. Winter precipitation sums are likely to be below normal in the Aegean Sea, Israel, Lebanon, Syria, western, central and southern parts of Turkey, as well as in some parts of the south of Ukraine. On the other hand, some parts in Ionian, Black Sea and Eastern Mediterranean may receive above-normal winter precipitation sums.



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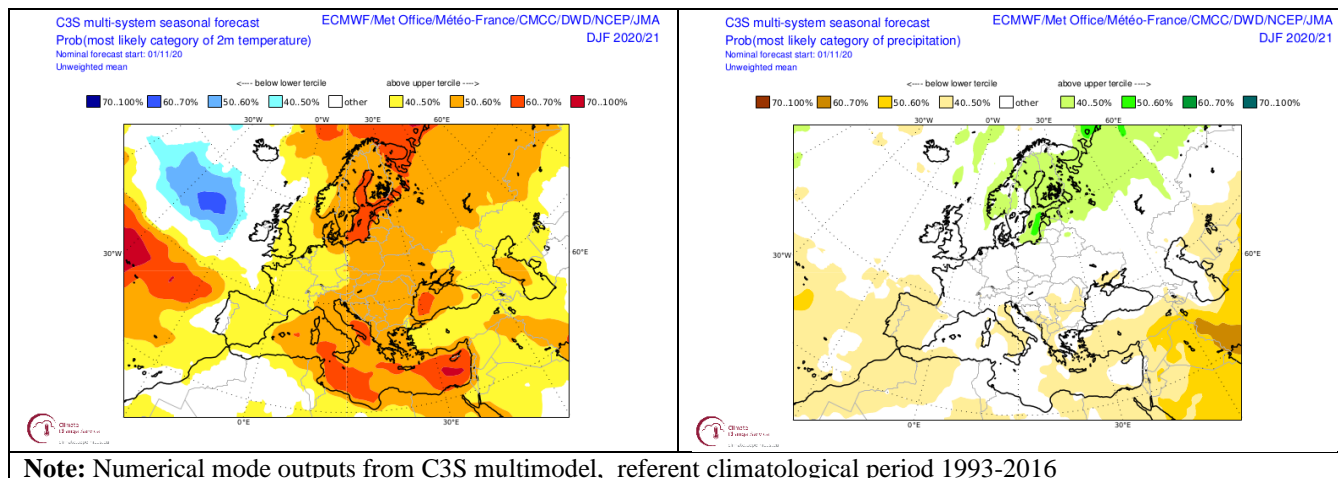
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CLIMATE OUTLOOK FOR THE WINTER OF 2020/2021 BASED ON C3S MULTIMODEL SYSTEM SEASONAL FORECAST OUTPUTS FOR SERBIA AND THE SEE REGION

Serbia is expected to observe above-normal winter temperatures. In the most of the country, there is no signal for winter precipitation, while eastern parts of Serbia are likely to experience below-normal precipitation sums. Consequently, Serbia will have a milder winter relative to the 1993-2016 base period.



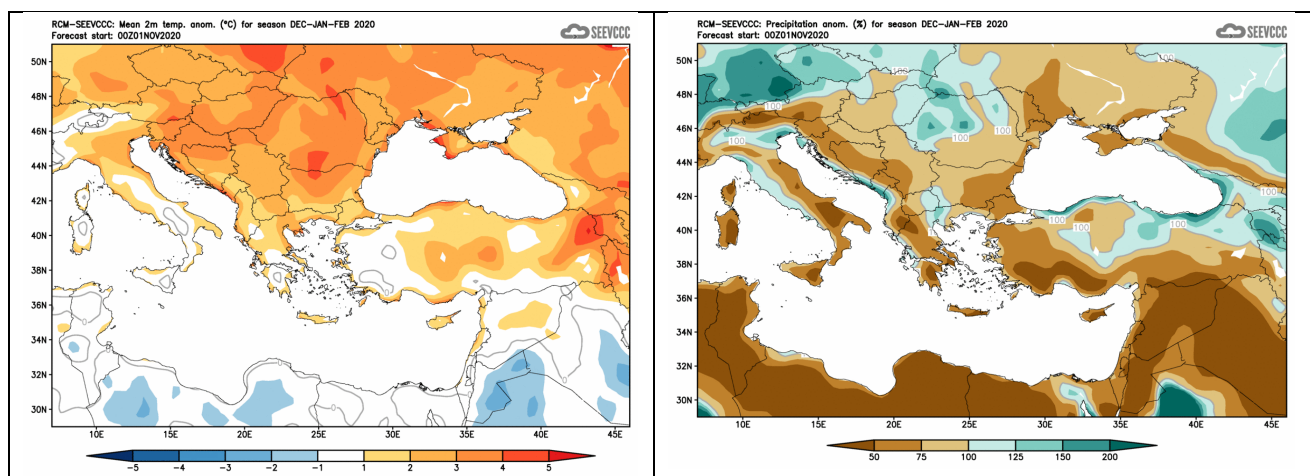
In most of the SEECOF region, winter temperatures are likely to be above normal with probability increasing from east toward west-northwest of the SEECOF region.

In most of the SEECOF region, there is no predictive signal for winter precipitation totals, while Israel, Jordan, Lebanon, central, western and southern parts of Turkey, Central Mediterranean, Southern Balkans and southeastern slopes of Carpathian region will experience below-normal precipitation totals.



CLIMATE OUTLOOK FOR THE WINTER OF 2020-2021 BASED ON RCM-SEEVCCC SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION

During winter 2020/2021, positive temperature anomalies are expected in entire Serbia with near-normal precipitation sums.



In most of the SEECOF region, winter temperature is likely to be above-normal, with the exception of southern parts of the Balkans, western parts of the inland of Turkey, Jordan, continental parts of Israel and Lebanon, where near-normal conditions are predicted.

Winter precipitation sums are likely to be near-normal in most of the region, while in Israel, Lebanon, Jordan, southern part of Balkan Peninsula, Eastern Mediterranean with belonging coasts, southern parts of Turkey may have deficit of precipitations. On the other hand, eastern coasts of Black Sea as well as some parts of Caucasus mountain regions may receive more winter precipitation.



SUGGESTED NHMS SERBIA CLIMATE OUTLOOK FOR THE WINTER OF 2020-2021 FOR SERBIA AND THE SEE REGION

Entire Serbia is predicted to experience above-normal winter temperatures relative to the 1981-2010 base period, while there is no predictive signal for winter precipitation totals.

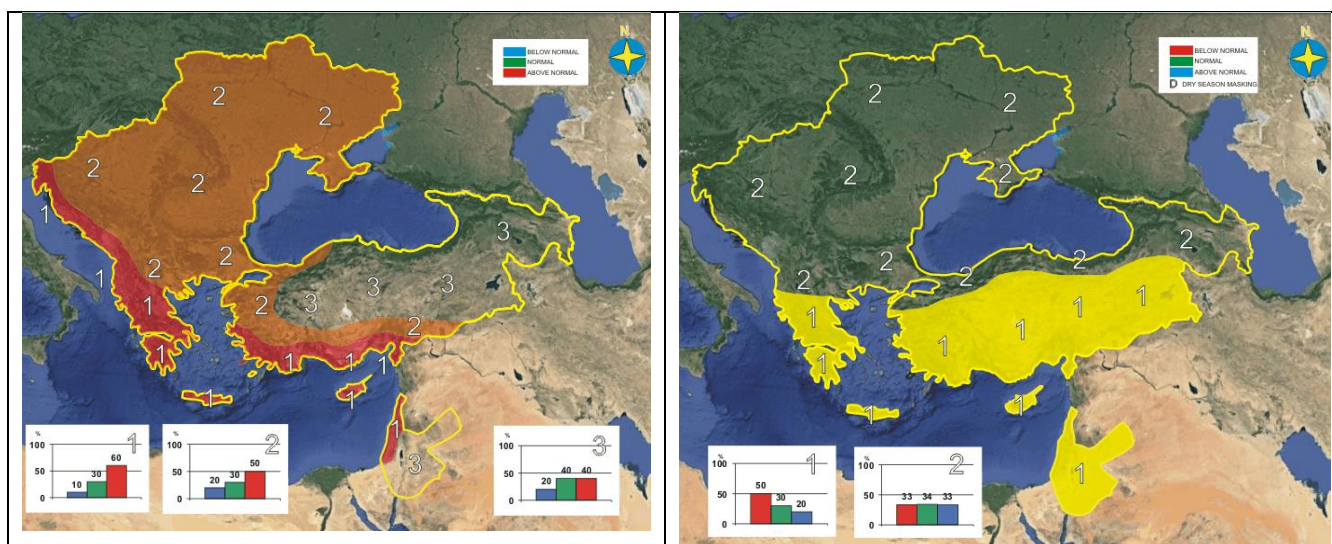


Figure 1. Graphical presentation of the 2020/21 winter temperature outlook

Figure 2. Graphical presentation of the 2020/21 winter precipitation outlook

Winter temperature is likely to be above normal in the whole SEECOF region with probabilities decreasing from western toward eastern parts of the SEECOF region. Hence, winter temperature is likely to be above-normal in most of the SEECOF region (zone 1 and 2 in Figure 1), while it will be near- or above-normal in Caucasian region, Jordan, inlands of the Turkey, Israel and Lebanon, as well as along the eastern and southeastern coasts of the Black Sea (zone 3 in Figure 1).

In Greece, along the coasts of Ionian, Aegean Sea and Eastern Mediterranean with hinterland, Israel, Jordan and Lebanon, as well as in most of the Turkey (zone 1 in Figure 2), winter precipitation totals are likely to be below-normal. In rest of the SEECOF region (zone 2 in Figure 2) the uncertainty is high: with equal probabilities for below, near- or above-average conditions of winter precipitations.