



## CLIMATE OUTLOOK FOR THE WINTER OF 2016/2017 FOR SERBIA AND THE SEECOF REGION

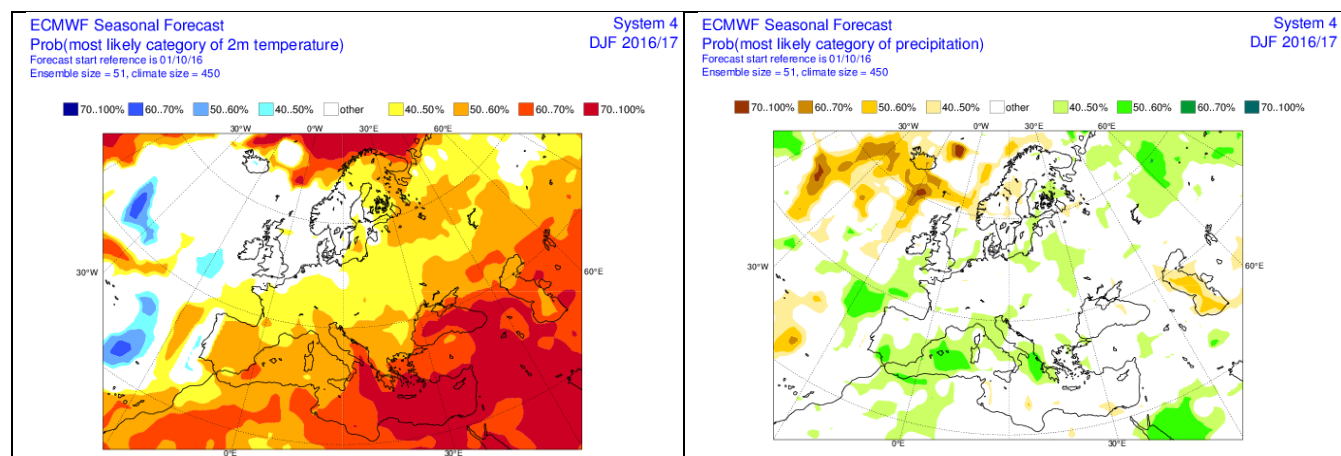
October 21<sup>st</sup> 2016

### 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 2016-2017 BASED ON 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 precipitation sums. In other words, winter in Serbia will be warmer compared to the 1981-2010 base period with equal probabilities for a dry, normal or wet winter.



In the SEECOF region, winter temperature is likely to be above normal, with the probability increasing from the north and north-east toward south-west of the region.

On the other hand, in most of the SEECOF region, there is no predictive signal for winter precipitation. Winter precipitation is likely to be near or above normal in the region of Pannonian Plain, in the continental part of Ukraine, along the coasts of the Adriatic, Ionian and Aegean Sea, as well as on the south of Greece, whereas in South Caucasus region and along the coasts of the Caspian Sea it is likely to be below or near normal.



## REPUBLIC HYDROMETEOROLOGICAL SERVICE OF SERBIA

11030 Belgrade, Kneza Višeslava 66, Republic of Serbia

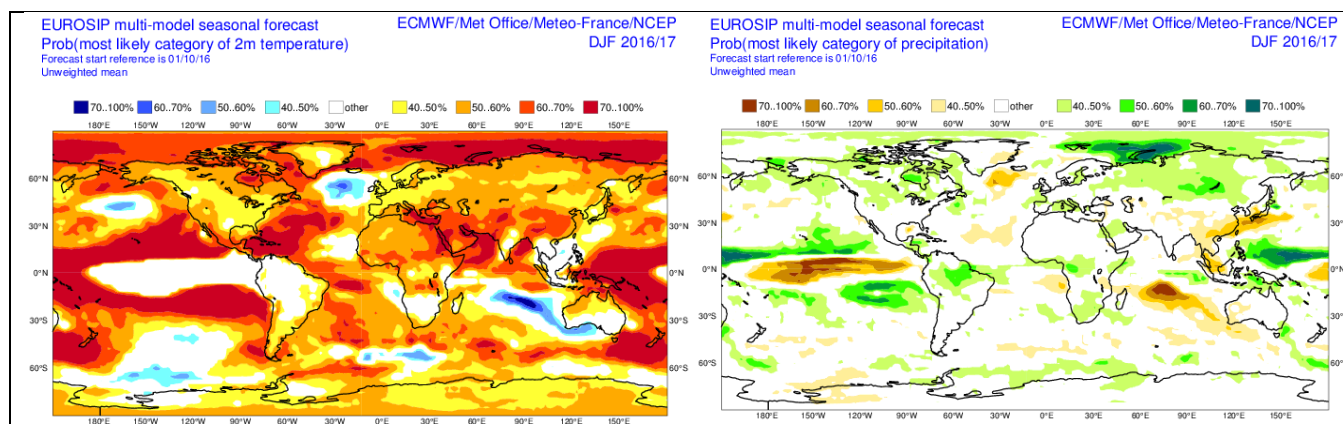
Tel.: +381 11/30 50 923, Fax: +381 11/30 50 847,

E-mail: office@hidmet.gov.rs



### CLIMATE OUTLOOK FOR THE WINTER OF 2016/2017 BASED ON EUROSIP SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION

Serbia is expected to experience above normal winter temperatures, while there is no signal for winter precipitation. In other words, Serbia will have a milder winter compared to the 1981-2010 base period.

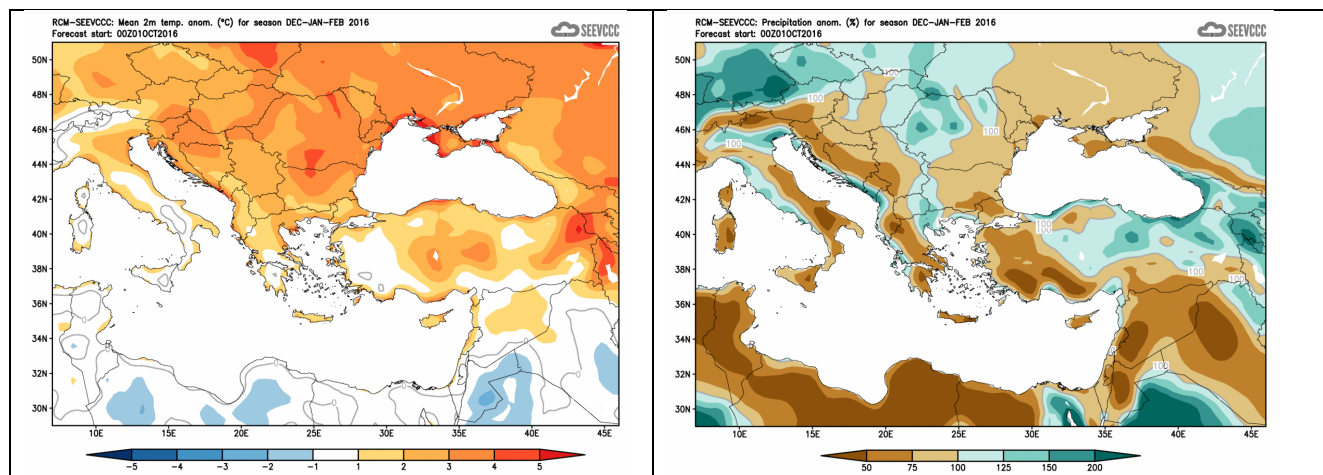


In the SEECOF region winter temperature is likely to be above normal, with the probability increasing from the north and north-east toward south-west of the region.

In most of the SEECOF region, there is no predictive signal for winter precipitation totals while along the coasts of the Adriatic, Ionian and Aegean Sea it is likely to be above normal. On the other hand, the coasts of the Eastern Mediterranean as well as eastern coasts of the Black Sea may experience below normal winter precipitation totals.

### CLIMATE OUTLOOK FOR THE WINTER OF 2016-2017 BASED ON RCM-SEEVCCC SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION

During winter 2016/2017, positive temperature anomalies are expected in the entire Serbia with normal to below normal precipitation sums.





In most of the SEECOF region winter temperature is likely to be above normal, with the exception of south of Greece, western and some parts of southern Turkey where near normal conditions are predicted. Winter precipitation is likely to be below normal to normal in most of the region, while southern and eastern coasts of the Black Sea, and some parts of the South Caucasus and Carpathian region may receive more precipitation.

### SUGGESTED NHMS SERBIA CLIMATE OUTLOOK FOR THE WINTER OF 2016-2017 FOR SERBIA AND THE SEE REGION

A milder winter compared to the 1981-2010 base period is expected in the entire Serbia, while there is no signal for winter precipitation totals.

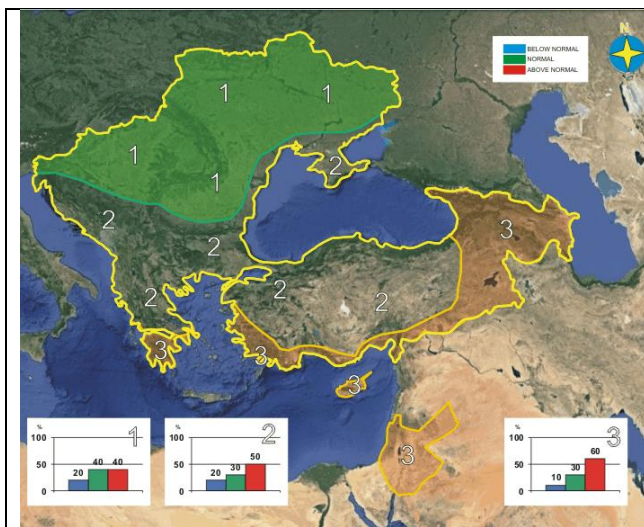


Figure 1. Graphical presentation of the 2016/17 winter temperature outlook

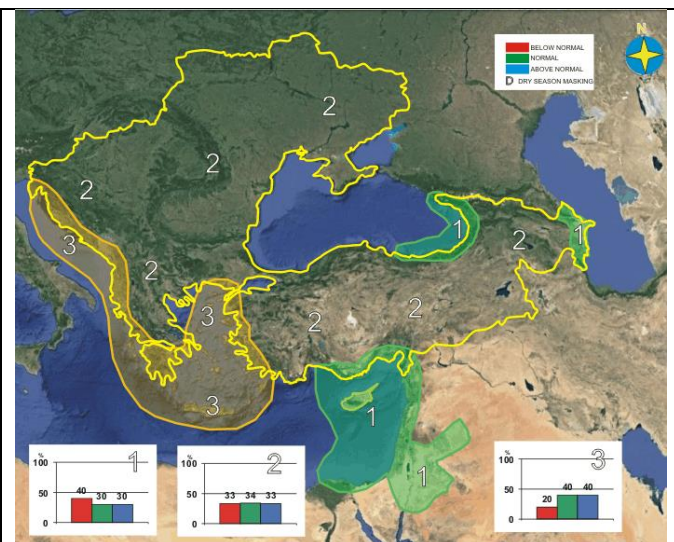


Figure 1. Graphical presentation of the 2016/17 winter precipitation outlook

In the entire SEECOF region winter temperature is likely to be above normal. The probabilities for above-normal conditions are increasing from the north, north-east toward southwest of the SEECOF region.

In Israel, Jordan, eastern Mediterranean with its belonging coasts, along the south-eastern and eastern coasts of Black, and western coasts of the Caspian Sea (zone 1 in Figure 2), winter precipitation totals are likely to be above normal, while, along the coasts of the Adriatic, Ionian, and Aegean Sea (zone 3 in Figure 2), these totals are likely to be below normal. In most of the SEECOF region (zone 2 in Figure 2), the uncertainty is high: probabilities for below-, near- or above-average conditions are approximately equal.