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CLIMATE OUTLOOK FOR 2011-2012 WINTER SEASON FOR SERBIA AND THE SEECOF REGION

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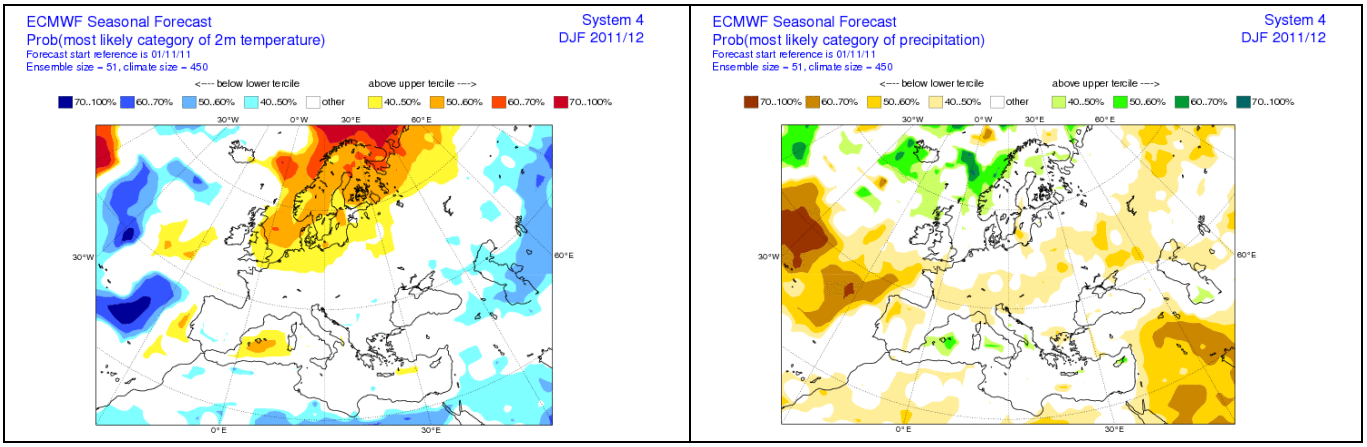
INTRODUCTION

NHMS of Serbia regularly prepares climate outlook for our country on the basis of the ECMWF seasonal forecast model outputs, **but also from the SEEVCCC regional climate model outputs.** On this paper we will extend scope of our climate outlook and give climate outlook for winter season for Serbia, but also for the SEECOF region.

CLIMATE OUTLOOK FOR 2011-2012 WINTER SEASON BASED ON ECMWF SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION

There is no predictive signal in the most of Serbia for winter season temperature. Exception is mountainous region of central Serbia where winter season temperature is more likely to be below normal. Winter season precipitation shows almost the same behavior with no predictive signal, except northernmost parts where it is likely to be below normal. In other words, most of territory of Serbia will have normally cold and normally humid, mountainous region of central Serbia will have somewhat colder and normally humid, while northernmost parts of Serbia will have normally cold and somewhat drier winter.



In the greater part of SEECOF region predictive signal for winter season temperature could not be found. Exception are some parts of highland region of central Balkan and Carpathian region, as well as northeastern part of Turkey and Caucasus where it is likely and in easternmost part of Caucasus even more likely to have winter season temperature below normal. Also, there is no predictive signal for winter season precipitation in the most of the SEECOF region. It is likely that winter season precipitation on the northwest of the Balkan Peninsula, in the Pannonian Plain, in Rhodope Mountains, and southeast of Turkey will be somewhat below normal.

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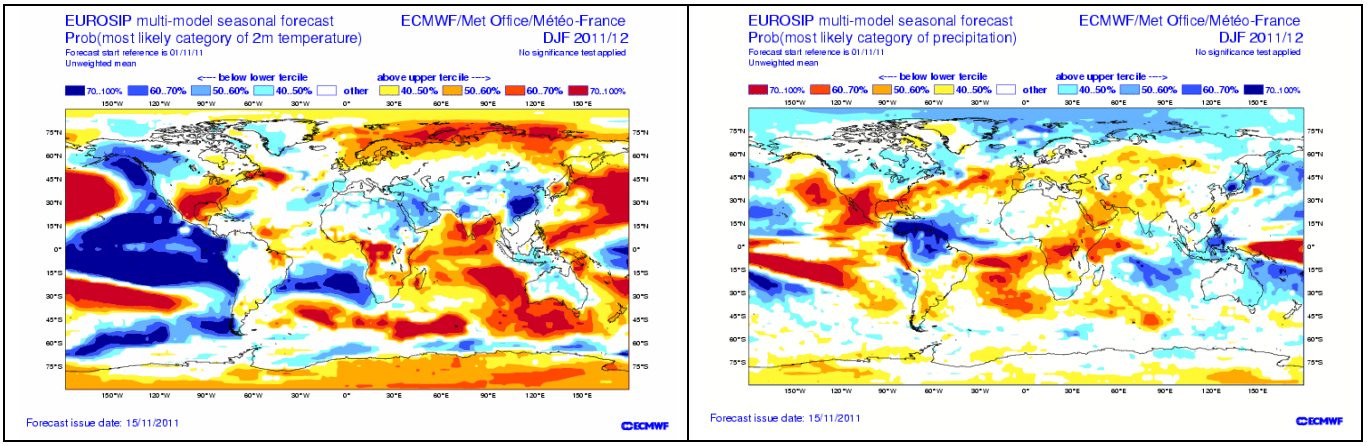
CLIMATE OUTLOOK FOR 2011-2012 WINTER SEASON BASED ON EUROSIP SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION

There is no signal for winter temperature in Serbia, so it is presumed it will be near normal, while for winter season precipitations deficit is expected. In other words, Serbia will have normally cold and slightly dry winter.



Over the Balkan Peninsula there is no predictive signal for winter season temperature, while in other parts of the SEECOF region, eastern Mediterranean, Turkey and Caucasus it is likely to be below normal. In the greater part of the SEECOF region it is likely that winter season precipitation will be below normal, while in some eastern parts of Balkan Peninsula and the south-easternmost part of Turkey it is more likely to be below normal. Exception is eastern part of the Caucasus region with no predictive signal for winter season precipitation.

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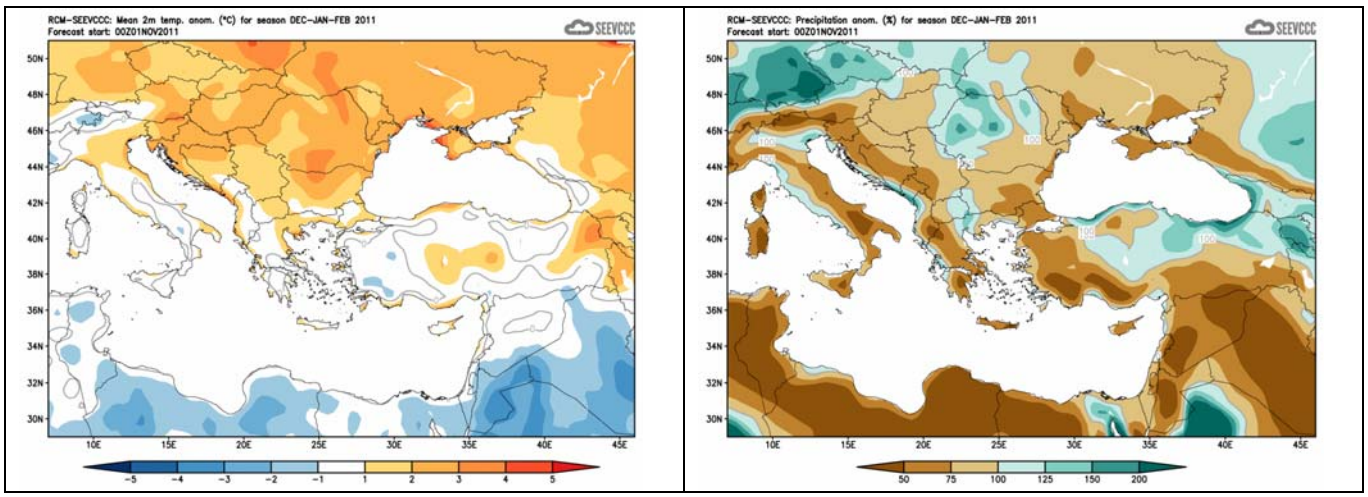
CLIMATE OUTLOOK FOR 2011-2012 WINTER SEASON BASED ON RCM-SEEVCCC SEASONAL FORECAST MODEL OUTPUTS FOR SERBIA AND THE SEE REGION

Positive temperature anomalies are expected in Serbia during winter season. Precipitations quantities will be normal to below normal values.



Northern half of Balkan Peninsula, central and easternmost parts of Turkey and Caucasus region will have above normal temperatures. In all other parts of SEECOF area around normal temperatures are expected. In Carpathian Mountains, Caucasus region, along east coasts of Adriatic Sea, southern and southeastern coasts of Black Sea seasonal precipitation will be above normal. Over the western and southern parts of both Balkan Peninsula and Turkey winter precipitation will be below normal. In all other parts normal amount of precipitation is expected.

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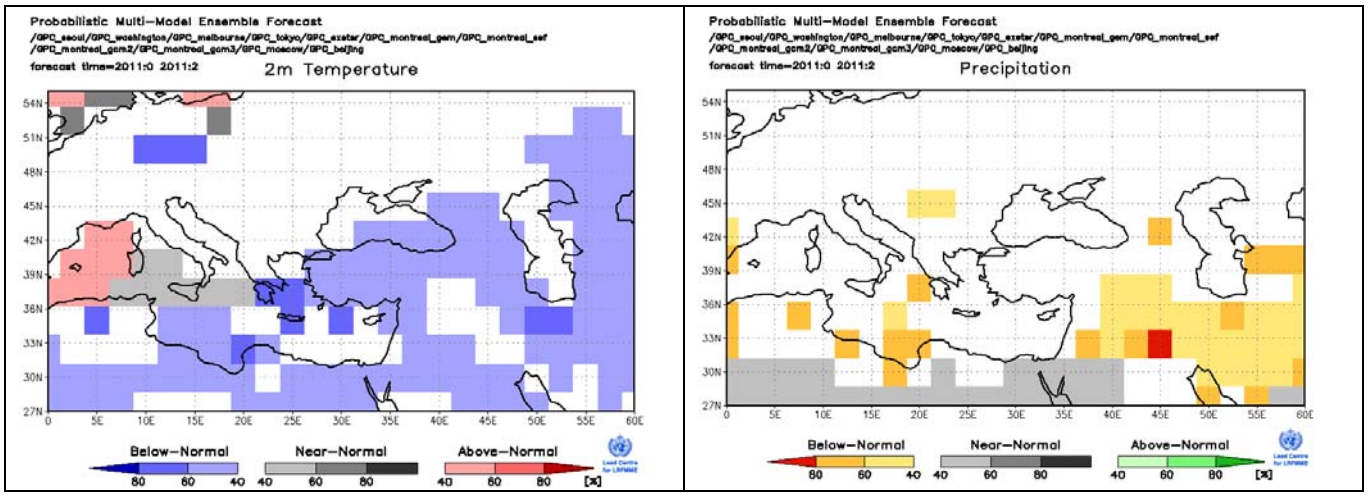

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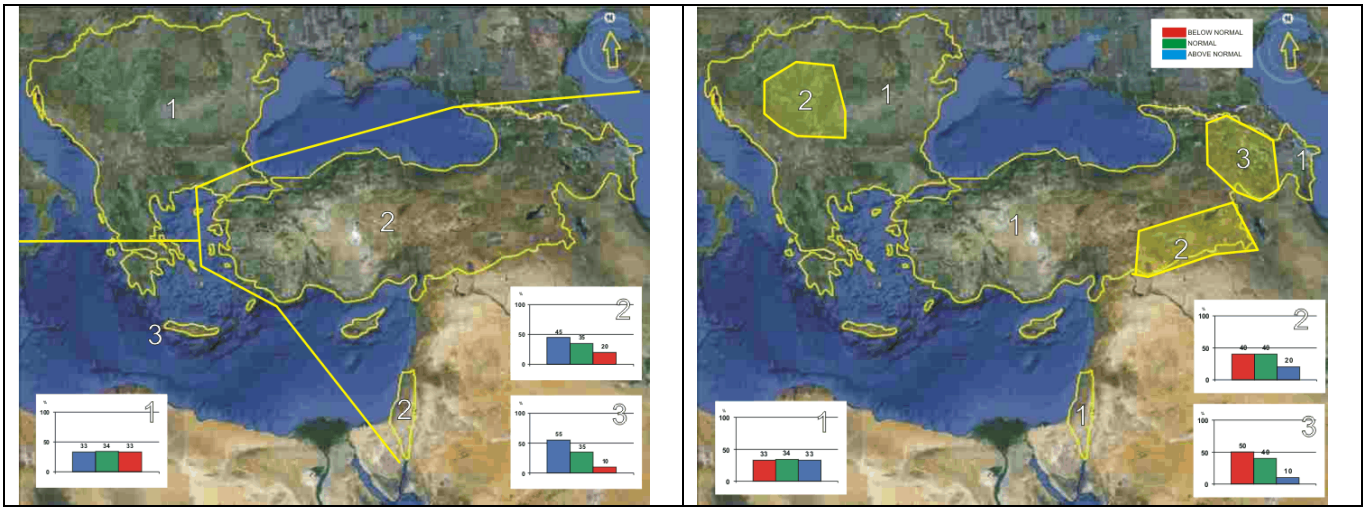
SUGGESTED NHMS SERBIA - CLIMATE OUTLOOK FOR 2011-2012 WINTER SEASON FOR SERBIA AND SEE REGION

For the most part of Serbia normally cold and normally humid is expected. Mountainous region of central Serbia will have somewhat colder and normally humid, while northern parts of Serbia will have normally cold and somewhat drier winter.



There is no predictive signal in most of the Balkan Peninsula. In eastern Mediterranean, Turkey and Caucasus it is likely to be cold winter (mean winter temperatures below to near normal values) while in south Greece and Aegean Sea is more likely to be colder.

It is more likely that winter in the central mountainous region of Caucasus will be dry (below normal, while in the central part of Balkan Peninsula and in the south-east of Turkey it is likely to be dry winter (near normal to below normal values. Otherwise, there is no predictive signal for the winter season precipitation in the rest of the SEECOF region.