



CLIMATE OUTLOOK FOR 2015/2016 WINTER SEASON FOR THE SEE&CAUCASUS REGION

October 21st, 2015

The 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 present the climate outlook for winter season 2015/2016 for the SEE&Caucasus region, based on all available forecasting material including: outputs from 12 GPCs, WMO Leading Centre for LRF, IRI and SEEVCCC.

In the whole SEECOF region there is higher probability for above-average temperature. There is less probability for exceeding the average temperature in the continental part of Turkey, eastern parts of the Balkan Peninsula, as well as southern and central parts of Ukraine (zone 3 in Figure 1). A bit higher probability for above-average conditions is predicted for rest of Ukraine, most of the Balkans, region of South Caucasus and over Carpathians (zone 2 in Figure 1), while the highest probability is in other parts of the SEECOF region (zone 1 in Figure 1).

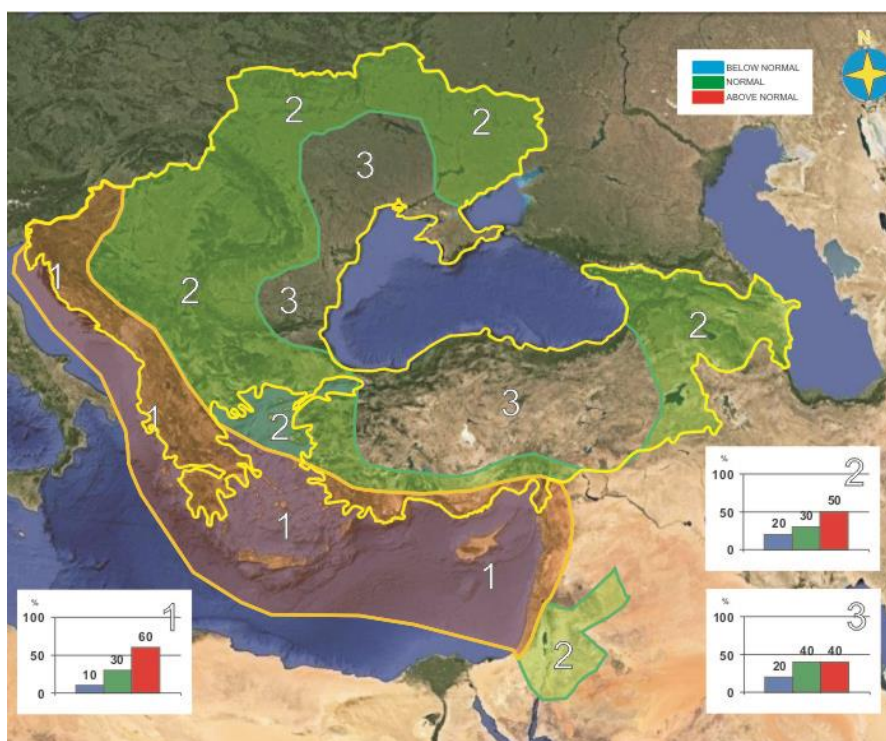


Figure 1. Graphical presentation of the winter 2015-2016 temperature outlook

Uncertainties in regional predictions are higher for precipitation than for temperature. Probabilities for above-normal conditions of winter totals are decreasing from northwestern parts (Pannonia Plain, northwestern Carpathians, as well as northern and eastern parts of Ukraine - zone 1 in Figure 2) to eastern part of SEECOF region (South Caucasus and along the northeastern coasts of Turkey - zone 2 in Figure 2). In the southern part of Balkans, along the coasts of southern part of Adriatic Sea, coasts of Ionian, Aegean Sea, Eastern Mediterranean, as well as in Israel and Jordan (zone 4 in Figure 2) below-normal conditions are predicted. In rest of the SEECOF region (zone 3 in Figure 2) the uncertainty is high: probabilities for below-, near- or above- average conditions are approximately equal.

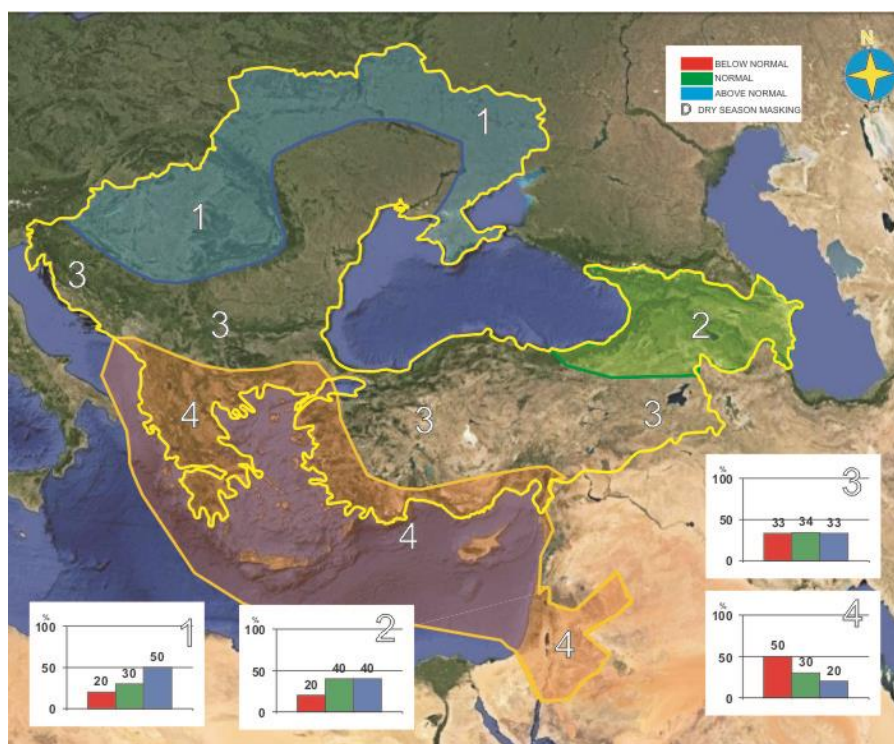


Figure 2. Graphical presentation of the winter 2015-2016 precipitation outlook

Reference:

The maps show the probabilistic consensus forecast for tercile categories of anomalies of seasonal-mean temperature and precipitation, relative to the period 1981-2010.