



## CLIMATE OUTLOOK FOR 2013 SUMMER SEASON FOR THE SEE&CAUCASUS REGION

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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 summer season 2013 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 more likelihood for above-average temperature. There is less probability for exceeding the average temperature in the continental part of Turkey and in the western parts of the Caucasus region (zone 3 in Figure 1). There is higher probability for the Pannonia Plain, most of the Balkan Peninsula (except the plains of eastern Balkans, eastern and southern Greece) (zone 2 in Figure 1), while there is greater probability for these above-average conditions in other parts of the SEECOF region (zone 1 in Figure 1).

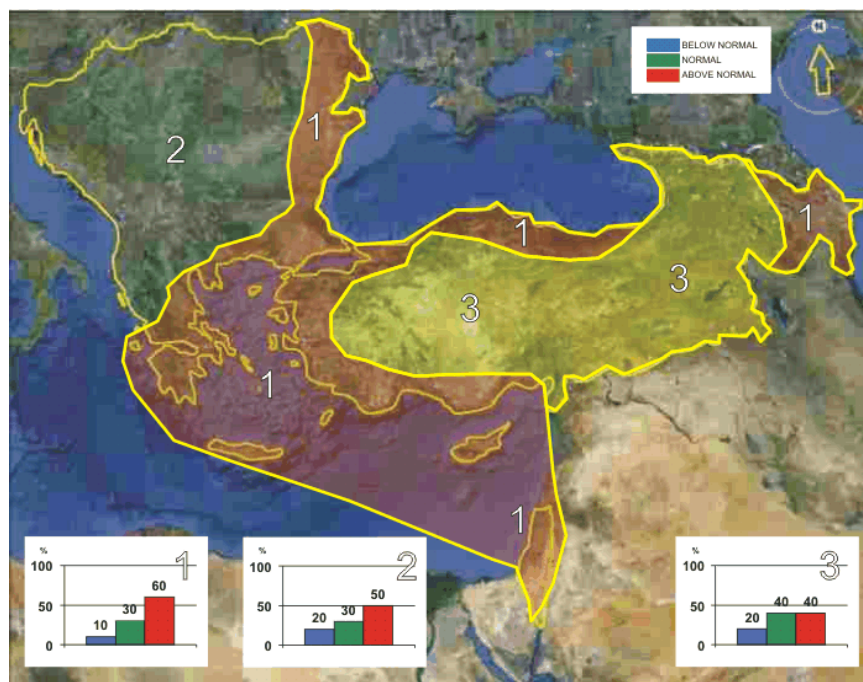


Figure 1. Graphical presentation 2013 summer temperature outlook



Uncertainties in regional predictions are larger for precipitation than for temperature. In the Balkan Peninsula, Pannonia Plain, central and eastern Mediterranean with hinterland, northwestern coasts of Turkey and in the eastern part of the Caucasus region summer season precipitation totals are likely to be near- or below- average (zone 1 in Figure 2). In the rest of the SEECOF region (zone 2 in Figure 2) the uncertainty is large: probabilities for below-, near- or above- average conditions are approximately equal. It must be emphasized that it might be possible that some parts, especially mountainous ones, might locally have near- or above- normal summer season totals, due to episodes of the enhanced convection with high intensity rainfall.

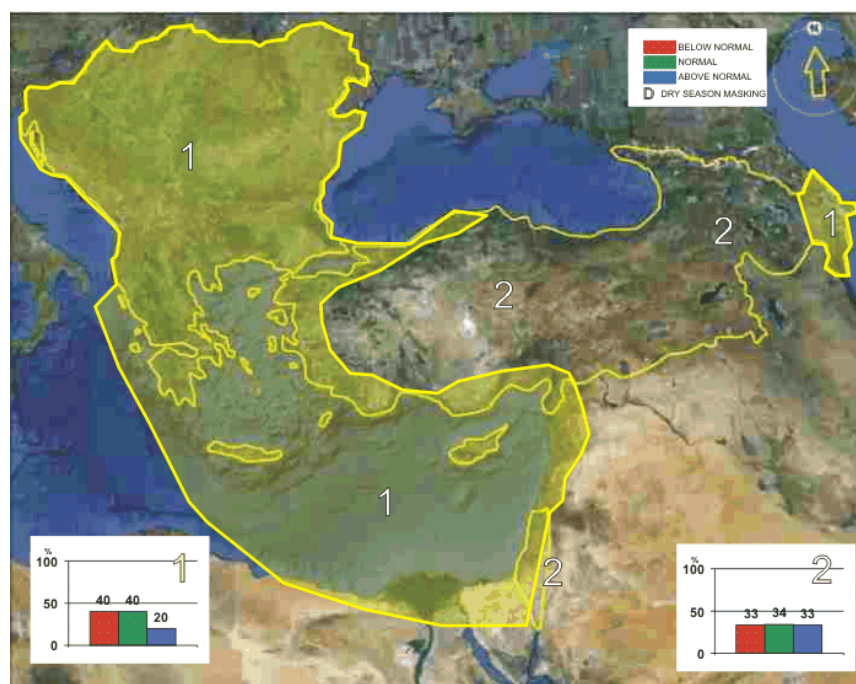


Figure 2. Graphical presentation 2013 summer precipitation outlook

### 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.